

**Record 1 of 288****Title:** Enhanced antimicrobial efficacy of biosynthesized silver nanoparticle based antibiotic conjugates**Author(s):** Thomas, R (Thomas, Roshmi); Jishma, P (Jishma, P.); Snigdha, S (Snigdha, S.); Soumya, KR (Soumya, K. R.); Mathew, J (Mathew, Jyothis); Radhakrishnan, EK (Radhakrishnan, E. K.)**Source:** INORGANIC CHEMISTRY COMMUNICATIONS **Volume:** 117 **Article Number:** 107978 **DOI:** 10.1016/j.inoche.2020.107978 **Published:** JUL 2020**Times Cited in Web of Science Core Collection:** 11**Total Times Cited:** 11**Accession Number:** WOS:000540714500030**Addresses:** [Thomas, Roshmi; Jishma, P.; Soumya, K. R.; Mathew, Jyothis; Radhakrishnan, E. K.] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.  
[Snigdha, S.] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, PD Hills PO, Kottayam 686560, Kerala, India.**Corresponding Address:** Radhakrishnan, EK (corresponding author), Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.**E-mail Addresses:** radhakrishnanek@mgu.ac.in**ISSN:** 1387-7003**eISSN:** 1879-0259**Record 2 of 288****Title:** An insight into the luminescent properties and Judd-Ofelt analysis of Eu<sup>3+</sup> doped CaZn<sub>2</sub>(PO<sub>4</sub>)<sub>2</sub> phosphors**Author(s):** Krishnapriya, T (Krishnapriya, T.); Jose, A (Jose, Adon); Jose, TA (Jose, Twinkle Anna); Sreeja, E (Sreeja, E.); Unnikrishnan, NV (Unnikrishnan, N. V.); Biju, PR (Biju, P. R.)**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 24 **Pages:** 22452-22466 **DOI:** 10.1007/s10854-020-04746-0 **Early Access Date:** NOV 2020 **Published:** DEC 2020**Times Cited in Web of Science Core Collection:** 15**Total Times Cited:** 15**Accession Number:** WOS:000585740700003**Addresses:** [Krishnapriya, T.; Jose, Adon; Jose, Twinkle Anna; Sreeja, E.; Unnikrishnan, N. V.; Biju, P. R.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam, Kerala, India.**Corresponding Address:** Biju, PR (corresponding author), Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam, Kerala, India.**E-mail Addresses:** prb.mgu@gmail.com**ISSN:** 0957-4522**eISSN:** 1573-482X**Record 3 of 288****Title:** Super-resolution Quality Criterion (SRQC): a super-resolution image quality assessment metric**Author(s):** Greeshma, MS (Greeshma, M. S.); Bindu, VR (Bindu, V. R.)**Source:** MULTIMEDIA TOOLS AND APPLICATIONS **Volume:** 79 **Issue:** 47-48 **Pages:** 35125-35146 **DOI:** 10.1007/s11042-020-09352-0 **Early Access Date:** AUG 2020 **Published:** DEC 2020**Times Cited in Web of Science Core Collection:** 3**Total Times Cited:** 4**Accession Number:** WOS:000554334100001**Addresses:** [Greeshma, M. S.; Bindu, V. R.] Mahatma Gandhi Univ, Sch Comp Sci, Kottayam 686560, Kerala, India.**Corresponding Address:** Greeshma, MS (corresponding author), Mahatma Gandhi Univ, Sch Comp Sci, Kottayam 686560, Kerala, India.**E-mail Addresses:** greeshmams.r@gmail.com; binduvr@mgu.ac.in**ISSN:** 1380-7501**eISSN:** 1573-7721**Record 4 of 288****Title:** An overview of boron nitride based polymer nanocomposites**Author(s):** Joy, J (Joy, Jomon); George, E (George, Elssa); Haritha, P (Haritha, Prakashan); Thomas, S (Thomas, Sabu); Anas, S (Anas, Saithalavi)

**Source:** JOURNAL OF POLYMER SCIENCE **Volume:** 58 **Issue:** 22 **Pages:** 3115-3141 **DOI:**

10.1002/pol.20200507 **Early Access Date:** SEP 2020 **Published:** NOV 15 2020

**Times Cited in Web of Science Core Collection:** 51

**Total Times Cited:** 51

**Accession Number:** WOS:000574482200001

**Addresses:** [Joy, Jomon; George, Elssa; Haritha, Prakashan; Thomas, Sabu; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

[Thomas, Sabu] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, Kottayam, Kerala, India.

[Anas, Saithalavi] Mahatma Gandhi Univ, Adv Mol Mat Res Ctr, Kottayam, Kerala, India.

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**E-mail Addresses:** anas@mgu.ac.in

**ISSN:** 2642-4150

**eISSN:** 2642-4169

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### Record 5 of 288

**Title:** Recent Advances in Microwave Assisted Multicomponent Reactions

**Author(s):** Fairoosa, J (Fairoosa, Jaleel); Saranya, S (Saranya, Salim); Radhika, S (Radhika, Sankaran); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 17 **Pages:** 5180-5197 **DOI:** 10.1002/slct.202000683 **Published:** MAY 8 2020

**Times Cited in Web of Science Core Collection:** 25

**Total Times Cited:** 25

**Accession Number:** WOS:000531602600022

**Addresses:** [Fairoosa, Jaleel; Saranya, Salim; Radhika, Sankaran; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 2365-6549

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### Record 6 of 288

**Title:** Terminalia bellirica (Gaertn.) Roxb fruit exerts anti-inflammatory effect via regulating arachidonic acid pathway and pro-inflammatory cytokines in lipopolysaccharide-induced RAW 264.7 macrophages

**Author(s):** Jayesh, K (Jayesh, Kuriakose); Karishma, R (Karishma, Raj); Vysakh, A (Vysakh, A.); Gopika, P (Gopika, Prasad); Latha, MS (Latha, M. S.)

**Source:** INFLAMMOPHARMACOLOGY **Volume:** 28 **Issue:** 1 **Pages:** 265-274 **DOI:** 10.1007/s10787-018-0513-x **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 12

**Accession Number:** WOS:000511960600018

**Addresses:** [Jayesh, Kuriakose; Karishma, Raj; Vysakh, A.; Gopika, Prasad; Latha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam, Kerala, India.

**Corresponding Address:** Latha, MS (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam, Kerala, India.

**E-mail Addresses:** mslathasbs@yahoo.com

**ISSN:** 0925-4692

**eISSN:** 1568-5608

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### Record 7 of 288

**Title:** Flower-like MoS<sub>2</sub>/BiFeO<sub>3</sub> doped silver orthophosphate catalyst for visible-light assisted treatment of refractory organic pollutants

**Author(s):** Abraham, T (Abraham, Thomas); Priyanka, RN (Priyanka, Ragam N.); Joseph, S (Joseph, Subi); Plathanam, NJ (Plathanam, Neena John); Gigimol, MG (Gigimol, M. G.); Mathew, B (Mathew, Beena)

**Source:** APPLIED MATERIALS TODAY **Volume:** 21 **Article Number:** 100845 **DOI:** 10.1016/j.apmt.2020.100845 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 16

**Accession Number:** WOS:000601317300008

**Addresses:** [Abraham, Thomas; Priyanka, Ragam N.; Joseph, Subi; Plathanam, Neena John; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

[Gigimol, M. G.] Mahatma Gandhi Univ, Res & Post Grad Dept Chem, St Thomas Coll, Pala 686574, Kerala, India.

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**ISSN:** 2352-9407

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### **Record 8 of 288**

**Title:** Nutraceutical applications of twenty-five species of rapid -growing green- microalgae as indicated by their antibacterial, antioxidant and mineral content

**Author(s):** Santhakumaran, P (Santhakumaran, Prasanthkumar); Ayyappan, SM (Ayyappan, Sunil Meppath); Ray, JG (Ray, Joseph George)

**Source:** ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS **Volume:** 47 **Article Number:** 101878 **DOI:** 10.1016/j.algal.2020.101878 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 27

**Total Times Cited:** 27

**Accession Number:** WOS:000540280800008

**Addresses:** [Santhakumaran, Prasanthkumar; Ray, Joseph George] Mahatma Gandhi Univ, Sch Biosci, Lab Plant Sci & Ecol, Kottayam 686560, Kerala, India.

[Ayyappan, Sunil Meppath] Mahatma Gandhi Univ, Sch Biosci, Lab Microbiol, Kottayam 686560, Kerala, India.

**Corresponding Address:** Ray, JG (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** jgray@mgu.ac.in

**ISSN:** 2211-9264

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### **Record 9 of 288**

**Title:** Concentration-Dependent Fluorescence and Judd-Ofelt Analysis of Trivalent-Praseodymium-Doped Alkali Fluoroborate Glass

**Author(s):** Aryapriya, N (Aryapriya, N.); Gopi, S (Gopi, Subash); Krishnapriya, T (Krishnapriya, T.); Jose, A (Jose, Adon); Saritha, AC (Saritha, A. C.); Unnikrishnan, NV (Unnikrishnan, N. V.); Joseph, C (Joseph, Cyriac); Biju, PR (Biju, P. R.)

**Source:** JOURNAL OF ELECTRONIC MATERIALS **Volume:** 49 **Issue:** 6 **Special Issue:** SI **Pages:** 3624-3633 **DOI:** 10.1007/s11664-020-08053-6 **Early Access Date:** MAR 2020 **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000520653200002

**Addresses:** [Aryapriya, N.; Gopi, Subash; Krishnapriya, T.; Jose, Adon; Saritha, A. C.; Unnikrishnan, N. V.; Joseph, Cyriac; Biju, P. R.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam, Kerala, India.

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**ISSN:** 0361-5235

**eISSN:** 1543-186X

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### **Record 10 of 288**

**Title:** Rhizobacterial biofilm and plant growth promoting trait enhancement by organic acids and sugars

**Author(s):** Panichikkal, J (Panichikkal, Jishma); Krishnankutty, RE (Edayileveetil Krishnankutty, Radhakrishnan)

**Source:** BIOFOULING **Volume:** 36 **Issue:** 8 **Pages:** 990-999 **DOI:** 10.1080/08927014.2020.1832219 **Early Access Date:** NOV 2020 **Published:** SEP 13 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 9

**Accession Number:** WOS:000585478700001

**Addresses:** [Panichikkal, Jishma; Edayileveetil Krishnankutty, Radhakrishnan] Mahatma Gandhi Univ, Sch Biosci, Kottayam, Kerala, India.

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**E-mail Addresses:** radhakrishnanek@mgu.ac.in

**ISSN:** 0892-7014

**eISSN:** 1029-2454

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### **Record 11 of 288**

**Title:** Exploring the efficacy of antagonistic rhizobacteria as native biocontrol agents against tomato plant diseases

**Author(s):** Karthika, S (Karthika, S.); Varghese, S (Varghese, Sherin); Jisha, MS (Jisha, M. S.)

**Source:** 3 BIOTECH **Volume:** 10 **Issue:** 7 **Article Number:** 320 **DOI:** 10.1007/s13205-020-02306-1 **Published:** JUN 27 2020

**Times Cited in Web of Science Core Collection:** 20

**Total Times Cited:** 21

**Accession Number:** WOS:000545980200001

**Addresses:** [Karthika, S.; Varghese, Sherin; Jisha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 2190-572X

**eISSN:** 2190-5738

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#### **Record 12 of 288**

**Title:** Host sensitized tunable luminescence of single phase white light emitting Ca<sub>2</sub>Sb<sub>2</sub>O<sub>7</sub>:Eu<sup>3+</sup> phosphors

**Author(s):** George, A (George, Anns); Gopi, S (Gopi, Subash); Sreeja, E (Sreeja, E.); Krishnapriya, T (Krishnapriya, T.); Saritha, AC (Saritha, A. C.); Joseph, C (Joseph, Cyriac); Unnikrishnan, NV (Unnikrishnan, N., V); Biju, PR (Biju, P. R.)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 1 **Special Issue:** SI **Pages:** 423-434 **DOI:** 10.1007/s10854-019-02545-w **Early Access Date:** NOV 2019 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 17

**Total Times Cited:** 17

**Accession Number:** WOS:000497429200008

**Addresses:** [George, Anns; Gopi, Subash; Sreeja, E.; Krishnapriya, T.; Saritha, A. C.; Joseph, Cyriac; Unnikrishnan, N., V; Biju, P. R.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** prb.mgu@gmail.com

**ISSN:** 0957-4522

**eISSN:** 1573-482X

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#### **Record 13 of 288**

**Title:** Green-synthesized Cu<sub>2</sub>O nanoaggregates incorporated on beta-cyclodextrin for catalytic reduction and electrochemical sensing

**Author(s):** George, JM (George, Jaise Mariya); Mathew, B (Mathew, Beena)

**Source:** JOURNAL OF THE IRANIAN CHEMICAL SOCIETY **Volume:** 17 **Issue:** 10 **Pages:** 2613-2626 **DOI:** 10.1007/s13738-020-01954-7 **Early Access Date:** JUN 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000539138700002

**Addresses:** [George, Jaise Mariya; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Mathew, B (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** beenamscs@gmail.com

**ISSN:** 1735-207X

**eISSN:** 1735-2428

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#### **Record 14 of 288**

**Title:** Downregulation of adipogenic genes in 3T3-L1 Pre adipocytes- a possible mechanism of anti-obesity activity of herbal decoction Varanadi Kashayam

**Author(s):** Chinchu, JU (Chinchu, J. U.); Mohan, MC (Mohan, Mohind C.); Kumar, BP (Kumar, Prakash B.)

**Source:** JOURNAL OF HERBAL MEDICINE **Volume:** 19 **Article Number:** 100309 **DOI:** 10.1016/j.hermed.2019.100309 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000522734800010

**Addresses:** [Chinchu, J. U.; Mohan, Mohind C.; Kumar, Prakash B.] Mahatma Gandhi Univ, Sch Biosci, Inflamm Res Lab, Priyadarshini Hills, Kottayam 686560, Kerala, India.

**Corresponding Address:** Kumar, BP (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam 686560, Kerala, India.

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**ISSN:** 2210-8033

**eISSN:** 2210-8041

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#### **Record 15 of 288**

**Title:** An Overview of the One-pot Synthesis of Imidazolines

**Author(s):** Aneeja, T (Aneeja, Thaipparambil); Radhika, S (Radhika, Sankaran); Neetha, M (Neetha, Mohan);

Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CURRENT ORGANIC CHEMISTRY **Volume:** 24 **Issue:** 20 **Pages:** 2341-2355 **DOI:** 10.2174/1385272824999201001153735 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000595799000002

**Addresses:** [Aneesa, Thaipparambil; Radhika, Sankaran; Neetha, Mohan; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1385-2728

**eISSN:** 1875-5348

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#### Record 16 of 288

**Title:** Induction of defence response in *Oryza sativa* L. against *Rhizoctonia solani* (Kuhn) by chitosan nanoparticles

**Author(s):** Divya, K (Divya, K.); Thampi, M (Thampi, Meenu); Vijayan, S (Vijayan, Smitha); Varghese, S (Varghese, Sherin); Jisha, MS (Jisha, M. S.)

**Source:** MICROBIAL PATHOGENESIS **Volume:** 149 **Article Number:** 104525 **DOI:** 10.1016/j.micpath.2020.104525 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 16

**Total Times Cited:** 16

**Accession Number:** WOS:000599711200007

**Addresses:** [Divya, K.; Thampi, Meenu; Vijayan, Smitha; Varghese, Sherin; Jisha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Kottayam, Kerala, India.

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**ISSN:** 0882-4010

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#### Record 17 of 288

**Title:** Intrinsic red luminescence of Eu<sup>3+</sup>-activated lanthanum molybdate: Insights into the spectroscopic features using Judd-Ofelt theoretical analysis

**Author(s):** Thomas, K (Thomas, Kukku); Alexander, D (Alexander, Dinu); Mani, KP (Mani, Kamal P.); Gopi, S (Gopi, Subash); Kumar, SA (Kumar, S. Ajeesh); Biju, PR (Biju, P. R.); Unnikrishnan, NV (Unnikrishnan, N. V.); Joseph, C (Joseph, Cyriac)

**Source:** JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS **Volume:** 137 **Article Number:** 109212 **DOI:** 10.1016/j.jpccs.2019.109212 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 17

**Total Times Cited:** 17

**Accession Number:** WOS:000503086700012

**Addresses:** [Thomas, Kukku; Alexander, Dinu; Mani, Kamal P.; Gopi, Subash; Kumar, S. Ajeesh; Biju, P. R.; Unnikrishnan, N. V.; Joseph, Cyriac] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

**Corresponding Address:** Joseph, C (corresponding author), Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

**E-mail Addresses:** cyriacmgu@gmail.com

**ISSN:** 0022-3697

**eISSN:** 1879-2553

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#### Record 18 of 288

**Title:** Nano layered ion imprinted polymer based electrochemical sensor and sorbent for Mn (II) ions from real samples

**Author(s):** Aravind, A (Aravind, Archana); Mathew, B (Mathew, Beena)

**Source:** JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY **Volume:** 57 **Issue:** 4 **Pages:** 256-265 **DOI:** 10.1080/10601325.2019.1691451 **Early Access Date:** NOV 2019 **Published:** APR 2 2020

**Times Cited in Web of Science Core Collection:** 12

**Total Times Cited:** 12

**Accession Number:** WOS:000498087100001

**Addresses:** [Aravind, Archana; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** beenamscs@gmail.com

**ISSN:** 1060-1325

**eISSN:** 1520-5738

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### **Record 19 of 288**

**Title:** Microwave assisted synthesis of five membered nitrogen heterocycles

**Author(s):** Meera, G (Meera, Gopinadh); Rohit, KR (Rohit, K. R.); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 59 **Pages:** 36031-36041 **DOI:** 10.1039/d0ra05150k **Published:** SEP 29 2020

**Times Cited in Web of Science Core Collection:** 27

**Total Times Cited:** 27

**Accession Number:** WOS:000574586100044

**Addresses:** [Meera, Gopinadh; Rohit, K. R.; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Inst Integrated Programmes & Res Basic Sci IIRBS, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**eISSN:** 2046-2069

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### **Record 20 of 288**

**Title:** Phonon sideband and Judd-Ofelt analyses of trivalent europium doped fluoroborosilicate glasses for red emitting device applications

**Author(s):** Jose, A (Jose, Adon); Mohan, PR (Remya Mohan, P.); Krishnapriya, T (Krishnapriya, T.); Jose, TA (Jose, Twinkle Anna); Saritha, AC (Saritha, A. C.); Unnikrishnan, NV (Unnikrishnan, N. V.); Joseph, C (Joseph, Cyriac); Biju, PR (Biju, P. R.)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 16 **Pages:** 13531-13540 **DOI:** 10.1007/s10854-020-03909-3 **Early Access Date:** JUL 2020 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 18

**Total Times Cited:** 18

**Accession Number:** WOS:000546863300011

**Addresses:** [Jose, Adon; Remya Mohan, P.; Krishnapriya, T.; Jose, Twinkle Anna; Saritha, A. C.; Unnikrishnan, N. V.; Joseph, Cyriac; Biju, P. R.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam, Kerala, India.

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**E-mail Addresses:** prb.mgu@gmail.com

**ISSN:** 0957-4522

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### **Record 21 of 288**

**Title:** Rapid sunlight-driven mineralisation of dyes and fungicide in water by novel sulphur-doped graphene oxide/Ag<sub>3</sub>VO<sub>4</sub> nanocomposite

**Author(s):** Priyanka, RN (Priyanka, Ragam N.); Joseph, S (Joseph, Subi); Abraham, T (Abraham, Thomas); Plathanam, NJ (Plathanam, Neena J.); Mathew, B (Mathew, Beena)

**Source:** ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 27 **Issue:** 9 **Special Issue:** SI **Pages:** 9604-9618 **DOI:** 10.1007/s11356-019-07569-7 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 16

**Total Times Cited:** 16

**Accession Number:** WOS:000524949600065

**Addresses:** [Priyanka, Ragam N.; Joseph, Subi; Abraham, Thomas; Plathanam, Neena J.; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0944-1344

**eISSN:** 1614-7499

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**Record 22 of 288**

**Title:** Rotula aquatica Lour. inhibits growth and biofilm formation of clinically isolated uropathogenic Escherichia coli

**Author(s):** Vysakh, A (Vysakh, A.); Midhun, SJ (Midhun, Sebastian Jose); Jisha, N (Jisha, Ninan); Jayesh, K (Jayesh, Kuriakose); Vijeesh, V (Vijeesh, V.); Jyothis, M (Jyothis, Mathew); Latha, MS (Latha, M. S.)

**Source:** ASIAN PACIFIC JOURNAL OF TROPICAL BIOMEDICINE **Volume:** 10 **Issue:** 12 **Pages:** 547-554 **DOI:** 10.4103/2221-1691.297054 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000585311200004

**Addresses:** [Vysakh, A.; Midhun, Sebastian Jose; Jisha, Ninan; Jayesh, Kuriakose; Vijeesh, V.; Jyothis, Mathew; Latha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam, Kerala, India.

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**ISSN:** 2221-1691

**eISSN:** 2588-9222

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**Record 23 of 288**

**Title:** An overview of palladium-catalyzed synthesis of seven-membered heterocycles

**Author(s):** Saranya, PV (Saranya, Padinjare Veetil); Neetha, M (Neetha, Mohan); Radhika, S (Radhika, Sankaran); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 58 **Issue:** 3 **Pages:** 673-684 **DOI:** 10.1002/jhet.4182 **Early Access Date:** NOV 2020 **Published:** MAR 2021

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000590606500001

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**ISSN:** 0022-152X

**eISSN:** 1943-5193

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**Record 24 of 288**

**Title:** Studies on the Complexation of 3d Transition Metal Ions with NR/PEO Block Copolymer in Aqueous Medium

**Author(s):** Mrudula, MS (Mrudula, Mundanayil Sasidharan); Nair, MRPG (Nair, Mazhuvadyil Ramakrishna Pillai Gopinathan)

**Source:** POLYMER ENGINEERING AND SCIENCE **Volume:** 60 **Issue:** 4 **Pages:** 661-663 **DOI:** 10.1002/pen.25324 **Published:** APR 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000523123700001

**Addresses:** [Mrudula, Mundanayil Sasidharan; Nair, Mazhuvadyil Ramakrishna Pillai Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Nair, MRPG (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** mrg.nair@rediffmail.com

**ISSN:** 0032-3888

**eISSN:** 1548-2634

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**Record 25 of 288**

**Title:** Applications of tert-butanesulfinamide in the synthesis of N-heterocycles via sulfinimines

**Author(s):** Philip, RM (Philip, Rose Mary); Radhika, S (Radhika, Sankaran); Saranya, PV (Saranya, P. V.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 69 **Pages:** 42441-42456 **DOI:** 10.1039/d0ra08819f **Published:** NOV 22 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000592897600052

**Addresses:** [Philip, Rose Mary; Radhika, Sankaran; Saranya, P. V.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**eISSN:** 2046-2069

---

### Record 26 of 288

**Title:** Investigation of Iron Oxide-Based Ionanofluids and Ionic Liquids by Ultrasonic Sound Velocity Method

**Author(s):** Joseph, A (Joseph, Aswathy); Nair, PR (Radhakrishnan Nair, Pankajakshan); Mathew, S (Mathew, Suresh)

**Source:** INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 41 **Issue:** 12 **Article Number:** 168 **DOI:** 10.1007/s10765-020-02748-y **Published:** OCT 19 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000583172500001

**Addresses:** [Joseph, Aswathy; Mathew, Suresh] Mahatma Gandhi Univ, Sch Chem Sci SCS, Kottayam 686560, Kerala, India.

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**ISSN:** 0195-928X

**eISSN:** 1572-9567

---

### Record 27 of 288

**Title:** An Overview of Ag-catalyzed Synthesis of Six-membered Heterocycles

**Author(s):** Neetha, M (Neetha, Mohan); Aneeja, T (Aneeja, Thaipparambil); Afsina, CMA (Afsina, C. M. A.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMCATCHEM **Volume:** 12 **Issue:** 21 **Pages:** 5330-5358 **DOI:** 10.1002/cctc.202000719 **Early Access Date:** SEP 2020 **Published:** NOV 5 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000565400600001

**Addresses:** [Neetha, Mohan; Aneeja, Thaipparambil; Afsina, C. M. A.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Inst Integrated Programmes & Res Basic Sci IIRBS, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1867-3880

**eISSN:** 1867-3899

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### Record 28 of 288

**Title:** Photocatalytic synthesis of 2-amino-4,6-diarylpyrimidines using nanoTiO<sub>2</sub>

**Author(s):** Aparna, EP (Aparna, E. P.); Mathew, D (Mathew, Divya); Thomas, A (Thomas, Ashly); Rakesh, N (Rakesh, N.); Devaky, KS (Devaky, K. S.)

**Source:** JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY **Volume:** 399 **Article Number:** 112648 **DOI:** 10.1016/j.jphotochem.2020.112648 **Published:** AUG 1 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000540372600011



**Addresses:** [Aparna, E. P.; Mathew, Divya; Thomas, Ashly; Rakesh, N.; Devaky, K. S.] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.

**Corresponding Address:** Devaky, KS (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 1010-6030

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### Record 29 of 288

**Title:** Plant Beneficial Features and Application of Paraburkholderia sp. NhPBG1 Isolated from Pitcher of Nepenthes hamblack

**Author(s):** Ravi, A (Ravi, Aswani); Theresa, M (Theresa, Mary); Nandayipurath, VVT (Nandayipurath, Vipina Vinod Thazhe); Rajan, S (Rajan, Sukanya); Khalid, NK (Khalid, Nejumal Kannankeril); Thankappanpillai, AC (Thankappanpillai, Aravindakumar Charuvilaputhenveedu); Krishnankutty, RE (Krishnankutty, Radhakrishnan Edayileveetil)

**Source:** PROBIOTICS AND ANTIMICROBIAL PROTEINS **Volume:** 13 **Issue:** 1 **Pages:** 32-39 **DOI:** 10.1007/s12602-020-09665-4 **Early Access Date:** JUN 2020 **Published:** FEB 2021

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000540686600001

**Addresses:** [Ravi, Aswani; Theresa, Mary; Nandayipurath, Vipina Vinod Thazhe; Rajan, Sukanya; Krishnankutty, Radhakrishnan Edayileveetil] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India. [Khalid, Nejumal Kannankeril; Thankappanpillai, Aravindakumar Charuvilaputhenveedu] Mahatma Gandhi Univ, Sch Environm Sci, PD Hills PO, Kottayam 686560, Kerala, India. [Thankappanpillai, Aravindakumar Charuvilaputhenveedu] Mahatma Gandhi Univ, Inter Univ Instrumentat Ctr, Kottayam 686560, Kerala, India.

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**ISSN:** 1867-1306

**eISSN:** 1867-1314

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### Record 30 of 288

**Title:** An Overview of Microwave-Assisted Kabachnik-Fields Reactions

**Author(s):** Shilpa, T (Shilpa, Thomas); Harry, NA (Ann Harry, Nissy); Ujwaldev, SM (Ujwaldev, Sankuviruthiyil M.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 15 **Pages:** 4422-4436 **DOI:** 10.1002/slct.202000693 **Published:** APR 23 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000528045700003

**Addresses:** [Shilpa, Thomas; Ann Harry, Nissy; Ujwaldev, Sankuviruthiyil M.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 2365-6549

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### Record 31 of 288

**Title:** Unmodified silver nanoparticles for dual detection of dithiocarbamate fungicide and rapid degradation of water pollutants

**Author(s):** Ragam, PN (Ragam, P. N.); Mathew, B (Mathew, B.)

**Source:** INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY **Volume:** 17 **Issue:** 3 **Pages:** 1739-1752 **DOI:** 10.1007/s13762-019-02454-9 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 17

**Total Times Cited:** 17

**Accession Number:** WOS:000520095200040

**Addresses:** [Ragam, P. N.; Mathew, B.] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Mathew, B (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** beenamscs@gmail.com

**ISSN:** 1735-1472

**eISSN:** 1735-2630

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**Record 32 of 288****Title:** Recent advances and prospects in the metal-free synthesis of quinolines**Author(s):** Harry, NA (Harry, Nissy Ann); Ujwaldev, SM (Ujwaldev, Sankuviruthiyil M.); Anilkumar, G (Anilkumar, Gopinathan)**Source:** ORGANIC & BIOMOLECULAR CHEMISTRY **Volume:** 18 **Issue:** 48 **Pages:** 9775-9790 **DOI:** 10.1039/d0ob02000a **Published:** DEC 28 2020**Times Cited in Web of Science Core Collection:** 25**Total Times Cited:** 25**Accession Number:** WOS:000602194500003**Addresses:** [Harry, Nissy Ann; Ujwaldev, Sankuviruthiyil M.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

[Anilkumar, Gopinathan] Mahatma Gandhi Univ, Adv Mol Mat Res Ctr AMMRC, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Adv Mol Mat Res Ctr AMMRC, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Inst Integrated Programmes &amp; Res Basic Sci IIRBS, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com**ISSN:** 1477-0520**eISSN:** 1477-0539**Record 33 of 288****Title:** Bimetallic Ag-Au nanoparticles as pH dependent dual sensing probe for Mn (II) ion and ciprofloxacin**Author(s):** George, JM (George, Jaise Mariya); Priyanka, RN (Priyanka, Ragam N.); Mathew, B (Mathew, Beena)**Source:** MICROCHEMICAL JOURNAL **Volume:** 155 **Article Number:** 104686 **DOI:** 10.1016/j.microc.2020.104686 **Published:** JUN 2020**Times Cited in Web of Science Core Collection:** 17**Total Times Cited:** 18**Accession Number:** WOS:000527371500030**Addresses:** [George, Jaise Mariya; Priyanka, Ragam N.; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.**Corresponding Address:** Mathew, B (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.**E-mail Addresses:** jaisemariya@gmail.com; priyankarn.scs@gmail.com; beenamsocs@gmail.com**ISSN:** 0026-265X**eISSN:** 1095-9149**Record 34 of 288****Title:** Casein mediated synthesis of stabilized metal/metal-oxide nanoparticles with varied surface morphology through pH alteration**Author(s):** Rakhimol, KR (Rakhimol, K. R.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Jayachandran, K (Jayachandran, K.)**Source:** MATERIALS CHEMISTRY AND PHYSICS **Volume:** 246 **Article Number:** 122803 **DOI:** 10.1016/j.matchemphys.2020.122803 **Published:** MAY 1 2020**Times Cited in Web of Science Core Collection:** 5**Total Times Cited:** 6**Accession Number:** WOS:000525781100017**Addresses:** [Rakhimol, K. R.; Thomas, Sabu; Kalarikkal, Nandakumar] Mahatma Gandhi Univ, IIUCNN, Kottayam 686560, Kerala, India.

[Jayachandran, K.] Mahatma Gandhi Univ, Sch Biosci SBS, Kottayam 686560, Kerala, India.

**Corresponding Address:** Jayachandran, K (corresponding author), Mahatma Gandhi Univ, Sch Biosci SBS, Kottayam 686560, Kerala, India.**E-mail Addresses:** jayachandrak@mgu.ac.in**ISSN:** 0254-0584**eISSN:** 1879-3312**Record 35 of 288****Title:** In vitro anticancer evaluation of chitosan/biogenic silver nanoparticle conjugate on Si Ha and MDA MB cell lines**Author(s):** Vijayan, S (Vijayan, Smitha); Divya, K (Divya, K.); Jisha, MS (Jisha, M. S.)**Source:** APPLIED NANOSCIENCE **Volume:** 10 **Issue:** 3 **Pages:** 715-728 **DOI:** 10.1007/s13204-019-01151-

w **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000516636200007

**Addresses:** [Vijayan, Smitha; Divya, K.; Jisha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Kottayam, Kerala, India.

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**ISSN:** 2190-5509

**eISSN:** 2190-5517

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### **Record 36 of 288**

**Title:** Novel blue emitting Tm<sup>3+</sup> activated lanthanum molybdate: Investigations on luminescence behaviour and Judd-Ofelt theoretical analysis

**Author(s):** Thomas, K (Thomas, Kukku); Alexander, D (Alexander, Dinu); Jacob, LA (Jacob, Linju Ann); Biju, PR (Biju, P. R.); Unnikrishnan, NV (Unnikrishnan, N., V); Joseph, C (Joseph, Cyriac)

**Source:** OPTICAL MATERIALS **Volume:** 100 **Article Number:** 109623 **DOI:** 10.1016/j.optmat.2019.109623 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000521515700052

**Addresses:** [Thomas, Kukku; Alexander, Dinu; Jacob, Linju Ann; Biju, P. R.; Unnikrishnan, N., V; Joseph, Cyriac] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**ISSN:** 0925-3467

**eISSN:** 1873-1252

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### **Record 37 of 288**

**Title:** Progress and prospects in copper-catalyzed C-H functionalization

**Author(s):** Aneesa, T (Aneesa, Thaipparambil); Neetha, M (Neetha, Mohan); Afsina, CMA (Afsina, C. M. A.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 57 **Pages:** 34429-34458 **DOI:** 10.1039/d0ra06518h **Published:** SEP 20 2020

**Times Cited in Web of Science Core Collection:** 29

**Total Times Cited:** 29

**Accession Number:** WOS:000572299600013

**Addresses:** [Aneesa, Thaipparambil; Neetha, Mohan; Afsina, C. M. A.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**eISSN:** 2046-2069

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### **Record 38 of 288**

**Title:** Zinc-Catalysed Multi-Component Reactions: An Overview

**Author(s):** Neetha, M (Neetha, Mohan); Rohit, KR (Rohit, K. R.); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 3 **Pages:** 1054-1070 **DOI:** 10.1002/slct.201904146 **Published:** JAN 23 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 13

**Accession Number:** WOS:000508983400019

**Addresses:** [Neetha, Mohan; Rohit, K. R.; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 2365-6549

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#### **Record 39 of 288**

**Title:** NET-associated citrullinated histones promote LDL aggregation and foam cell formation in vitro

**Author(s):** Haritha, VH (Haritha, V. H.); George, A (George, Anjana); Shaji, BV (Shaji, Binchu, V); Anie, Y (Anie, Y.)

**Source:** EXPERIMENTAL CELL RESEARCH **Volume:** 396 **Issue:** 2 **Article Number:** 112320 **DOI:** 10.1016/j.yexcr.2020.112320 **Published:** NOV 15 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000589411600016

**Addresses:** [Haritha, V. H.; George, Anjana; Shaji, Binchu, V; Anie, Y.] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 0014-4827

**eISSN:** 1090-2422

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#### **Record 40 of 288**

**Title:** Ethyl acetate fraction of *Muntingia calabura* L. exerts anti-colorectal cancer potential via regulating apoptotic and inflammatory pathways

**Author(s):** Jisha, N (Jisha, Ninan); Vysakh, A (Vysakh, A.); Vijeesh, V (Vijeesh, V.); Latha, MS (Latha, M. S.)

**Source:** JOURNAL OF ETHNOPHARMACOLOGY **Volume:** 261 **Article Number:** 113064 **DOI:** 10.1016/j.jep.2020.113064 **Published:** OCT 28 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000566339500005

**Addresses:** [Jisha, Ninan; Vysakh, A.; Vijeesh, V.; Latha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam, Kerala, India.

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**E-mail Addresses:** mslathasbs@gmail.com

**ISSN:** 0378-8741

**eISSN:** 1872-7573

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#### **Record 41 of 288**

**Title:** Hepatic Toxicity in *Etroplus suratensis* (Bloch 1790): An Economically Important Edible Fish in Vembanad Fresh Water Lake, Kerala, India

**Author(s):** Pettamanna, A (Pettamanna, Arathi); Raghav, D (Raghav, Divya); Nair, RH (Nair, Raveendran Harikumar)

**Source:** BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY **Volume:** 105 **Issue:** 4 **Pages:** 565-571 **DOI:** 10.1007/s00128-020-02987-7 **Early Access Date:** SEP 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 3

**Accession Number:** WOS:000568636700001

**Addresses:** [Pettamanna, Arathi; Raghav, Divya; Nair, Raveendran Harikumar] Mahatma Gandhi Univ, Sch Biosci, Physiol Res Lab, Kottayam 686560, Kerala, India.

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**ISSN:** 0007-4861

**eISSN:** 1432-0800

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#### **Record 42 of 288**

**Title:** 4-4 ' Diaponeurosporenic Acid, the C-30 Carotenoid Pigment in Endophytic *Pseudomonas Mendocina* with Squalene Cyclase Activity

**Author(s):** Nair, IM (Nair, Indu M.); Jayachandran, K (Jayachandran, K.)

**Source:** CURRENT MICROBIOLOGY **Volume:** 77 **Issue:** 11 **Pages:** 3473-3479 **DOI:** 10.1007/s00284-020-02180-3 **Early Access Date:** SEP 2020 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000566889300002

**Addresses:** [Nair, Indu M.; Jayachandran, K.] Mahatma Gandhi Univ Kottayam, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 0343-8651

**eISSN:** 1432-0991

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#### **Record 43 of 288**

**Title:** Modulation of agriculturally useful rhamnolipid profile of *Pseudomonas* K6 due to the supplementation with chitosan and gold nanoparticles

**Author(s):** Jishma, P (Jishma, P.); Radhakrishnan, EK (Radhakrishnan, E. K.)

**Source:** WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY **Volume:** 36 **Issue:** 10 **Article Number:** 146 **DOI:** 10.1007/s11274-020-02920-4 **Published:** SEP 3 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000565766600001

**Addresses:** [Jishma, P.; Radhakrishnan, E. K.] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 0959-3993

**eISSN:** 1573-0972

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#### **Record 44 of 288**

**Title:** Manganese-Catalysed Dehydrogenative Coupling - An Overview

**Author(s):** Rohit, KR (Rohit, K. R.); Radhika, S (Radhika, Sankaran); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** ADVANCED SYNTHESIS & CATALYSIS **Volume:** 362 **Issue:** 8 **Pages:** 1602-1650 **DOI:** 10.1002/adsc.201901389 **Published:** APR 17 2020

**Times Cited in Web of Science Core Collection:** 48

**Total Times Cited:** 48

**Accession Number:** WOS:000526099000003

**Addresses:** [Rohit, K. R.; Radhika, Sankaran; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1615-4150

**eISSN:** 1615-4169

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#### **Record 45 of 288**

**Title:** Recent Advances and Perspectives in the Copper-Catalysed Amination of Aryl and Heteroaryl Halides

**Author(s):** Neetha, M (Neetha, Mohan); Saranya, S (Saranya, Salim); Harry, NA (Harry, Nissy Ann); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 2 **Pages:** 736-753 **DOI:** 10.1002/slct.201904436 **Published:** JAN 16 2020

**Times Cited in Web of Science Core Collection:** 25

**Total Times Cited:** 29

**Accession Number:** WOS:000507660100041

**Addresses:** [Neetha, Mohan; Saranya, Salim; Harry, Nissy Ann; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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Kerala, India.

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**ISSN:** 2365-6549

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### Record 46 of 288

**Title:** In Vitro Enzymatic Conversion of Glibenclamide Using Squalene Hopene Cyclase from *Pseudomonas mendocina* Expressed in *E. coli* BL21 (DE3)

**Author(s):** Nair, IM (Nair, Indu M.); Jayachandran, K (Jayachandran, Kochupurackal)

**Source:** MOLECULAR BIOTECHNOLOGY **Volume:** 62 **Issue:** 9 **Pages:** 456-465 **DOI:** 10.1007/s12033-020-00264-w **Early Access Date:** AUG 2020 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000556160200001

**Addresses:** [Nair, Indu M.; Jayachandran, Kochupurackal] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Jayachandran, K (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** indoo.nair@gmail.com; jayachandrank@mgu.ac.in

**ISSN:** 1073-6085

**eISSN:** 1559-0305

---

### Record 47 of 288

**Title:** A potential antifungal and growth-promoting bacterium *Bacillus* sp. KTMA4 from tomato rhizosphere

**Author(s):** Karthika, S (Karthika, S.); Midhun, SJ (Midhun, Sebastian Jose); Jisha, MS (Jisha, M. S.)

**Source:** MICROBIAL PATHOGENESIS **Volume:** 142 **Article Number:** 104049 **DOI:** 10.1016/j.micpath.2020.104049 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 22

**Total Times Cited:** 23

**Accession Number:** WOS:000530650200010

**Addresses:** [Karthika, S.; Midhun, Sebastian Jose; Jisha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 0882-4010

**eISSN:** 1096-1208

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### Record 48 of 288

**Title:** An Overview of Rhodium-Catalysed Multi-Component Reactions

**Author(s):** Shilpa, T (Shilpa, Thomas); Dhanya, R (Dhanya, Raju); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 2 **Pages:** 898-915 **DOI:** 10.1002/slct.201904441 **Published:** JAN 16 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000507660100060

**Addresses:** [Shilpa, Thomas; Dhanya, Raju; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 2365-6549

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### Record 49 of 288

**Title:** Effect of zinc oxide nanoparticle supplementation on the enhanced production of surfactin and iturin lipopeptides of endophytic *Bacillus* sp. Fcl1 and its ameliorated antifungal activity

**Author(s):** Ravi, A (Ravi, Aswani); Nandayipurath, VVT (Nandayipurath, Vipina Vinod Thazhe); Rajan, S (Rajan, Sukanya); Salim, SA (Salim, Simi Asma); Khalid, NK (Khalid, Nejumal Kannankeril); Aravindakumar, CT (Aravindakumar, Charuvila T.); Krishnankutty, RE (Krishnankutty, Radhakrishnan Edayileveettil)

**Source:** PEST MANAGEMENT SCIENCE **Volume:** 77 **Issue:** 2 **Pages:** 1035-1041 **DOI:** 10.1002/ps.6118 **Early**

**Access Date:** OCT 2020 **Published:** FEB 2021

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 10

**Accession Number:** WOS:000582970600001

**Addresses:** [Ravi, Aswani; Nandayipurath, Vipina Vinod Thazhe; Rajan, Sukanya; Salim, Simi Asma; Krishnankutty, Radhakrishnan Edayileveetttil] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 1526-498X

**eISSN:** 1526-4998

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### Record 50 of 288

**Title:** Characterization of biosurfactant produced by the endophyte Burkholderia sp. WYAT7 and evaluation of its antibacterial and antibiofilm potentials

**Author(s):** Ashitha, A (Ashitha, A.); Radhakrishnan, EK (Radhakrishnan, E. K.); Mathew, J (Mathew, Jyothis)

**Source:** JOURNAL OF BIOTECHNOLOGY **Volume:** 313 **Pages:** 1-10 **DOI:**

10.1016/j.jbiotec.2020.03.005 **Published:** APR 10 2020

**Times Cited in Web of Science Core Collection:** 27

**Total Times Cited:** 28

**Accession Number:** WOS:000522793800001

**Addresses:** [Ashitha, A.; Radhakrishnan, E. K.; Mathew, Jyothis] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** prof.dr.jyothismathew@gmail.com

**ISSN:** 0168-1656

**eISSN:** 1873-4863

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### Record 51 of 288

**Title:** Effect of filler loading on polymer chain confinement and thermomechanical properties of epoxy/boron nitride (h-BN) nanocomposites

**Author(s):** Joy, J (Joy, Jomon); George, E (George, Elssa); Thomas, S (Thomas, Sabu); Anas, S (Anas, Saithalavi)

**Source:** NEW JOURNAL OF CHEMISTRY **Volume:** 44 **Issue:** 11 **Pages:** 4494-4503 **DOI:**

10.1039/c9nj05834f **Published:** MAR 21 2020

**Times Cited in Web of Science Core Collection:** 57

**Total Times Cited:** 58

**Accession Number:** WOS:000521102000029

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**ISSN:** 1144-0546

**eISSN:** 1369-9261

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### Record 52 of 288

**Title:** Phytoplankton communities of eutrophic freshwater bodies (Kerala, India) in relation to the physicochemical water quality parameters

**Author(s):** Ray, JG (Ray, Joseph George); Santhakumaran, P (Santhakumaran, Prasantkumar); Kookal, S (Kookal, Santhoshkumar)

**Source:** ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY **Volume:** 23 **Issue:** 1 **Pages:** 259-290 **DOI:**

10.1007/s10668-019-00579-y **Early Access Date:** JAN 2020 **Published:** JAN 2021

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 12

**Accession Number:** WOS:000574108000002

**Addresses:** [Ray, Joseph George] Mahatma Gandhi Univ, Sch Biosci, Kottayam, Kerala, India.

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**E-mail Addresses:** jgray@mgu.ac.in

**ISSN:** 1387-585X

**eISSN:** 1573-2975

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### Record 53 of 288

**Title:** BaTiO<sub>3</sub>/ZnO heterostructured photocatalyst with improved efficiency in dye degradation

**Author(s):** Kappadan, S (Kappadan, Shabina); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** MATERIALS CHEMISTRY AND PHYSICS **Volume:** 255 **Article Number:** 123583 **DOI:**

10.1016/j.matchemphys.2020.123583 **Published:** NOV 15 2020

**Times Cited in Web of Science Core Collection:** 30

**Total Times Cited:** 30

**Accession Number:** WOS:000574887100008

**Addresses:** [Kappadan, Shabina; Thomas, Sabu; Kalarikkal, Nandakumar] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, Kottayam 686560, Kerala, India.

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**ISSN:** 0254-0584

**eISSN:** 1879-3312

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### Record 54 of 288

**Title:** Palladium Catalyzed Annulation of Morita-Baylis-Hillman Adducts: Synthesis of Indene and Indanone Derivatives

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Saranya, TV (Saranya, Thachora Venu); Anas, S (Anas, Saithalavi)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 5 **Pages:** 1648-1654 **DOI:** 10.1002/slct.201903515 **Published:**

FEB 7 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000526179200006

**Addresses:** [Sruthi, Pambingal Rajan; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 2365-6549

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### Record 55 of 288

**Title:** In Silico Screening for Anti-inflammatory Bioactive Molecules from Ayurvedic Decoction, Balaguluchyadi kashayam

**Author(s):** Devi, SJR (Devi, Rahitha S. J.); Kumar, BP (Kumar, Prakash B.)

**Source:** CURRENT COMPUTER-AIDED DRUG DESIGN **Volume:** 16 **Issue:** 4 **Pages:** 435-450 **DOI:**

10.2174/1573409915666191015113753 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000565916700006

**Addresses:** [Devi, Rahitha S. J.; Kumar, Prakash B.] Mahatma Gandhi Univ, Sch Biosci, Inflamm Res Lab, Priyadarshini Hills, Kottayam 686560, Kerala, India.

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**ISSN:** 1573-4099

**eISSN:** 1875-6697

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### Record 56 of 288



**Title:** In-situ fabrication of Ag<sub>3</sub>PO<sub>4</sub> based binary composite for the efficient electrochemical sensing of tetracycline  
**Author(s):** Abraham, T (Abraham, Thomas); Gigimol, MG (Gigimol, M. G.); Priyanka, RN (Priyanka, Ragam N.); Punnoose, MS (Punnoose, Mamatha Susan); Korah, BK (Korah, Binila K.); Mathew, B (Mathew, Beena)  
**Source:** MATERIALS LETTERS **Volume:** 279 **Article Number:** 128502 **DOI:** 10.1016/j.matlet.2020.128502 **Published:** NOV 15 2020  
**Times Cited in Web of Science Core Collection:** 8  
**Total Times Cited:** 8  
**Accession Number:** WOS:000576754100023  
**Addresses:** [Abraham, Thomas; Priyanka, Ragam N.; Punnoose, Mamatha Susan; Korah, Binila K.; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.  
[Gigimol, M. G.] Mahatma Gandhi Univ, St Thomas Coll, Dept Chem, Res & Post Grad Dept Chem, Pala 686574, Kerala, India.  
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**E-mail Addresses:** beenamathew@mgu.ac.in  
**ISSN:** 0167-577X  
**eISSN:** 1873-4979

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#### Record 57 of 288

**Title:** Restoring degraded riparian forest ecosystems of the Western Ghats for ecological sustainability  
**Author(s):** Mohan, M (Mohan, Mahesh); Saritha, VNK (Saritha, Vadakke Neelamana K.); Rameshan, M (Rameshan, Mutharimettak); Chacko, A (Chacko, Ashly); Gopikrishna, VG (Gopikrishna, Velamparambil G.)  
**Source:** RESTORATION ECOLOGY **Volume:** 29 **Issue:** 4 **DOI:** 10.1111/rec.13254 **Early Access Date:** OCT 2020  
**Published:** MAY 2021  
**Times Cited in Web of Science Core Collection:** 1  
**Total Times Cited:** 1  
**Accession Number:** WOS:000579530500001  
**Addresses:** [Mohan, Mahesh; Saritha, Vadakke Neelamana K.; Rameshan, Mutharimettak; Chacko, Ashly; Gopikrishna, Velamparambil G.] Mahatma Gandhi Univ, Sch Environm Sci, Kottayam 686560, Kerala, India.  
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**E-mail Addresses:** maheshmohan@mgu.ac.in  
**ISSN:** 1061-2971  
**eISSN:** 1526-100X

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#### Record 58 of 288

**Title:** Antibacterial Potential and Apoptosis Induction by Pigments from the Endophyte Burkholderia sp. WYAT7  
**Author(s):** Ashitha, A (Ashitha, A.); Radhakrishnan, EK (Radhakrishnan, E. K.); Mathew, J (Mathew, Jyothis)  
**Source:** CURRENT MICROBIOLOGY **Volume:** 77 **Issue:** 9 **Pages:** 2475-2485 **DOI:** 10.1007/s00284-020-02013-3 **Early Access Date:** MAY 2020 **Published:** SEP 2020  
**Times Cited in Web of Science Core Collection:** 7  
**Total Times Cited:** 7  
**Accession Number:** WOS:000531203700001  
**Addresses:** [Ashitha, A.; Radhakrishnan, E. K.; Mathew, Jyothis] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.  
**Corresponding Address:** Mathew, J (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.  
**E-mail Addresses:** prof.dr.jyothismathew@gmail.com  
**ISSN:** 0343-8651  
**eISSN:** 1432-0991

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#### Record 59 of 288

**Title:** Algal associates and the evidence of cyanobacterial nitrogen fixation in the velamen roots of epiphytic orchids  
**Author(s):** Deepthi, AS (Deepthi, Azhanthanilkunnathil Sankunny); Ray, JG (Ray, Joseph George)  
**Source:** GLOBAL ECOLOGY AND CONSERVATION **Volume:** 22 **Article Number:** e00946 **DOI:** 10.1016/j.gecco.2020.e00946 **Published:** JUN 2020  
**Times Cited in Web of Science Core Collection:** 6  
**Total Times Cited:** 7  
**Accession Number:** WOS:000575093200027  
**Addresses:** [Deepthi, Azhanthanilkunnathil Sankunny] Mahatma Gandhi Univ, Sch Biosci, Lab Plant Sci & Ecol, Kottayam 686560, Kerala, India.  
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Kerala, India.

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**eISSN:** 2351-9894

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### Record 60 of 288

**Title:** Enhancement of rhamnetin production in *Vernonia anthelmintica* (L.) Willd. cell suspension cultures by eliciting with methyl jasmonate and salicylic acid

**Author(s):** Rajan, M (Rajan, Maya); Feba, KS (Feba, K. S.); Chandran, V (Chandran, Vinaya); Shahena, S (Shahena, S.); Mathew, L (Mathew, Linu)

**Source:** PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS **Volume:** 26 **Issue:** 7 **Pages:** 1531-1539 **DOI:** 10.1007/s12298-020-00829-8 **Early Access Date:** MAY 2020 **Published:** JUL 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 13

**Accession Number:** WOS:000535848400001

**Addresses:** [Rajan, Maya; Feba, K. S.; Chandran, Vinaya; Shahena, S.; Mathew, Linu] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 0971-5894

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### Record 61 of 288

**Title:** One-way thermo-responsive shape memory polymer nanocomposite derived from polycaprolactone and polystyrene-block-polybutadiene-block- polystyrene packed with carbon nanofiber

**Author(s):** Gopinath, S (Gopinath, Sithara); Adarsh, NN (Adarsh, N. N.); Nair, PR (Nair, P. Radhakrishnan); Mathew, S (Mathew, Suresh)

**Source:** MATERIALS TODAY COMMUNICATIONS **Volume:** 22 **Article Number:** 100802 **DOI:** 10.1016/j.mtcomm.2019.100802 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 25

**Total Times Cited:** 26

**Accession Number:** WOS:000539239800009

**Addresses:** [Gopinath, Sithara; Nair, P. Radhakrishnan; Mathew, Suresh] Mahatma Gandhi Univ, Adv Mol Mat Res Ctr AMMRC, Kottayam 686560, Kerala, India.

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**eISSN:** 2352-4928

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### Record 62 of 288

**Title:** Recent Advances and Prospects in the Tishchenko Reaction

**Author(s):** Dhanya, R (Dhanya, Raju); Shilpa, T (Shilpa, Thomas); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 2 **Pages:** 754-763 **DOI:** 10.1002/slct.201902776 **Published:** JAN 16 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000507660100042

**Addresses:** [Dhanya, Raju; Shilpa, Thomas; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**ISSN:** 2365-6549

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### Record 63 of 288

**Title:** Synthesis and Applications of Imidazothiazoles: An Overview

**Author(s):** Abdulla, CMA (Afsina Abdulla, C. M.); Neetha, M (Neetha, Mohan); Aneeja, T (Aneeja, Thaipparambil); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 33 **Pages:** 10374-10386 **DOI:** 10.1002/slct.202002842 **Published:**

SEP 7 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000566532400020

**Addresses:** [Afsina Abdulla, C. M.; Neetha, Mohan; Aneeja, Thaipparambil; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**ISSN:** 2365-6549

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#### **Record 64 of 288**

**Title:** A novel image encryption scheme using both pixel level and bit level permutation with chaotic map

**Author(s):** Shahna, K (Shahna, K. U.); Mohamed, A (Mohamed, Anuj)

**Source:** APPLIED SOFT COMPUTING **Volume:** 90 **Article Number:** 106162 **DOI:**

10.1016/j.asoc.2020.106162 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 74

**Total Times Cited:** 74

**Accession Number:** WOS:000529902300024

**Addresses:** [Shahna, K. U.; Mohamed, Anuj] Mahatma Gandhi Univ, Sch Comp Sci, Kottayam, Kerala, India.

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**ISSN:** 1568-4946

**eISSN:** 1872-9681

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#### **Record 65 of 288**

**Title:** Recent Advances and Perspectives in the Silver-catalyzed Multi-component Reactions

**Author(s):** Treesa, GSS (Treesa, G. S. Susan); Saranya, S (Saranya, Salim); Meera, G (Meera, Gopinadh); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CURRENT ORGANIC CHEMISTRY **Volume:** 24 **Issue:** 3 **Pages:** 291-313 **DOI:**

10.2174/1385272824666200217102036 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000532049200003

**Addresses:** [Treesa, G. S. Susan; Saranya, Salim; Meera, Gopinadh; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1385-2728

**eISSN:** 1875-5348

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#### **Record 66 of 288**

**Title:** Novel synthesis of 2-Aminothiazoles via Fe(III)-Iodine-catalyzed Hantzsch-type condensation

**Author(s):** Ujwaldev, SM (Ujwaldev, Sankuviruthiyil M.); Harry, NA (Harry, Nissy Ann); Neetha, M (Neetha, Mohan); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 58 **Issue:** 2 **Pages:** 646-653 **DOI:**

10.1002/jhet.4166 **Early Access Date:** OCT 2020 **Published:** FEB 2021

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000577837300001

**Addresses:** [Ujwaldev, Sankuviruthiyil M.; Harry, Nissy Ann; Neetha, Mohan; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, PD Hills PO, Kottayam 686560, Kerala, India.

[Anilkumar, Gopinathan] Mahatma Gandhi Univ, Adv Mol Mat Res Ctr AMMRC, Kottayam, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 0022-152X

**eISSN:** 1943-5193

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### Record 67 of 288

**Title:** A novel eco-friendly on-water protocol for the synthesis of 2,2-disubstituted 2,3-dihydro-1H-perimidines

**Author(s):** Harry, NA (Harry, Nissy Ann); Shilpa, T (Shilpa, Thomas); Ujwaldev, SM (Ujwaldev, Sankuviruthiyil M.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 58 **Issue:** 1 **Pages:** 375-381 **DOI:** 10.1002/jhet.4146 **Early Access Date:** SEP 2020 **Published:** JAN 2021

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000573559200001

**Addresses:** [Harry, Nissy Ann; Shilpa, Thomas; Ujwaldev, Sankuviruthiyil M.; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

[Anilkumar, Gopinathan] Mahatma Gandhi Univ, Adv Mol Mat Res Ctr AMMRC, Priyadarsini Hills, Kottayam, Kerala, India.

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**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 0022-152X

**eISSN:** 1943-5193

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### Record 68 of 288

**Title:** Pineapple Peel Extract as an Effective Substrate for Esterase Production from *Bacillus subtilis* E9

**Author(s):** Soumya, P (Soumya, Padinjarakavil); Kochupurackal, J (Kochupurackal, Jayachandran)

**Source:** CURRENT MICROBIOLOGY **Volume:** 77 **Issue:** 10 **Pages:** 3024-3034 **DOI:** 10.1007/s00284-020-02073-5 **Early Access Date:** JUL 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000549805300005

**Addresses:** [Soumya, Padinjarakavil; Kochupurackal, Jayachandran] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Kochupurackal, J (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** jayachandrak@mgu.ac.in

**ISSN:** 0343-8651

**eISSN:** 1432-0991

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### Record 69 of 288

**Title:** Mercury and Other Trace Metals in the Surface Soils of Ny-angstrom lesund, Arctic

**Author(s):** Gopikrishna, VG (Gopikrishna, V. G.); Sebastian, A (Sebastian, Anu); Akhilghosh, KA (Akhilghosh, K. A.); Mohan, M (Mohan, Mahesh)

**Source:** WATER AIR AND SOIL POLLUTION **Volume:** 231 **Issue:** 7 **Article Number:** 377 **DOI:** 10.1007/s11270-020-04745-1 **Published:** JUL 14 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000553101800004

**Addresses:** [Gopikrishna, V. G.; Sebastian, Anu; Akhilghosh, K. A.; Mohan, Mahesh] Mahatma Gandhi Univ, Sch Environm Sci, Kottayam, Kerala, India.

**Corresponding Address:** Mohan, M (corresponding author), Mahatma Gandhi Univ, Sch Environm Sci, Kottayam, Kerala, India.

**E-mail Addresses:** maheshmohan@mgu.ac.in

**ISSN:** 0049-6979

**eISSN:** 1573-2932

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### Record 70 of 288

**Title:** Experimental evaluation of the culture parameters for optimum yield of lipids and other nutraceutically valuable compounds in *Chloroidium saccharophilum* (Kruger) comb. Nov

**Author(s):** Santhakumaran, P (Santhakumaran, Prasantkumar); Kookal, SK (Kookal, Santhosh Kumar); Mathew, L (Mathew, Linu); Ray, JG (Ray, Joseph George)

**Source:** RENEWABLE ENERGY **Volume:** 147 **Pages:** 1082-1097 **DOI:** 10.1016/j.renene.2019.09.071 **Part:** 1 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000502880700095

**Addresses:** [Santhakumaran, Prasanthkumar] Mahatma Gandhi Univ, Sch Biosci, Lab Plant Sci & Ecol, Kottayam 686560, Kerala, India.

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[Mathew, Linu] Mahatma Gandhi Univ, Sch Biosci, Lab Biotechnol, Kottayam 686560, Kerala, India.

[Ray, Joseph George] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**Corresponding Address:** Ray, JG (corresponding author), Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** jgray@mgu.ac.in

**ISSN:** 0960-1481

**eISSN:** 1879-0682

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### Record 71 of 288

**Title:** Surface functionalization of central venous catheter with mycofabricated silver nanoparticles and its antibiofilm activity on multidrug resistant *Acinetobacter baumannii*

**Author(s):** Neethu, S (Neethu, Sahadevan); Midhun, SJ (Midhun, Sebastian Jose); Radhakrishnan, EK (Radhakrishnan, E. K.); Jyothis, M (Jyothis, Mathew)

**Source:** MICROBIAL PATHOGENESIS **Volume:** 138 **Article Number:** 103832 **DOI:** 10.1016/j.micpath.2019.103832 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 22

**Total Times Cited:** 24

**Accession Number:** WOS:000512477100041

**Addresses:** [Neethu, Sahadevan; Midhun, Sebastian Jose; Radhakrishnan, E. K.; Jyothis, Mathew] Mahatma Gandhi Univ, Sch Biosci, Kottayam, Kerala, India.

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**E-mail Addresses:** prof.dr.jyothismathew@gmail.com

**ISSN:** 0882-4010

**eISSN:** 1096-1208

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### Record 72 of 288

**Title:** Advantage of zinc oxide nanoparticles over silver nanoparticles for the management of *Aeromonas veronii* infection in *Xiphophorus hellerii*

**Author(s):** Das, S (Das, Soumya); Aswani, R (Aswani, R.); Midhun, SJ (Midhun, Sebastian Jose); Radhakrishnan, EK (Radhakrishnan, E. K.); Mathew, J (Mathew, Jyothis)

**Source:** MICROBIAL PATHOGENESIS **Volume:** 147 **Article Number:** 104348 **DOI:** 10.1016/j.micpath.2020.104348 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000574906100006

**Addresses:** [Das, Soumya; Aswani, R.; Midhun, Sebastian Jose; Radhakrishnan, E. K.; Mathew, Jyothis] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** prof.dr.jyothismathew@gmail.com

**ISSN:** 0882-4010

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### Record 73 of 288

**Title:** Advances and Prospects in Gold-Catalyzed C-H Activation

**Author(s):** Meera, G (Meera, Gopinadh); Rohit, KR (Rohit, K. R.); Treesa, GSS (Treesa, G. S. Susan); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** ASIAN JOURNAL OF ORGANIC CHEMISTRY **Volume:** 9 **Issue:** 2 **Pages:** 144-161 **DOI:** 10.1002/ajoc.202000020 **Early Access Date:** JAN 2020 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 23

**Total Times Cited:** 23

**Accession Number:** WOS:000510255500001

**Addresses:** [Meera, Gopinadh; Rohit, K. R.; Treesa, G. S. Susan; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com  
**ISSN:** 2193-5807  
**eISSN:** 2193-5815

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#### **Record 74 of 288**

**Title:** Impact of Supplements on Enhanced Activity of *Bacillus amyloliquefaciens* BmB1 Against *Pythium aphanidermatum* Through Lipopeptide Modulation

**Author(s):** Ravi, A (Ravi, Aswani); Rajan, S (Rajan, Sukanya); Khalid, NK (Khalid, Nejumal Kannankeril); Jose, MS (Jose, Midhun Sebastian); Aravindakumar, CT (Aravindakumar, Charuvila T.); Krishnankutty, RE (Krishnankutty, Radhakrishnan Edayileveettill)

**Source:** PROBIOTICS AND ANTIMICROBIAL PROTEINS **Volume:** 13 **Issue:** 2 **Pages:** 367-374 **DOI:** 10.1007/s12602-020-09707-x **Early Access Date:** OCT 2020 **Published:** APR 2021

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000574054900001

**Addresses:** [Ravi, Aswani; Rajan, Sukanya; Jose, Midhun Sebastian; Krishnankutty, Radhakrishnan Edayileveettill] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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[Aravindakumar, Charuvila T.] Mahatma Gandhi Univ, Inter Univ Instrumentat Ctr, Kottayam, Kerala, India.

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**E-mail Addresses:** radhakrishnanek@mgu.ac.in

**ISSN:** 1867-1306

**eISSN:** 1867-1314

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#### **Record 75 of 288**

**Title:** Methanolic Extract of *Muntingia Calabura* L. Mitigates 1,2-Dimethyl Hydrazine Induced Colon Carcinogenesis in Wistar Rats

**Author(s):** Jisha, N (Jisha, Ninan); Vysakh, A (Vysakh, A.); Vijeesh, V (Vijeesh, V.); Anand, PS (Anand, P. S.); Latha, MS (Latha, M. S.)

**Source:** NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL **Volume:** 73 **Issue:** 11-12 **Pages:** 2363-2375 **DOI:** 10.1080/01635581.2020.1823438 **Early Access Date:** SEP 2020 **Published:** DEC 31 2021

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000572516700001

**Addresses:** [Jisha, Ninan; Vysakh, A.; Vijeesh, V.; Anand, P. S.; Latha, M. S.] Mahatma Gandhi Univ, Sch Biosci, Priyadarshini Hills, Kottayam, Kerala, India.

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**ISSN:** 0163-5581

**eISSN:** 1532-7914

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#### **Record 76 of 288**

**Title:** Cobalt-Catalyzed Multi-Component Reactions: Recent Advances and Perspectives in Organic Synthesis

**Author(s):** Treesa, GSS (Susan Treesa, G. S.); Neetha, M (Neetha, Mohan); Saranya, S (Saranya, Salim); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 25 **Pages:** 7400-7416 **DOI:** 10.1002/slct.202002021 **Published:** JUL 7 2020

**Times Cited in Web of Science Core Collection:** 12

**Total Times Cited:** 12

**Accession Number:** WOS:000545756700013

**Addresses:** [Susan Treesa, G. S.; Neetha, Mohan; Saranya, Salim; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

**Corresponding Address:** Anilkumar, G (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**ISSN:** 2365-6549

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#### **Record 77 of 288**

**Title:** Recent Trends in the Iron-Catalyzed Cyanation Reactions

**Author(s):** Saranya, S (Saranya, Salim); Neetha, M (Neetha, Mohan); Aneesa, T (Aneesa, Thaipparambil); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** ADVANCED SYNTHESIS & CATALYSIS **Volume:** 362 **Issue:** 21 **Pages:** 4543-4551 **DOI:** 10.1002/adsc.202000827 **Early Access Date:** SEP 2020 **Published:** NOV 4 2020

**Times Cited in Web of Science Core Collection:** 18

**Total Times Cited:** 18

**Accession Number:** WOS:000569905000001

**Addresses:** [Saranya, Salim; Neetha, Mohan; Aneesa, Thaipparambil; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1615-4150

**eISSN:** 1615-4169

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### Record 78 of 288

**Title:** Microwave-assisted Amination Reactions: An Overview

**Author(s):** Radhika, S (Radhika, Sankaran); Neetha, M (Neetha, Mohan); Aneesa, T (Aneesa, Thaipparambil); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CURRENT ORGANIC CHEMISTRY **Volume:** 24 **Issue:** 19 **Pages:** 2235-2255 **DOI:** 10.2174/1385272824999200914111246 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 5

**Total Times Cited:** 5

**Accession Number:** WOS:000595626400003

**Addresses:** [Radhika, Sankaran; Neetha, Mohan; Aneesa, Thaipparambil; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1385-2728

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### Record 79 of 288

**Title:** High purity blue photoluminescence in thulium activated  $\text{Na}_3\text{Y}(\text{VO}_4)_2$  nanocrystals via host sensitization

**Author(s):** Jacob, LA (Jacob, Linju Ann); Sisira, S (Sisira, S.); Mani, KP (Mani, Kamal P.); Thomas, K (Thomas, Kukku); Alexander, D (Alexander, Dinu); Biju, PR (Biju, P. R.); Unnikrishnan, NV (Unnikrishnan, N., V); Joseph, C (Joseph, Cyriac)

**Source:** JOURNAL OF LUMINESCENCE **Volume:** 223 **Article Number:** 117169 **DOI:** 10.1016/j.jlum.2020.117169 **Published:** JUL 2020

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000542431700013

**Addresses:** [Jacob, Linju Ann; Sisira, S.; Mani, Kamal P.; Thomas, Kukku; Alexander, Dinu; Biju, P. R.; Unnikrishnan, N., V; Joseph, Cyriac] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

**Corresponding Address:** Joseph, C (corresponding author), Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

**E-mail Addresses:** cyriacmgu@gmail.com

**ISSN:** 0022-2313

**eISSN:** 1872-7883

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### Record 80 of 288

**Title:** Spectroscopic analysis of Eu(3+)doped silica-titania-polydimethylsiloxane hybrid ORMOSILs

**Author(s):** Gopinath, RJM (Gopinath, Manju R. J.); Gopi, S (Gopi, Subash); Simon, SM (Simon, Sanu Mathew); Saritha, AC (Saritha, A. C.); Biju, PR (Biju, P. R.); Joseph, C (Joseph, Cyriac); Unnikrishnan, NV (Unnikrishnan, N., V)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 34 **Pages:** 20057-20066 **DOI:** 10.1039/d0ra03073b **Published:** MAY 26 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000541906600029

**Addresses:** [Gopinath, Manju R. J.; Gopi, Subash; Simon, Sanu Mathew; Saritha, A. C.; Biju, P. R.; Joseph, Cyriac; Unnikrishnan, N., V] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**eISSN:** 2046-2069

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### **Record 81 of 288**

**Title:** Recent advances in the iron-catalysed multicomponent reactions

**Author(s):** Saranya, S (Saranya, Salim); Aneesa, T (Aneesa, Thaipparambil); Neetha, M (Neetha, Mohan); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 34 **Issue:** 12 **Article Number:** e5991 **DOI:** 10.1002/aoc.5991 **Early Access Date:** SEP 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 12

**Total Times Cited:** 12

**Accession Number:** WOS:000564525000001

**Addresses:** [Saranya, Salim; Aneesa, Thaipparambil; Neetha, Mohan; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 0268-2605

**eISSN:** 1099-0739

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### **Record 82 of 288**

**Title:** Plasmid-Mediated Biodegradation of Chlorpyrifos and Analysis of Its Metabolic By-Products

**Author(s):** John, EM (John, Elizabeth M.); Varghese, EM (Varghese, Edna M.); Shaike, JM (Shaike, Jisha M.)

**Source:** CURRENT MICROBIOLOGY **Volume:** 77 **Issue:** 10 **Pages:** 3095-3103 **DOI:** 10.1007/s00284-020-02115-y **Early Access Date:** JUL 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000552586700001

**Addresses:** [John, Elizabeth M.; Varghese, Edna M.; Shaike, Jisha M.] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

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**ISSN:** 0343-8651

**eISSN:** 1432-0991

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### **Record 83 of 288**

**Title:** Novel La(OH)(3)-integrated sGO-Ag3VO4/Ag nanocomposite as a heterogeneous photocatalyst for fast degradation of agricultural and industrial pollutants

**Author(s):** Priyanka, RN (Priyanka, Ragam N.); Joseph, S (Joseph, Subi); Abraham, T (Abraham, Thomas); Plathanam, NJ (Plathanam, Neena J.); Mathew, B (Mathew, Beena)

**Source:** CATALYSIS SCIENCE & TECHNOLOGY **Volume:** 10 **Issue:** 9 **Pages:** 2916-2930 **DOI:** 10.1039/d0cy00104j **Published:** MAY 7 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000534338900016

**Addresses:** [Priyanka, Ragam N.; Joseph, Subi; Abraham, Thomas; Plathanam, Neena J.; Mathew, Beena] Mahatma Gandhi Univ, Sch Chem Sci, Kuttayam 686500, Kerala, India.

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**ISSN:** 2044-4753

**eISSN:** 2044-4761

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### Record 84 of 288

**Title:** A novel catalyst-free mechanochemical protocol for the synthesis of 2,3-dihydro-1H-perimidines

**Author(s):** Harry, NA (Harry, Nissy Ann); Radhika, S (Radhika, Sankaran); Neetha, M (Neetha, Mohan); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF HETEROCYCLIC CHEMISTRY **Volume:** 57 **Issue:** 4 **Pages:** 2037-2043 **DOI:** 10.1002/jhet.3880 **Early Access Date:** JAN 2020 **Published:** APR 2020

**Times Cited in Web of Science Core Collection:** 17

**Total Times Cited:** 17

**Accession Number:** WOS:000506852000001

**Addresses:** [Harry, Nissy Ann; Radhika, Sankaran; Neetha, Mohan; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 0022-152X

**eISSN:** 1943-5193

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### Record 85 of 288

**Title:** Recent advances and prospects in the palladium-catalyzed cyanation of aryl halides

**Author(s):** Neetha, M (Neetha, Mohan); Afsina, CMA (Afsina, C. M. A.); Aneeja, T (Aneeja, Thaipparambil); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 56 **Pages:** 33683-33699 **DOI:** 10.1039/d0ra05960a **Published:** SEP 16 2020

**Times Cited in Web of Science Core Collection:** 32

**Total Times Cited:** 31

**Accession Number:** WOS:000571760600008

**Addresses:** [Neetha, Mohan; Afsina, C. M. A.; Aneeja, Thaipparambil; Anilkumar, Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Priyadarsini Hills PO, Kottayam 686560, Kerala, India.

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**eISSN:** 2046-2069

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### Record 86 of 288

**Title:** Surface Plasmon Assisted Luminescence Enhancement of Ag NP/NWs-Doped SiO<sub>2</sub>-TiO<sub>2</sub>-ZrO<sub>2</sub>:Eu<sup>3+</sup> Ternary System (vol 14, 673, 2019)

**Author(s):** Prakashan, VP (Prakashan, V. P.); Sajna, MS (Sajna, M. S.); Gejo, G (Gejo, G.); Sanu, MS (Sanu, M. S.); Saritha, AC (Saritha, A. C.); Biju, PR (Biju, P. R.); Cyriac, J (Cyriac, J.); Unnikrishnan, NV (Unnikrishnan, N. V.)

**Source:** PLASMONICS **Volume:** 15 **Issue:** 5 **Pages:** 1541-1542 **DOI:** 10.1007/s11468-020-01147-1 **Early Access Date:** APR 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000556978600001

**Addresses:** [Prakashan, V. P.; Sajna, M. S.; Gejo, G.; Sanu, M. S.; Saritha, A. C.; Biju, P. R.; Cyriac, J.; Unnikrishnan, N. V.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** nvu100@yahoo.com

**ISSN:** 1557-1955

**eISSN:** 1557-1963

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**Record 87 of 288**

**Title:** An overview of synthetic modification of nitrile group in polymers and applications

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Anas, S (Anas, Saithalavi)

**Source:** JOURNAL OF POLYMER SCIENCE **Volume:** 58 **Issue:** 8 **Pages:** 1039-1061 **DOI:** 10.1002/pol.20190190 **Early Access Date:** FEB 2020 **Published:** APR 15 2020

**Times Cited in Web of Science Core Collection:** 39

**Total Times Cited:** 39

**Accession Number:** WOS:000517885600001

**Addresses:** [Sruthi, Pambingal Rajan; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**Corresponding Address:** Anas, S (corresponding author), Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

**E-mail Addresses:** anas@mgu.ac.in

**ISSN:** 2642-4150

**eISSN:** 2642-4169

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**Record 88 of 288**

**Title:** Structure, diversity and utilization of plant species in tribal homegardens of Kerala, India

**Author(s):** George, MV (George, M. Veena); Christopher, G (Christopher, G.)

**Source:** AGROFORESTRY SYSTEMS **Volume:** 94 **Issue:** 1 **Pages:** 297-307 **DOI:** 10.1007/s10457-019-00393-5 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 15

**Accession Number:** WOS:000511423800024

**Addresses:** [George, M. Veena; Christopher, G.] Mahatma Gandhi Univ, ACESSD, Priyadarsini Hills, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** george.veena@gmail.com

**ISSN:** 0167-4366

**eISSN:** 1572-9680

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**Record 89 of 288**

**Title:** Dielectric properties of natural rubber/polyethylene oxide block copolymer complexed with transition metal ions

**Author(s):** Mrudula, MS (Mrudula, M. S.); Nair, MRG (Nair, M. R. Gopinathan)

**Source:** POLYMER BULLETIN **Volume:** 77 **Issue:** 11 **Pages:** 6029-6048 **DOI:** 10.1007/s00289-019-03035-z **Early Access Date:** DEC 2019 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000575636400001

**Addresses:** [Mrudula, M. S.; Nair, M. R. Gopinathan] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0170-0839

**eISSN:** 1436-2449

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**Record 90 of 288**

**Title:** Distribution of multi-virulence factors among *Aeromonas* spp. isolated from diseased *Xiphophorus hellerii*

**Author(s):** Das, S (Das, Soumya); Aswani, R (Aswani, R.); Jasim, B (Jasim, B.); Sebastian, KS (Sebastian, K. S.); Radhakrishnan, K (Radhakrishnan, K.); Mathew, J (Mathew, Jyothis)

**Source:** AQUACULTURE INTERNATIONAL **Volume:** 28 **Issue:** 1 **Pages:** 235-248 **DOI:** 10.1007/s10499-019-00456-5 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 10

**Accession Number:** WOS:000515892300017

**Addresses:** [Das, Soumya; Aswani, R.; Jasim, B.; Radhakrishnan, K.; Mathew, Jyothis] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** jyothismathews@gmail.com

**ISSN:** 0967-6120

**eISSN:** 1573-143X

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### Record 91 of 288

**Title:** Influence of exfoliated graphite inclusion on the thermal, mechanical, dielectric and solvent transport characteristics of fluoroelastomer nanocomposites

**Author(s):** Moni, G (Moni, Grace); Jose, T (Jose, Thomasukutty); Rajeevan, S (Rajeevan, Sreelakshmi); Mayeen, A (Mayeen, Anshidha); Rejimon, A (Rejimon, Alphy); Sarath, PS (Sarath, P. S.); George, SC (George, Soney C.)

**Source:** JOURNAL OF POLYMER RESEARCH **Volume:** 27 **Issue:** 3 **Article Number:** 72 **DOI:** 10.1007/s10965-020-2040-x **Published:** FEB 24 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 7

**Accession Number:** WOS:000519373000001

**Addresses:** [Moni, Grace; Jose, Thomasukutty; Rajeevan, Sreelakshmi; Rejimon, Alphy; Sarath, P. S.; George, Soney C.] Amal Jyothi Coll Engn, Dept Basic Sci, Ctr Nanosci & Technol, Kanjirappally, Kerala, India.

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**E-mail Addresses:** soneygeo@gmail.com

**ISSN:** 1022-9760

**eISSN:** 1572-8935

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### Record 92 of 288

**Title:** Recent Developments and Perspectives in the C-Se Cross Coupling Reactions

**Author(s):** Jose, DE (Jose, Diana Elizabeth); Kanchana, US (Kanchana, U. S.); Mathew, TV (Mathew, Thomas, V); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CURRENT ORGANIC CHEMISTRY **Volume:** 24 **Issue:** 11 **Pages:** 1230-1262 **DOI:** 10.2174/1385272824999200528130131 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000568813400004

**Addresses:** [Jose, Diana Elizabeth; Kanchana, U. S.; Mathew, Thomas, V] St Thomas Coll Pala, Dept Chem, Arunapuram PO, Kottayam 686574, Kerala, India.

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**E-mail Addresses:** anilgi1@yahoo.com

**ISSN:** 1385-2728

**eISSN:** 1875-5348

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### Record 93 of 288

**Title:** Removal efficiency of methylene blue from aqueous medium using biochar derived from Phragmites karka, a highly invasive wetland weed

**Author(s):** Viswanthan, SP (Viswanthan, Shanthi Prabha); Neelamury, SP (Neelamury, Sreekanth Prakasan); Parakkuzhiyil, S (Parakkuzhiyil, Shahala); Njzhakunnathu, GV (Njzhakunnathu, Gopika Vijayakumar); Sebastian, A (Sebastian, Anu); Padmakumar, B (Padmakumar, Babu); Ambatt, TP (Ambatt, Thomas Paili)

**Source:** BIOMASS CONVERSION AND BIOREFINERY **Volume:** 12 **Issue:** 8 **Pages:** 3257-3273 **DOI:** 10.1007/s13399-020-00877-w **Early Access Date:** JUL 2020 **Published:** AUG 2022

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000555586200002

**Addresses:** [Viswanthan, Shanthi Prabha; Neelamury, Sreekanth Prakasan; Njzhakunnathu, Gopika Vijayakumar; Sebastian, Anu; Padmakumar, Babu; Ambatt, Thomas Paili] Mahatma Gandhi Univ, Adv Ctr Environm Studies & Sustainable Dev, Sch Environm Sci, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** shanthiprabhav@gmail.com

**ISSN:** 2190-6815

**Record 94 of 288**

**Title:** Novel and efficient polymer supported copper catalyst for heck reaction

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Anjali, S (Anjali, Suresh); Varghese, N (Varghese, Nicy); Anas, S (Anas, Saithalavi)

**Source:** JOURNAL OF ORGANOMETALLIC CHEMISTRY **Volume:** 921 **Article Number:** 121354 **DOI:** 10.1016/j.jorganchem.2020.121354 **Published:** AUG 15 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000548959300006

**Addresses:** [Sruthi, Pambingal Rajan; Varghese, Nicy; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0022-328X

**eISSN:** 1872-8561

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**Record 95 of 288**

**Title:** Reduced graphene oxide/silver nanohybrid as a multifunctional material for antibacterial, anticancer, and SERS applications

**Author(s):** Jose, PPA (Jose, Priya Parvathi Ameena); Kala, MS (Kala, M. S.); Joseph, AV (Joseph, Alphonsa Vijaya); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING **Volume:** 126 **Issue:** 1 **Article Number:** 58 **DOI:** 10.1007/s00339-019-3237-x **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000509107000001

**Addresses:** [Jose, Priya Parvathi Ameena; Kala, M. S.] St Teresas Coll, Dept Phys, Ernakulam, Kerala, India.

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**ISSN:** 0947-8396

**eISSN:** 1432-0630

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**Record 96 of 288**

**Title:** Amidoxime modified PAN supported palladium complex: A greener and efficient heterogeneous catalyst for heck reaction (vol 502, 119305, 2020)

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Sarika, V (Sarika, Vijayalekshmi); Suku, A (Suku, Arya); Krishnan, A (Krishnan, Aravind); Anas, S (Anas, Saithalavi)

**Source:** INORGANICA CHIMICA ACTA **Volume:** 510 **Article Number:** 119742 **DOI:** 10.1016/j.ica.2020.119742 **Published:** SEP 24 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000541377100017

**Addresses:** [Sruthi, Pambingal Rajan; Sarika, Vijayalekshmi; Suku, Arya; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0020-1693

**eISSN:** 1873-3255

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**Record 97 of 288**

**Title:** Healthy broilers disseminate antibiotic resistance in response to tetracycline input in feed concentrates

**Author(s):** Sreejith, S (Sreejith, S.); Shajahan, S (Shajahan, Shamna); Prathiush, PR (Prathiush, P. R.); Anjana, VM

(Anjana, V. M.); Viswanathan, A (Viswanathan, Arathy); Chandran, V (Chandran, Vishnu); Kumar, GSA (Kumar, G. S. Ajith); Jayachandran, R (Jayachandran, R.); Mathew, J (Mathew, Jyothis); Radhakrishnan, EK (Radhakrishnan, E. K.)

**Source:** MICROBIAL PATHOGENESIS **Volume:** 149 **Article Number:** 104562 **DOI:**

10.1016/j.micpath.2020.104562 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000599711600005

**Addresses:** [Sreejith, S.; Shajahan, Shamna; Viswanathan, Arathy; Chandran, Vishnu; Mathew, Jyothis; Radhakrishnan, E. K.] Mahatma Gandhi Univ, Sch Biosci, Kottayam 686560, Kerala, India.

[Prathiush, P. R.; Anjana, V. M.; Kumar, G. S. Ajith; Jayachandran, R.] State Inst Anim Dis, Thiruvananthapuram 695563, Kerala, India.

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**E-mail Addresses:** radhakrishnanek@mgu.ac.in

**ISSN:** 0882-4010

**eISSN:** 1096-1208

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### Record 98 of 288

**Title:** Synthesis, Characterization and Antimicrobial Properties of Superparamagnetic alpha-Fe(2)O(3)Nanoparticles Stabilized by Biocompatible Starch

**Author(s):** Philip, S (Philip, Sherin); Kuriakose, S (Kuriakose, Sunny)

**Source:** JOURNAL OF CLUSTER SCIENCE **Volume:** 32 **Issue:** 5 **Pages:** 1339-1349 **DOI:** 10.1007/s10876-020-01898-1 **Early Access Date:** OCT 2020 **Published:** SEP 2021

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000575721500002

**Addresses:** [Philip, Sherin; Kuriakose, Sunny] St Thomas Coll, Res & Postgrad Dept Chem, Palai 686574, India.

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**ISSN:** 1040-7278

**eISSN:** 1572-8862

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### Record 99 of 288

**Title:** Enhanced magnetoelectric coupling and dielectric constant in flexible ternary composite electrospun fibers of PVDF-HFP loaded with nanoclay and NiFe<sub>2</sub>O<sub>4</sub> nanoparticles

**Author(s):** Chacko, SK (Chacko, Sobi K.); Rahul, MT (Rahul, M. T.); Raneesh, B (Raneesh, B.); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** NEW JOURNAL OF CHEMISTRY **Volume:** 44 **Issue:** 26 **Pages:** 11356-11364 **DOI:** 10.1039/d0nj02494e **Published:** JUL 14 2020

**Times Cited in Web of Science Core Collection:** 21

**Total Times Cited:** 21

**Accession Number:** WOS:000546037400066

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**ISSN:** 1144-0546

**eISSN:** 1369-9261

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### Record 100 of 288

**Title:** Cyclodextrin based palladium catalysts for Suzuki reaction: An overview

**Author(s):** Kanchana, US (Kanchana, U. S.); Diana, EJ (Diana, Elizabeth J.); Mathew, TV (Mathew, Thomas, V); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** CARBOHYDRATE RESEARCH **Volume:** 489 **Article Number:** 107954 **DOI:** 10.1016/j.carres.2020.107954 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 24

**Total Times Cited:** 24

**Accession Number:** WOS:000519529400011

**Addresses:** [Kanchana, U. S.; Diana, Elizabeth J.; Mathew, Thomas, V] St Thomas Coll Pala, Dept Chem, Arunapuram PO, Kottayam 686574, Kerala, India.

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**E-mail Addresses:** majothomas@gmail.com; anilgi1@yahoo.com

**ISSN:** 0008-6215

**eISSN:** 1873-426X

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### **Record 101 of 288**

**Title:** Crystallization study of shellac investigated by differential scanning calorimetry

**Author(s):** Mondal, A (Mondal, Abhijit); Sohel, MA (Sohel, Md Amir); Mohammed, AP (Mohammed, Arif P.); Anu, AS (Anu, A. S.); Thomas, S (Thomas, Sabu); SenGupta, A (SenGupta, Asmita)

**Source:** POLYMER BULLETIN **Volume:** 77 **Issue:** 10 **Pages:** 5127-5143 **DOI:** 10.1007/s00289-019-03001-9 **Early Access Date:** NOV 2019 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000493622500001

**Addresses:** [Mondal, Abhijit; Sohel, Md Amir; SenGupta, Asmita] Dept Phys, Santini Ketan, W Bengal, India.

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**E-mail Addresses:** asmita\_sengupta@hotmail.com

**ISSN:** 0170-0839

**eISSN:** 1436-2449

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### **Record 102 of 288**

**Title:** Additive Manufacturing of Poly (epsilon-Caprolactone) for Tissue Engineering

**Author(s):** Joseph, B (Joseph, Blessy); James, J (James, Jemy); Grohens, Y (Grohens, Yves); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** JOM **Volume:** 72 **Issue:** 11 **Pages:** 4127-4138 **DOI:** 10.1007/s11837-020-04382-3 **Early Access Date:** OCT 2020 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 5

**Accession Number:** WOS:000578249900006

**Addresses:** [Joseph, Blessy; James, Jemy; Kalarikkal, Nandakumar; Thomas, Sabu] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, Kottayam, Kerala, India.

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**ISSN:** 1047-4838

**eISSN:** 1543-1851

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### **Record 103 of 288**

**Title:** Environmental Adaptations of an Extremely Plant Beneficial *Bacillus subtilis* Dcl1 Identified Through the Genomic and Metabolomic Analysis

**Author(s):** Jayakumar, A (Jayakumar, Aswathy); Nair, IC (Nair, Indu C.); Radhakrishnan, EK (Radhakrishnan, E. K.)

**Source:** MICROBIAL ECOLOGY **Volume:** 81 **Issue:** 3 **Pages:** 687-702 **DOI:** 10.1007/s00248-020-01605-7 **Early Access Date:** OCT 2020 **Published:** APR 2021

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000579749400001

**Addresses:** [Jayakumar, Aswathy; Radhakrishnan, E. K.] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 0095-3628

**eISSN:** 1432-184X

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### Record 104 of 288

**Title:** Amidoxime modified PAN supported palladium complex: A greener and efficient heterogeneous catalyst for heck reaction

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Sarika, V (Sarika, Vijayalekshmi); Suku, A (Suku, Arya); Krishnan, A (Krishnan, Aravind); Anas, S (Anas, Saithalavi)

**Source:** INORGANICA CHIMICA ACTA **Volume:** 502 **Article Number:** 119305 **DOI:** 10.1016/j.ica.2019.119305 **Published:** MAR 1 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 13

**Accession Number:** WOS:000510860900021

**Addresses:** [Sruthi, Pambingal Rajan; Sarika, Vijayalekshmi; Suku, Arya; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0020-1693

**eISSN:** 1873-3255

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### Record 105 of 288

**Title:** Rubber-rubber blends: A critical review

**Author(s):** Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Varghese, KM (Varghese, K. M.); Nair, AS (Nair, A. Sreekumaran); Thomas, S (Thomas, Sabu)

**Source:** PROGRESS IN RUBBER PLASTICS AND RECYCLING TECHNOLOGY **Volume:** 36 **Issue:** 3 **Pages:** 196-242 **DOI:** 10.1177/1477760619895002 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 13

**Accession Number:** WOS:000552142800004

**Addresses:** [Kaliyathan, Abitha Vayyaprontavida] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 1477-7606

**eISSN:** 1478-2413

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### Record 106 of 288

**Title:** Calcium depletion at high glucose concentration promotes vesicle-mediated NET release in response to Staphylococcus aureus

**Author(s):** Shaji, BV (Shaji, Binchu, V); Shaji, S (Shaji, Shahana); Haritha, VH (Haritha, V. H.); Pramod, S (Pramod, S.); Anie, Y (Anie, Y.)

**Source:** MOLECULAR IMMUNOLOGY **Volume:** 124 **Pages:** 211-217 **DOI:** 10.1016/j.molimm.2020.06.015 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000549303900024

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**ISSN:** 0161-5890

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**Record 107 of 288**

**Title:** Natural graphite reinforced fluoroelastomer composites: Morphological, mechanical, thermal, dielectric, and solvent transport studies

**Author(s):** Moni, G (Moni, Grace); Mayeen, A (Mayeen, Anshida); George, SC (George, Soney C.)

**Source:** POLYMER ENGINEERING AND SCIENCE **Volume:** 60 **Issue:** 8 **Pages:** 2034-2045 **DOI:** 10.1002/pen.25450 **Early Access Date:** JUN 2020 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 5

**Total Times Cited:** 7

**Accession Number:** WOS:000539839000001

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**ISSN:** 0032-3888

**eISSN:** 1548-2634

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**Record 108 of 288**

**Title:** Recent developments in the metal catalysed cross-coupling reactions for the synthesis of the enone system of chalcones

**Author(s):** Diana, EJ (Diana, Elizabeth J.); Kanchana, US (Kanchana, U. S.); Mathew, TV (Mathew, Thomas V.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 34 **Issue:** 12 **Article Number:** e5987 **DOI:** 10.1002/aoc.5987 **Early Access Date:** AUG 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 16

**Total Times Cited:** 15

**Accession Number:** WOS:000564301300001

**Addresses:** [Diana, Elizabeth J.; Kanchana, U. S.; Mathew, Thomas V.] St Thomas Coll Pala, Dept Chem, Arunapuram PO, Kottayam 686574, Kerala, India.

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**ISSN:** 0268-2605

**eISSN:** 1099-0739

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**Record 109 of 288**

**Title:** Natural rubber latex-based adhesives: role of nanofillers

**Author(s):** Shybi, AA (Shybi, A. A.); Varghese, S (Varghese, Siby); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY **Volume:** 35 **Issue:** 4 **Pages:** 406-418 **DOI:** 10.1080/01694243.2020.1806613 **Early Access Date:** AUG 2020 **Published:** FEB 16 2021

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000559880700001

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**ISSN:** 0169-4243

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**Record 110 of 288**

**Title:** Recent advances and prospects in the nickel- catalyzed cyanation

**Author(s):** Kanchana, US (Kanchana, U. S.); Mathew, TV (Mathew, Thomas V.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF ORGANOMETALLIC CHEMISTRY **Volume:** 920 **Article Number:** 121337 **DOI:** 10.1016/j.jorganchem.2020.121337 **Published:** AUG 1 2020

**Times Cited in Web of Science Core Collection:** 23

**Total Times Cited:** 23



**Accession Number:** WOS:000546219800011

**Addresses:** [Kanchana, U. S.; Mathew, Thomas V.] St Thomas Coll Pala, Dept Chem, Arunapuram PO, Kottayam 686574, Kerala, India.

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**ISSN:** 0022-328X

**eISSN:** 1872-8561

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### Record 111 of 288

**Title:** Dielectric Properties of PMMA Films Reinforced with Ag/rGO Hybrid Composites

**Author(s):** Jose, PPA (Jose, Priya Parvathi Ameena); Kala, MS (Kala, M. S.); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF ELECTRONIC MATERIALS **Volume:** 49 **Issue:** 10 **Pages:** 5970-5979 **DOI:** 10.1007/s11664-020-08321-5 **Early Access Date:** JUL 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000551023500002

**Addresses:** [Jose, Priya Parvathi Ameena; Kala, M. S.] St Teresas Coll, Dept Phys, Ernakulam, Kerala, India.

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**ISSN:** 0361-5235

**eISSN:** 1543-186X

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### Record 112 of 288

**Title:** Levy noise-induced near-death spikes and phase transitions of a biological neural network

**Author(s):** Mineeja, KK (Mineeja, K. K.); Ignatius, RP (Ignatius, Rose P.)

**Source:** NONLINEAR DYNAMICS **Volume:** 99 **Issue:** 4 **Pages:** 3265-3283 **DOI:** 10.1007/s11071-020-05472-2 **Early Access Date:** JAN 2020 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000508708000002

**Addresses:** [Mineeja, K. K.; Ignatius, Rose P.] MG Univ, St Teresas Coll, Dept Phys, Ernakulam, Kerala, India.

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**ISSN:** 0924-090X

**eISSN:** 1573-269X

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### Record 113 of 288

**Title:** Palladium-catalyzed cross-coupling reactions of coumarin derivatives: An overview

**Author(s):** Kanchana, US (Kanchana, U. S.); Diana, EJ (Diana, Elizabeth J.); Mathew, TV (Mathew, Thomas, V); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** APPLIED ORGANOMETALLIC CHEMISTRY **Volume:** 34 **Issue:** 12 **Article Number:** e5983 **DOI:** 10.1002/aoc.5983 **Early Access Date:** AUG 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000562692800001

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### Record 114 of 288

**Title:** Nanoelicitor based enhancement of camptothecin production in fungi isolated from *Ophiorrhiza mungos*

**Author(s):** Aswani, R (Aswani, Ravi); Jasim, B (Jasim, Basheer); Vishnu, RA (Vishnu, Renjan Arun); Antony, L (Antony, Liya); Remakanthan, A (Remakanthan, Appukuttan); Aravindakumar, CT (Aravindakumar, Charuvila T.); Radhakrishnan, EK (Radhakrishnan, Edayileveetil Krishnankutty)

**Source:** BIOTECHNOLOGY PROGRESS **Volume:** 36 **Issue:** 6 **Article Number:** e3039 **DOI:** 10.1002/btpr.3039 **Early Access Date:** JUL 2020 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000546464200001

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**ISSN:** 8756-7938

**eISSN:** 1520-6033

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### Record 115 of 288

**Title:** Sequence analysis and docking performance of extracellular chitinase from *Bacillus pumilus* MCB-7, a novel mangrove isolate

**Author(s):** Rishad, KS (Rishad, K. S.); Varghese, S (Varghese, Sherin); Jisha, MS (Jisha, M. S.)

**Source:** ENZYME AND MICROBIAL TECHNOLOGY **Volume:** 140 **Article Number:** 109624 **DOI:** 10.1016/j.enzmictec.2020.109624 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000572335200007

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**ISSN:** 0141-0229

**eISSN:** 1879-0909

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### Record 116 of 288

**Title:** Polystyrene supported bromoderivative of 2-oxazolidone - an efficient reagent for microwave assisted bromination reactions

**Author(s):** Mathew, A (Mathew, Anjaly); Mathew, B (Mathew, Beena); Koshy, EP (Koshy, Ebey P.)

**Source:** JOURNAL OF POLYMER RESEARCH **Volume:** 27 **Issue:** 9 **Article Number:** 271 **DOI:** 10.1007/s10965-020-02251-w **Published:** AUG 18 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000560438000001

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**ISSN:** 1022-9760

**eISSN:** 1572-8935

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### Record 117 of 288

**Title:** Sunlight-mediated green synthesis of silver nanoparticles using *Sida retusaleaf* extract and assessment of its antimicrobial and catalytic activities

**Author(s):** Sooraj, MP (Sooraj, M. P.); Nair, AS (Nair, Archana S.); Vineetha, D (Vineetha, D.)

**Source:** CHEMICAL PAPERS **Volume:** 75 **Issue:** 1 **Pages:** 351-363 **DOI:** 10.1007/s11696-020-01304-0 **Early Access Date:** AUG 2020 **Published:** JAN 2021

**Times Cited in Web of Science Core Collection:** 24

**Total Times Cited:** 25

**Accession Number:** WOS:000557328300001

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**ISSN:** 0366-6352

**eISSN:** 2585-7290

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### **Record 118 of 288**

**Title:** Compatibilization of epoxidized triblock copolymer on the generation of self-assembled nanostructured epoxies and their surface wettability

**Author(s):** Remya, VPR (Remya, Vasudevan Pillai R.); Varghese, RJ (Jose Varghese, Rajendran); Parani, S (Parani, Sundararajan); Sakho, EM (Sakho, El Hadji Mamour); Oluwafemi, OS (Oluwafemi, Oluwatobi S.); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 138 **Issue:** 10 **Article Number:** e49985 **DOI:** 10.1002/app.49985 **Early Access Date:** OCT 2020 **Published:** MAR 10 2021

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000574857700001

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**ISSN:** 0021-8995

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### **Record 119 of 288**

**Title:** Exploring the Effect of Morphologies of Fe(III) Metal-Organic Framework MIL-88A(Fe) on the Photocatalytic Degradation of Rhodamine B

**Author(s):** Viswanathan, VP (Viswanathan, Vandana P.); Mathew, SV (Mathew, Siji V.); Dubal, DP (Dubal, Deepak P.); Adarsh, NN (Adarsh, Nayarassery N.); Mathew, S (Mathew, Suresh)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 25 **Pages:** 7534-7542 **DOI:** 10.1002/slct.202001670 **Published:** JUL 7 2020

**Times Cited in Web of Science Core Collection:** 19

**Total Times Cited:** 22

**Accession Number:** WOS:000545756700029

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**ISSN:** 2365-6549

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### **Record 120 of 288**

**Title:** Structurally modified poly(methyl methacrylate) electrospun nanofibers as better host matrix for noble metal nanoparticles

**Author(s):** Philip, P (Philip, Princy); Jose, T (Jose, Tomlal); Parameswaran, M (Parameswaran, Manoj); Thankaraj, S (Thankaraj, Sajini)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 138 **Issue:** 15 **Article Number:** e50210 **DOI:** 10.1002/app.50210 **Early Access Date:** NOV 2020 **Published:** APR 15 2021

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000584135400001

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**E-mail Addresses:** tomlalj27@gmail.com

**ISSN:** 0021-8995

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### Record 121 of 288

**Title:** Multiorgan histopathological changes in the juvenile seabream *Sparus aurata* as a biomarker for zinc oxide particles toxicity

**Author(s):** Beegam, A (Beegam, Asfina); Lopes, M (Lopes, Maria); Fernandes, T (Fernandes, Tiago); Jose, J (Jose, Jiya); Barreto, A (Barreto, Angela); Oliveira, M (Oliveira, Miguel); Soares, AMVM (Soares, Amadeu M. V. M.); Trindade, T (Trindade, Tito); Thomas, S (Thomas, Sabu); Pereira, ML (Pereira, Maria L.)

**Source:** ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **Volume:** 27 **Issue:** 25 **Pages:** 30907-30917 **DOI:** 10.1007/s11356-019-05949-7 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000554795000002

**Addresses:** [Beegam, Asfina; Jose, Jiya; Thomas, Sabu] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, Kottayam, Kerala, India.

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**ISSN:** 0944-1344

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### Record 122 of 288

**Title:** Blood circulation of soft nanomaterials is governed by dynamic remodeling of protein opsonins at nano-biointerface

**Author(s):** Abbina, S (Abbina, Srinivas); Takeuchi, LE (Takeuchi, Lily E.); Anilkumar, P (Anilkumar, Parambath); Yu, K (Yu, Kai); Rogalski, JC (Rogalski, Jason C.); Shenoi, RA (Shenoi, Rajesh A.); Constantinescu, I (Constantinescu, Iren); Kizhakkedathu, JN (Kizhakkedathu, Jayachandran N.)

**Source:** NATURE COMMUNICATIONS **Volume:** 11 **Issue:** 1 **Article Number:** 3048 **DOI:** 10.1038/s41467-020-16772-x **Published:** JUN 16 2020

**Times Cited in Web of Science Core Collection:** 42

**Total Times Cited:** 42

**Accession Number:** WOS:000542988800002

**Addresses:** [Abbina, Srinivas; Takeuchi, Lily E.; Anilkumar, Parambath; Yu, Kai; Constantinescu, Iren; Kizhakkedathu, Jayachandran N.] Univ British Columbia, Ctr Blood Res, Life Sci Inst, Vancouver, BC V6T 1Z3, Canada.

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**ISSN:** 2041-1723

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### **Record 123 of 288**

**Title:** Viscoelastic and thermal properties of natural rubber low-density polyethylene composites with boric acid and borax

**Author(s):** Abdulrahman, ST (Abdulrahman, Sajith Thottathil); Ahmad, Z (Ahmad, Zakiah); Thomas, S (Thomas, Sabu); Maria, HJ (Maria, Hanna J.); Rahman, AA (Rahman, Azerai Ali)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 137 **Issue:** 44 **Article Number:** e49372 **DOI:** 10.1002/app.49372 **Early Access Date:** MAY 2020 **Published:** NOV 20 2020

**Times Cited in Web of Science Core Collection:** 5

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**Accession Number:** WOS:000531911900001

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**ISSN:** 0021-8995

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### **Record 124 of 288**

**Title:** Room temperature ferromagnetism in carbon doped MoO<sub>3</sub> for spintronic applications: A DFT study

**Author(s):** Davis, BA (Davis, Binny A.); Chakraborty, B (Chakraborty, Brahmananda); Kalarikkal, N (Kalarikkal, Nandakumar); Ramaniah, LM (Ramaniah, Lavanya M.)

**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS **Volume:** 502 **Article Number:** 166503 **DOI:** 10.1016/j.jmmm.2020.166503 **Published:** MAY 15 2020

**Times Cited in Web of Science Core Collection:** 18

**Total Times Cited:** 18

**Accession Number:** WOS:000521826900032

**Addresses:** [Davis, Binny A.; Kalarikkal, Nandakumar] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam, Kerala, India.

[Chakraborty, Brahmananda; Ramaniah, Lavanya M.] Bhabha Atom Res Ctr, High Pressure & Synchrotron Radiat Phys Div, Mumbai 400085, Maharashtra, India.

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**E-mail Addresses:** brahma@barc.gov.in

**ISSN:** 0304-8853

**eISSN:** 1873-4766

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### **Record 125 of 288**

**Title:** Roll-to-roll printing of polymer and perovskite solar cells: compatible materials and processes

**Author(s):** Gusain, A (Gusain, Abhay); Thankappan, A (Thankappan, Aparna); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF MATERIALS SCIENCE **Volume:** 55 **Issue:** 28 **Pages:** 13490-13542 **DOI:** 10.1007/s10853-020-04883-1 **Early Access Date:** JUN 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 16

**Total Times Cited:** 17

**Accession Number:** WOS:000543295500001

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**ISSN:** 0022-2461

**eISSN:** 1573-4803

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**Record 126 of 288**

**Title:** The light at the end of the tunnel gets vivid for spinal muscular atrophy An Editorial Highlight for "Cerebrospinal fluid proteomic profiling in nusinersen-treated patients with spinal muscular atrophy" on

**Author(s):** Dutta, D (Dutta, Debashis); Chandra, G (Chandra, Goutam); Mohanakumar, KP (Mohanakumar, Kochupurackal P.)

**Source:** JOURNAL OF NEUROCHEMISTRY **Volume:** 153 **Issue:** 5 **Pages:** 545-548 **DOI:** 10.1111/jnc.14976 **Early Access Date:** MAR 2020 **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000517775200001

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**ISSN:** 0022-3042

**eISSN:** 1471-4159

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**Record 127 of 288**

**Title:** Drought-tolerant and plant growth-promoting endophytic Staphylococcus sp. having synergistic effect with silicate supplementation

**Author(s):** Jayakumar, A (Jayakumar, Aswathy); Krishna, A (Krishna, Arathy); Nair, IC (Nair, Indu C.); Radhakrishnan, EK (Radhakrishnan, E. K.)

**Source:** ARCHIVES OF MICROBIOLOGY **Volume:** 202 **Issue:** 7 **Pages:** 1899-1906 **DOI:** 10.1007/s00203-020-01911-1 **Early Access Date:** MAY 2020 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000535167600006

**Addresses:** [Jayakumar, Aswathy; Radhakrishnan, E. K.] Mahatma Gandhi Univ, Sch Biosci, PD Hills PO, Kottayam 686560, Kerala, India.

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**ISSN:** 0302-8933

**eISSN:** 1432-072X

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**Record 128 of 288**

**Title:** Molecular imprinted polymer-wrapped AgNPs-decorated acid-functionalized graphene oxide as a potent electrochemical sensor for ibuprofen

**Author(s):** Nair, AS (Nair, Archana S.); Sooraj, MP (Sooraj, M. P.)

**Source:** JOURNAL OF MATERIALS SCIENCE **Volume:** 55 **Issue:** 8 **Pages:** 3700-3711 **DOI:** 10.1007/s10853-019-04258-1 **Early Access Date:** DEC 2019 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000500885400004

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**ISSN:** 0022-2461

**eISSN:** 1573-4803

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**Record 129 of 288**

**Title:** Recent studies in Suzuki-Miyaura cross-coupling reactions with the aid of phase transfer catalysts

**Author(s):** Jose, DE (Jose, Diana Elizabeth); Kanchana, US (Kanchana, S. U.); Mathew, TV (Mathew, Thomas V.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** JOURNAL OF ORGANOMETALLIC CHEMISTRY **Volume:** 927 **Article Number:** 121538 **DOI:** 10.1016/j.jorganchem.2020.121538 **Published:** NOV 15 2020

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 14

**Accession Number:** WOS:000579416000005

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**ISSN:** 0022-328X

**eISSN:** 1872-8561

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### Record 130 of 288

**Title:** Removal of beta blockers using polyelectrolyte monolayered membrane and its antifouling performance

**Author(s):** Thomas, JM (Thomas, Jain Maria); Aravindakumar, CT (Aravindakumar, C. T.); Aravind, UK (Aravind, Usha K.)

**Source:** JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY **Volume:** 87 **Pages:** 222-233 **DOI:** 10.1016/j.jiec.2020.04.005 **Published:** JUL 25 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000537353300024

**Addresses:** [Thomas, Jain Maria] Mahatma Gandhi Univ, Sch Chem Sci, PD Hills PO, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** ukaravind@gmail.com

**ISSN:** 1226-086X

**eISSN:** 1876-794X

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### Record 131 of 288

**Title:** Design, Synthesis, Docking and Computational Pharmacokinetic Profiling of New Pyrazolonyl Thiazolinone Biheterocycles as Potent Antimicrobial Agents

**Author(s):** Salian, VV (Salian, Vinutha Vittala); Narayana, B (Narayana, Badiadka); Sarojini, BK (Sarojini, Balladka Kunhanna); Kodandoor, SC (Kodandoor, Sharath Chandra); Lobo, AG (Lobo, Anupam Glorious)

**Source:** LETTERS IN DRUG DESIGN & DISCOVERY **Volume:** 17 **Issue:** 11 **Pages:** 1342-1354 **DOI:** 10.2174/1570180817999200623115049 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000582427000002

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**E-mail Addresses:** nbadiadka@yahoo.co.uk

**ISSN:** 1570-1808

**eISSN:** 1875-628X

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### Record 132 of 288

**Title:** Unravelling the fibrillation mechanism of ovalbumin in the presence of mercury at its isoelectric pH

**Author(s):** Mathew, M (Mathew, Manjumol); Aravindakumar, CT (Aravindakumar, Charuvila T.); Aravind, UK (Aravind, Usha K.)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 28 **Pages:** 16415-16421 **DOI:** 10.1039/c9ra10655c **Published:** APR 28 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000555042000020

**Addresses:** [Mathew, Manjumol] Mahatma Gandhi Univ, Adv Ctr Environm Studies & Sustainable Dev, Kottayam 686560, Kerala, India.

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**eISSN:** 2046-2069

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### **Record 133 of 288**

**Title:** Quorum quenching potential of *Enterococcus faecium* QQ12 isolated from gastrointestinal tract of *Oreochromis niloticus* and its application as a probiotic for the control of *Aeromonas hydrophila* infection in goldfish *Carassius auratus* (Linnaeus 1758)

**Author(s):** Vadassery, DH (Vadassery, Divya Haridas); Pillai, D (Pillai, Devika)

**Source:** BRAZILIAN JOURNAL OF MICROBIOLOGY **Volume:** 51 **Issue:** 3 **Pages:** 1333-1343 **DOI:** 10.1007/s42770-020-00230-3 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 10

**Accession Number:** WOS:000563526000051

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**ISSN:** 1517-8382

**eISSN:** 1678-4405

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### **Record 134 of 288**

**Title:** Effect of double pulse laser irradiation on the dynamics of picosecond laser-produced plasma

**Author(s):** Rao, KH (Rao, Kavya H.); Smijesh, N (Smijesh, N.); Chetty, D (Chetty, D.); Litvinyuk, IV (Litvinyuk, I., V); Sang, RT (Sang, R. T.)

**Source:** PHYSICS OF PLASMAS **Volume:** 27 **Issue:** 8 **Article Number:** 083518 **DOI:** 10.1063/5.0011508 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000558683100001

**Addresses:** [Rao, Kavya H.; Smijesh, N.; Chetty, D.; Litvinyuk, I., V; Sang, R. T.] Griffith Univ, Ctr Quantum Dynam, Australian Attosecond Sci Facil, Nathan, Qld 4111, Australia.

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**ISSN:** 1070-664X

**eISSN:** 1089-7674

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### **Record 135 of 288**

**Title:** Wavelet regularization of Euclidean QED

**Author(s):** Altaisky, MV (Altaisky, Mikhail, V); Raj, R (Raj, Robin)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 12 **Article Number:** 125021 **DOI:** 10.1103/PhysRevD.102.125021 **Published:** DEC 16 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000599093200007

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**ISSN:** 2470-0010

**eISSN:** 2470-0029

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### Record 136 of 288

**Title:** Development of starch based intelligent films by incorporating anthocyanins of butterfly pea flower and TiO<sub>2</sub> and their applicability as freshness sensors for prawns during storage

**Author(s):** Mary, SK (Mary, Siji K.); Koshy, RR (Koshy, Rekha Rose); Daniel, J (Daniel, Jomol); Koshy, JT (Koshy, Jijo Thomas); Pothen, LA (Pothen, Laly A.); Thomas, S (Thomas, Sabu)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 65 **Pages:** 39822-39830 **DOI:** 10.1039/d0ra05986b **Published:** NOV 1 2020

**Times Cited in Web of Science Core Collection:** 29

**Total Times Cited:** 29

**Accession Number:** WOS:000584324000049

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**eISSN:** 2046-2069

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### Record 137 of 288

**Title:** The role of customers' perceived values of integrated resort brands in destination

**Author(s):** Ahn, J (Ahn, Jiseon); Thomas, TK (Thomas, Toney K.)

**Source:** JOURNAL OF DESTINATION MARKETING & MANAGEMENT **Volume:** 15 **Article Number:** 100403 **DOI:** 10.1016/j.jdmm.2019.100403 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 22

**Total Times Cited:** 22

**Accession Number:** WOS:000518872400002

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**ISSN:** 2212-571X

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### Record 138 of 288

**Title:** Sodium alginate passivated CuInS<sub>2</sub>/ZnS QDs encapsulated in the mesoporous channels of amine modified SBA 15 with excellent photostability and biocompatibility

**Author(s):** Varghese, RJ (Varghese, R. Jose); Parani, S (Parani, Sundararajan); Remya, VR (Remya, V. R.); Maluleke, R (Maluleke, Rodney); Thomas, S (Thomas, Sabu); Oluwafemi, OS (Oluwafemi, Oluwatobi S.)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 161 **Pages:** 1470-1474 **DOI:** 10.1016/j.ijbiomac.2020.07.240 **Published:** OCT 15 2020

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 14

**Accession Number:** WOS:000571204500014

**Addresses:** [Varghese, R. Jose; Parani, Sundararajan; Remya, V. R.; Maluleke, Rodney; Oluwafemi, Oluwatobi S.] Univ Johannesburg, Dept Chem Sci, POB 17011, ZA-2028 Johannesburg, South Africa.

[Varghese, R. Jose; Parani, Sundararajan; Remya, V. R.; Maluleke, Rodney; Oluwafemi, Oluwatobi S.] Univ Johannesburg, Ctr Nanomat Sci Res, POB 17011, ZA-2028 Johannesburg, South Africa.

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**E-mail Addresses:** oluwafemi.oluwatobi@gmail.com

**ISSN:** 0141-8130

**eISSN:** 1879-0003

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### Record 139 of 288

**Title:** Electron Spin Relaxation of Tb<sup>3+</sup> and Tm<sup>3+</sup> Ions

**Author(s):** McPeak, J (McPeak, Joseph); Alexander, D (Alexander, Dinu); Joseph, C (Joseph, Cyriac); Eaton, SS (Eaton, Sandra S.); Eaton, GR (Eaton, Gareth R.)

**Source:** APPLIED MAGNETIC RESONANCE **Volume:** 51 **Issue:** 9-10 **Special Issue:** SI **Pages:** 961-976 **DOI:** 10.1007/s00723-020-01262-6 **Early Access Date:** SEP 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000569306400001

**Addresses:** [McPeak, Joseph; Eaton, Sandra S.; Eaton, Gareth R.] Univ Denver, Dept Chem & Biochem, 2101 E Wesley Ave, Denver, CO 80208 USA.

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**ISSN:** 0937-9347

**eISSN:** 1613-7507

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### Record 140 of 288

**Title:** A facile approach for the preparation of polycarbonate nanofiber mat with filtration capability

**Author(s):** Baby, T (Baby, Thomas); Jose, TE (Jose, Tomlal E.); Aravindkumar, CT (Aravindkumar, C. T.); Thomas, JR (Thomas, John Richard)

**Source:** POLYMER BULLETIN **Volume:** 78 **Issue:** 6 **Pages:** 3363-3381 **DOI:** 10.1007/s00289-020-03266-5 **Early Access Date:** JUN 2020 **Published:** JUN 2021

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000542087600001

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**ISSN:** 0170-0839

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### Record 141 of 288

**Title:** Fabrication and functionalization of 3D-printed soft and hard scaffolds with growth factors for enhanced bioactivity

**Author(s):** Jose, J (Jose, Jiya); Sultan, S (Sultan, Sahar); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu); Mathew, AP (Mathew, Aji P.)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 62 **Pages:** 37928-37937 **DOI:** 10.1039/d0ra08295c **Published:** OCT 14 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000583523300041

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**eISSN:** 2046-2069

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### Record 142 of 288

**Title:** An overview of viscoelastic phase separation in epoxy based blends

**Author(s):** Surendran, A (Surendran, Anu); Joy, J (Joy, Jomon); Parameswaranpillai, J (Parameswaranpillai, Jyotishkumar); Anas, S (Anas, S.); Thomas, S (Thomas, Sabu)

**Source:** SOFT MATTER **Volume:** 16 **Issue:** 14 **Pages:** 3363-3377 **DOI:** 10.1039/c9sm02361e **Published:** APR 14 2020

**Times Cited in Web of Science Core Collection:** 17

**Total Times Cited:** 18

**Accession Number:** WOS:000525312600001

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**ISSN:** 1744-683X

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### Record 143 of 288

**Title:** Natural Product-Derived Chiral Pyrrolidine-2,5-diones, Their Molecular Structures and Conversion to Pharmacologically Important Skeletons

**Author(s):** Habel, D (Habel, Deenamma); Nair, DS (Nair, Divya S.); Kallingathodi, Z (Kallingathodi, Zabeera); Mohan, C (Mohan, Chithra); Pillai, SM (Pillai, Sarath M.); Nair, RR (Nair, Rani R.); Thomas, G (Thomas, Grace); Haleema, S (Haleema, Simimole); Gopinath, C (Gopinath, Chithra); Abdul, RV (Abdul, Rinshad, V); Fritz, M (Fritz, Matthew); Puente, AR (Puente, Andrew R.); Johnson, JL (Johnson, Jordan L.); Polavarapu, PL (Polavarapu, Prasad L.); Ibnusaud, I (Ibnusaud, Ibrahim)

**Source:** JOURNAL OF NATURAL PRODUCTS **Volume:** 83 **Issue:** 7 **Pages:** 2178-2190 **DOI:**

10.1021/acs.jnatprod.0c00211 **Published:** JUL 24 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000555517000014

**Addresses:** [Habel, Deenamma; Nair, Divya S.; Kallingathodi, Zabeera; Mohan, Chithra; Pillai, Sarath M.; Nair, Rani R.; Thomas, Grace; Haleema, Simimole; Gopinath, Chithra; Abdul, Rinshad, V; Ibnusaud, Ibrahim] Mahatma Gandhi Univ, Inst Integrated Programmes & Res Basic Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0163-3864

**eISSN:** 1520-6025

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### Record 144 of 288

**Title:** Occurrence, distribution and removal of organic micro-pollutants in a low saline water body

**Author(s):** Sasi, S (Sasi, Subha); Rayaroth, MP (Rayaroth, Manoj P.); Aravindakumar, CT (Aravindakumar, Charuvila T.); Aravind, UK (Aravind, Usha K.)

**Source:** SCIENCE OF THE TOTAL ENVIRONMENT **Volume:** 749 **Article Number:** 141319 **DOI:**

10.1016/j.scitotenv.2020.141319 **Published:** DEC 20 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000581793800014

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**ISSN:** 0048-9697

**eISSN:** 1879-1026

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### Record 145 of 288

**Title:** Flexible FKM/mRGO nanocomposites with excellent thermal, mechanical and electrical properties

**Author(s):** Moni, G (Moni, Grace); Mayeen, A (Mayeen, Anshida); Abraham, J (Abraham, Jiji); Jose, T (Jose, Thomasukutty); Maya, MG (Maya, M. G.); Bhowmik, R (Bhowmik, Rabindranath); George, SC (George, Soney C.)

**Source:** ARABIAN JOURNAL OF CHEMISTRY **Volume:** 13 **Issue:** 1 **Pages:** 2142-2152 **DOI:**

10.1016/j.arabjc.2018.03.015 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000505076000166

**Addresses:** [Moni, Grace; Abraham, Jiji; Jose, Thomasukutty; Maya, M. G.; George, Soney C.] Amal Jyothi Coll Engr, Dept Basic Sci, Ctr Nanosci & Technol, Kottayam, Kerala, India.

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**ISSN:** 1878-5352

**eISSN:** 1878-5379

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### **Record 146 of 288**

**Title:** Fuzzy soft matrices on fuzzy soft multiset and its applications in optimization problems

**Author(s):** Warriar, SC (Warriar, Sreelekshmi C.); Mathew, TJ (Mathew, Terry Jacob); Alcantud, JCR (Alcantud, Jose Carlos R.)

**Source:** JOURNAL OF INTELLIGENT & FUZZY SYSTEMS **Volume:** 38 **Issue:** 2 **Special Issue:** SI **Pages:** 2311-2322 **DOI:** 10.3233/JIFS-191177 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000514081100104

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**ISSN:** 1064-1246

**eISSN:** 1875-8967

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### **Record 147 of 288**

**Title:** Mechanical and thermal properties of ZnO anchored GO reinforced phenol formaldehyde resin

**Author(s):** Sandhya, PK (Sandhya, P. K.); Sreekala, MS (Sreekala, M. S.); Padmanabhan, M (Padmanabhan, Moothetty); Thomas, S (Thomas, Sabu)

**Source:** DIAMOND AND RELATED MATERIALS **Volume:** 108 **Article Number:** 107961 **DOI:** 10.1016/j.diamond.2020.107961 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000571210000011

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**ISSN:** 0925-9635

**eISSN:** 1879-0062

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### **Record 148 of 288**

**Title:** Mercury in the sediments of freshwater lakes in Ny-angstrom lesund, Arctic

**Author(s):** Gopikrishna, VG (Gopikrishna, V. G.); Kannan, VM (Kannan, V. M.); Binish, MB (Binish, M. B.); Shukkur, MA (Abdul Shukkur, M.); Krishnan, KP (Krishnan, K. P.); Mohan, M (Mohan, Mahesh)

**Source:** ENVIRONMENTAL MONITORING AND ASSESSMENT **Volume:** 192 **Issue:** 8 **Article Number:** 538 **DOI:** 10.1007/s10661-020-08511-y **Published:** JUL 23 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000551101800001

**Addresses:** [Gopikrishna, V. G.; Kannan, V. M.; Binish, M. B.; Abdul Shukkur, M.; Mohan, Mahesh] Mahatma Gandhi Univ, Sch Environm Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0167-6369

**eISSN:** 1573-2959

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### Record 149 of 288

**Title:** Transport and solvent sensing characteristics of styrene butadiene rubber nanocomposites containing imidazolium ionic liquid modified carbon nanotubes

**Author(s):** Abraham, J (Abraham, Jiji); Sisanth, KS (Sidhardhan Sisanth, Krishnan); Zachariah, AK (Zachariah, Ajesh Kulamamvila); Mariya, HJ (Mariya, Hanna Joseph); George, SC (George, Soney C.); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 137 **Issue:** 46 **Article Number:** e49429 **DOI:** 10.1002/app.49429 **Early Access Date:** JUN 2020 **Published:** DEC 10 2020

**Times Cited in Web of Science Core Collection:** 8

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**Accession Number:** WOS:000539585700001

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**ISSN:** 0021-8995

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### Record 150 of 288

**Title:** Luminescence enhancement of Eu<sup>3+</sup>-doped multicomponent tellurite glasses by surface plasmon resonance

**Author(s):** Sajna, MS (Sajna, M. S.); Prakashan, VP (Prakashan, V. P.); Sanu, MS (Sanu, M. S.); Vimal, G (Vimal, G.); Biju, PR (Biju, P. R.); Joseph, C (Joseph, Cyriac); Pillai, VPM (Pillai, V. P. Mahadevan); Unnikrishnan, NV (Unnikrishnan, N. V.)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 6 **Pages:** 4972-4985 **DOI:** 10.1007/s10854-020-03064-9 **Early Access Date:** FEB 2020 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000516413000005

**Addresses:** [Sajna, M. S.; Prakashan, V. P.; Sanu, M. S.; Biju, P. R.; Joseph, Cyriac; Unnikrishnan, N. V.] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**E-mail Addresses:** nvu100@yahoo.com

**ISSN:** 0957-4522

**eISSN:** 1573-482X

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### Record 151 of 288

**Title:** Facile Synthesis of Dihydroquinolines via Palladium Catalyzed Sequential Amination and Cyclisation of Morita-Baylis-Hillman Alcohols

**Author(s):** Sruthi, PR (Sruthi, Pambingal Rajan); Sankar, PU (Sankar, P. Uma); Saranya, TV (Saranya, Thachora Venu); Anas, S (Anas, Saithalavi)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 43 **Pages:** 13598-13602 **DOI:** 10.1002/slct.202003413 **Published:** NOV 20 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000590573600023

**Addresses:** [Sruthi, Pambingal Rajan; Saranya, Thachora Venu; Anas, Saithalavi] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam, Kerala, India.

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**ISSN:** 2365-6549

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### **Record 152 of 288**

**Title:** Preparation and characterisation of green clay-polymer nanocomposite for heavy metals removal

**Author(s):** Ravikumar, K (Ravikumar, K.); Udayakumar, J (Udayakumar, J.)

**Source:** CHEMISTRY AND ECOLOGY **Volume:** 36 **Issue:** 3 **Pages:** 270-291 **DOI:**

10.1080/02757540.2020.1723559 **Early Access Date:** FEB 2020 **Published:** MAR 15 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000513118600001

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**ISSN:** 0275-7540

**eISSN:** 1029-0370

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### **Record 153 of 288**

**Title:** Autistic traits and components of the folate metabolic system: an explorative analysis in the eastern Indian ASD subjects

**Author(s):** Saha, S (Saha, Sharmistha); Saha, T (Saha, Tanusree); Sinha, S (Sinha, Swagata); Rajamma, U (Rajamma, Usha); Mukhopadhyay, K (Mukhopadhyay, Kanchan)

**Source:** NUTRITIONAL NEUROSCIENCE **Volume:** 23 **Issue:** 11 **Pages:** 860-867 **DOI:**

10.1080/1028415X.2019.1570442 **Published:** NOV 1 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000579045400003

**Addresses:** [Saha, Sharmistha; Saha, Tanusree; Sinha, Swagata; Rajamma, Usha; Mukhopadhyay, Kanchan]

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**ISSN:** 1028-415X

**eISSN:** 1476-8305

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### **Record 154 of 288**

**Title:** Insights into the Mechanism of Hydroxyl Radical Mediated Oxidations of 2-Aminopurine: A Computational and Sonochemical Product Analysis Study

**Author(s):** Prasanthkumar, KP (Prasanthkumar, Kavanal P.); Rayaroth, MP (Rayaroth, Manoj P.); Alvarez-Idaboy, JR (Alvarez-Idaboy, Juan R.)

**Source:** JOURNAL OF PHYSICAL CHEMISTRY B **Volume:** 124 **Issue:** 29 **Pages:** 6245-6256 **DOI:**

10.1021/acs.jpcc.0c03974 **Published:** JUL 23 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000555505200006

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**ISSN:** 1520-6106

**eISSN:** 1520-5207

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### Record 155 of 288

**Title:** Novel interpenetrating polymeric network based microbeads for delivery of poorly water soluble drug

**Author(s):** Ghosal, K (Ghosal, Kajal); Adak, S (Adak, Sudeshna); Agatemor, C (Agatemor, Christian); Praveen, G (Praveen, G.); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF POLYMER RESEARCH **Volume:** 27 **Issue:** 4 **Article Number:** 98 **DOI:** 10.1007/s10965-020-02077-6 **Published:** MAR 24 2020

**Times Cited in Web of Science Core Collection:** 21

**Total Times Cited:** 21

**Accession Number:** WOS:000522129900002

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**ISSN:** 1022-9760

**eISSN:** 1572-8935

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### Record 156 of 288

**Title:** Strengthened magnetoelectric multiferroic response in (K<sub>0.5</sub>Na<sub>0.5</sub>[Nb<sub>1-x</sub>Fex/2Mnx/2]O<sub>3</sub>) ceramics

**Author(s):** Shalini, K (Shalini, K.); Pappachan, S (Pappachan, Seethal); Mayeen, A (Mayeen, Anshida); Kalarikkal, N (Kalarikkal, Nandakumar); Giridharan, NV (Giridharan, N., V)

**Source:** MATERIALS LETTERS **Volume:** 261 **Article Number:** 126988 **DOI:** 10.1016/j.matlet.2019.126988 **Published:** FEB 15 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000506193100099

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**E-mail Addresses:** giri@nitt.edu

**ISSN:** 0167-577X

**eISSN:** 1873-4979

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### Record 157 of 288

**Title:** Exploration of the mechanism and scope of the CuI/DABCO catalysed C-S coupling reaction

**Author(s):** Thomas, AM (Thomas, Anns Maria); Sherin, DR (Sherin, D. R.); Asha, S (Asha, Sujatha); Manojkuma, TK (Manojkuma, T. K.); Anilkumar, G (Anilkumar, Gopinathan)

**Source:** POLYHEDRON **Volume:** 176 **Article Number:** 114269 **DOI:** 10.1016/j.poly.2019.114269 **Published:** JAN 15 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000517658300011

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### Record 158 of 288

**Title:** Exploring The Effect of Precursors of Polymeric Carbon Nitride Nanosheets on their Photo and Electrocatalytic Applications

**Author(s):** Xavier, MM (Xavier, Marilyn Mary); Mohanapriya, S (Mohanapriya, S.); Divya, KS (Divya, K. S.); Adarsh, NN (Adarsh, Nayarassery N.); Nair, PR (Nair, P. Radhakrishnan); Mathew, S (Mathew, Suresh)

**Source:** CHEMISTRYSELECT **Volume:** 5 **Issue:** 41 **Pages:** 12679-12689 **DOI:** 10.1002/slct.202003541 **Published:** NOV 6 2020

**Times Cited in Web of Science Core Collection:** 2

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**Accession Number:** WOS:000586036200005

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**ISSN:** 2365-6549

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### Record 159 of 288

**Title:** Fabrication of PVA/agar/modified ZSM-5 zeolite membrane for removal of anionic dye from aqueous solution

**Author(s):** Sabarish, R (Sabarish, R.); Jasila, K (Jasila, K.); Aswathy, J (Aswathy, J.); Jyotishkumar, P (Jyotishkumar, P.); Suchart, S (Suchart, S.)

**Source:** INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY **Volume:** 18 **Issue:** 9 **Pages:** 2571-2586 **DOI:** 10.1007/s13762-020-02998-1 **Early Access Date:** NOV 2020 **Published:** SEP 2021

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000590027100004

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**ISSN:** 1735-1472

**eISSN:** 1735-2630

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### Record 160 of 288

**Title:** Corrosion inhibition of mild steel using poly (2-ethyl -2-oxazoline) in 0.1M HCl solution

**Author(s):** Mathew, ZP (Mathew, Zachariah Pulluparampil); Rajan, K (Rajan, Keerthi); Augustine, C (Augustine, Cyril); Joseph, B (Joseph, Bincy); John, S (John, Sam)

**Source:** HELIYON **Volume:** 6 **Issue:** 11 **Article Number:** e05560 **DOI:** 10.1016/j.heliyon.2020.e05560 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000649388700129

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**eISSN:** 2405-8440

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### Record 161 of 288



**Title:** Green Synthesis of Sodium Alginate Capped-CuInS<sub>2</sub> Quantum Dots with Improved Fluorescence Properties  
**Author(s):** Varghese, RJ (Varghese, R. Jose); Parani, S (Parani, Sundararajan); Adeyemi, OO (Adeyemi, Olufemi O.); Remya, VR (Remya, V. R.); Sakho, EM (Sakho, El Hadji Mamour); Maluleke, R (Maluleke, Rodney); Thomas, S (Thomas, Sabu); Oluwafemi, OS (Oluwafemi, Oluwatobi S.)

**Source:** JOURNAL OF FLUORESCENCE **Volume:** 30 **Issue:** 6 **Pages:** 1331-1335 **DOI:** 10.1007/s10895-020-02604-0 **Early Access Date:** AUG 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 9

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**Accession Number:** WOS:000560972100001

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**ISSN:** 1053-0509

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### Record 162 of 288

**Title:** Confinement effects at nanoscale in natural rubber composites: Influence on macroscopic properties

**Author(s):** Patanair, B (Patanair, Bindu); Thomas, S (Thomas, Sabu); Abitha, VK (Abitha, V. K.); Saiter-Fourcin, A (Saiter-Fourcin, Allisson)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 138 **Issue:** 7 **Article Number:** e49838 **DOI:** 10.1002/app.49838 **Early Access Date:** AUG 2020 **Published:** FEB 15 2021

**Times Cited in Web of Science Core Collection:** 7

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**Accession Number:** WOS:000564005400001

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**ISSN:** 0021-8995

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### Record 163 of 288

**Title:** LC-MS analysis of p-aminosalicylic acid under electrospray ionization conditions manifests a profound solvent effect

**Author(s):** Chandran, J (Chandran, Jisha); Zheng, ZY (Zheng, Zhaoyu); Thomas, VI (Thomas, Vibin Ipe); Rajalakshmi, C (Rajalakshmi, C.); Attygalle, AB (Attygalle, Athula B.)

**Source:** ANALYST **Volume:** 145 **Issue:** 15 **Pages:** 5333-5344 **DOI:** 10.1039/d0an00680g **Published:** AUG 7 2020

**Times Cited in Web of Science Core Collection:** 10

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**Accession Number:** WOS:000553659300029

**Addresses:** [Chandran, Jisha] Mahatma Gandhi Univ, Inter Univ Instrumentat Ctr IUIC, Sch Environm Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0003-2654

**Record 164 of 288**

**Title:** Natural carbon-based quantum dots and their applications in drug delivery: A review

**Author(s):** Nair, A (Nair, Akhila); Haponiuk, JT (Haponiuk, Jozef T.); Thomas, S (Thomas, Sabu); Gopi, S (Gopi, Sreeraj)

**Source:** BIOMEDICINE & PHARMACOTHERAPY **Volume:** 132 **Article Number:** 110834 **DOI:** 10.1016/j.biopha.2020.110834 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 84

**Total Times Cited:** 86

**Accession Number:** WOS:000591314400006

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**ISSN:** 0753-3322

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**Record 165 of 288**

**Title:** Maleimide end- capped polyether telechelics as novel toughening agents for unsaturated polyester resin

**Author(s):** Jeemol, PA (Jeemol, P. A.); Mathew, S (Mathew, Suresh); Nair, CPR (Nair, C. P. Reghunadhan)

**Source:** JOURNAL OF POLYMER RESEARCH **Volume:** 27 **Issue:** 10 **Article Number:** 300 **DOI:** 10.1007/s10965-020-02197-z **Published:** SEP 10 2020

**Times Cited in Web of Science Core Collection:** 10

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**Accession Number:** WOS:000572046900001

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**ISSN:** 1022-9760

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**Record 166 of 288**

**Title:** Role of CNT/clay hybrid on the mechanical, electrical and transport properties of NBR/NR blends

**Author(s):** Thomas, S (Thomas, Saliny); Abraham, J (Abraham, Jiji); George, SC (George, Soney C.); Thomas, S (Thomas, Sabu)

**Source:** POLYMER BULLETIN **Volume:** 77 **Issue:** 1 **Pages:** 1-16 **DOI:** 10.1007/s00289-019-02693-3 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 16

**Accession Number:** WOS:000511700600001

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**ISSN:** 0170-0839

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**Record 167 of 288**

**Title:** Phytochemical mediated synthesis of ZnO:Dy<sup>3+</sup> nanophosphors: Judd-Ofelt analysis, structural and spectroscopic properties

**Author(s):** Vasudevan, P (Vasudevan, Prathibha); Vidyadharan, V (Vidyadharan, Viji); Simon, SM (Simon, Sanu Mathew); Unnikrishnan, NV (Unnikrishnan, N., V)

**Source:** JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES **Volume:** 5 **Issue:** 2 **Pages:** 242-249 **DOI:** 10.1016/j.jsamd.2020.05.001 **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000544103000012

**Addresses:** [Vasudevan, Prathibha] St Thomas Coll, Res & Post Grad Dept Phys, Pathanamthitta 689641, Kerala, India. [Vidyadharan, Viji] Univ Kerala, Dept Optoelect, Kariavattom Campus, Thiruvananthapuram 695581, Kerala, India. [Simon, Sanu Mathew; Unnikrishnan, N., V] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India.

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**ISSN:** 2468-2284

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### Record 168 of 288

**Title:** Chemical vapour deposited graphene: substrate pre-treatment, growth and demonstration as a simple graphene-based SERS substrate

**Author(s):** Nalini, S (Nalini, S.); Thomas, S (Thomas, S.); Jayaraj, MK (Jayaraj, M. K.); Sudarsanakumar, C (Sudarsanakumar, C.); Kumar, KR (Kumar, K. R.)

**Source:** BULLETIN OF MATERIALS SCIENCE **Volume:** 43 **Issue:** 1 **Article Number:** 133 **DOI:** 10.1007/s12034-020-02114-6 **Published:** JUN 5 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000538325900001

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**ISSN:** 0250-4707

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### Record 169 of 288

**Title:** The effects of oral administration of curcumin-galactomannan complex on brain waves are consistent with brain penetration: a randomized, double-blinded, placebo-controlled pilot study

**Author(s):** Khanna, A (Khanna, Aman); Das, SS (Das, Syam S.); Kannan, R (Kannan, R.); Swick, AG (Swick, Andrew G.); Matthewman, C (Matthewman, Cristina); Maliakel, B (Maliakel, Balu); Ittiyavirah, SP (Ittiyavirah, Sibi P.); Krishnakumar, IM (Krishnakumar, I. M.)

**Source:** NUTRITIONAL NEUROSCIENCE **Volume:** 25 **Issue:** 6 **Pages:** 1240-1249 **DOI:** 10.1080/1028415X.2020.1853410 **Early Access Date:** DEC 2020 **Published:** JUN 3 2022

**Times Cited in Web of Science Core Collection:** 12

**Total Times Cited:** 12

**Accession Number:** WOS:000597023600001

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**ISSN:** 1028-415X

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### Record 170 of 288

**Title:** Changes in free volume and gas permeation properties of poly(vinyl alcohol) nanocomposite membranes modified using cage-structured polyhedral oligomeric silsesquioxane

**Author(s):** Swapna, VP (Swapna, Valiya Parambath); Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Abhisha,

VS (Abhisha, Vakkoottil Sivadasan); Maria, HJ (Maria, Hanna Joseph); Nambissan, PMG (Nambissan, Padinharu Madathil Gopalakrishnan); Thomas, S (Thomas, Sabu); Stephen, R (Stephen, Ranimol)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 138 **Issue:** 10 **Article Number:** e49953 **DOI:** 10.1002/app.49953 **Early Access Date:** SEP 2020 **Published:** MAR 10 2021

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000571593300001

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**ISSN:** 0021-8995

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### Record 171 of 288

**Title:** Organic modifier induced interfacial transformation, morphology and physico-mechanical properties of PP/NR based blend nanocomposites

**Author(s):** Chandran, N (Chandran, N.); Sarathchandran, C (Sarathchandran, C.); Jose, S (Jose, S.); Thankappan, S (Thankappan, S.); Thomas, S (Thomas, S.)

**Source:** COMPOSITES PART B-ENGINEERING **Volume:** 194 **Article Number:** 108045 **DOI:** 10.1016/j.compositesb.2020.108045 **Published:** AUG 1 2020

**Times Cited in Web of Science Core Collection:** 11

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**Accession Number:** WOS:000535933900010

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**ISSN:** 1359-8368

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### Record 172 of 288

**Title:** Magnetic Fe<sub>3</sub>O<sub>4</sub>-reduced graphene oxide composite decorated with Ag nanoparticles as electrochemical sensor and self-cleaning material for organic pollutants

**Author(s):** Abraham, T (Abraham, Thomas); Rejil, KR (Rejil, K. R.); George, JM (George, Jaise Mariya); Antony, A (Antony, Arun); Pillai, SC (Pillai, Suresh C.); Hinder, SJ (Hinder, Steven J.); Mathew, B (Mathew, Beena)

**Source:** JOURNAL OF POROUS MATERIALS **Volume:** 27 **Issue:** 1 **Pages:** 303-318 **DOI:** 10.1007/s10934-019-00814-x **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 10

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**Accession Number:** WOS:000519741500003

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**ISSN:** 1380-2224

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### Record 173 of 288

**Title:** A comprehensive study on the impact of RGO/MWCNT hybrid filler reinforced polychloroprene rubber

multifunctional nanocomposites

**Author(s):** Maya, MG (Maya, M. G.); Abraham, J (Abraham, Jiji); Arif, PM (Arif, Mohammed P.); Moni, G (Moni, Grace); George, JJ (George, Jinu Jacob); George, SC (George, Soney C.); Thomas, S (Thomas, Sabu)

**Source:** POLYMER TESTING **Volume:** 87 **Article Number:** 106525 **DOI:** 10.1016/j.polymertesting.2020.106525 **Published:** JUL 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 14

**Accession Number:** WOS:000536112900032

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**ISSN:** 0142-9418

**eISSN:** 1873-2348

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### Record 174 of 288

**Title:** Experimental Study on the Flexural Creep Behaviors of Pultruded Unidirectional Carbon/Glass Fiber-Reinforced Hybrid Bars

**Author(s):** Mayookh Lal, H (Mayookh Lal, Hiran); Xian, GJ (Xian, Guijun); Thomas, S (Thomas, Sabu); Zhang, L (Zhang, Lei); Zhang, ZH (Zhang, Zhonghui); Wang, HL (Wang, Huili)

**Source:** MATERIALS **Volume:** 13 **Issue:** 4 **Article Number:** 976 **DOI:** 10.3390/ma13040976 **Published:** FEB 2 2020

**Times Cited in Web of Science Core Collection:** 15

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**Accession Number:** WOS:000520419300167

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**eISSN:** 1996-1944

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### Record 175 of 288

**Title:** Molecular Docking of 4-ethoxychalcones on Oxidoreductase/Pirin Inhibitors and Cytotoxic Evaluation on Breast/Skin Cancer Cell Lines

**Author(s):** Harshitha, KR (Harshitha, Kishori Ramachandra); Sarojini, BK (Sarojini, Balladka Kunhanna); Narayana, B (Narayana, Badiadka); Lobo, AG (Lobo, Anupam Glorious); Kalal, BS (Kalal, Bhuvanesh Sukhlal)

**Source:** LETTERS IN DRUG DESIGN & DISCOVERY **Volume:** 17 **Issue:** 10 **Pages:** 1245-1260 **DOI:** 10.2174/1570180817666200129143803 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000581035300006

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**ISSN:** 1570-1808

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### Record 176 of 288

**Title:** Investigations on SPR induced Cu@Ag core shell doped SiO<sub>2</sub>-TiO<sub>2</sub>-ZrO<sub>2</sub> fiber optic sensor for mercury detection

**Author(s):** Prakashan, VP (Prakashan, V. P.); George, G (George, Gejo); Sanu, MS (Sanu, M. S.); Sajna, MS (Sajna, M. S.); Saritha, AC (Saritha, A. C.); Sudarsanakumar, C (Sudarsanakumar, C.); Biju, PR (Biju, P. R.); Joseph, C (Joseph,

Cyriac); Unnikrishnan, NV (Unnikrishnan, N., V)

**Source:** APPLIED SURFACE SCIENCE **Volume:** 507 **Article Number:** 144957 **DOI:** 10.1016/j.apsusc.2019.144957 **Published:** MAR 30 2020

**Times Cited in Web of Science Core Collection:** 23

**Total Times Cited:** 23

**Accession Number:** WOS:000520021200027

**Addresses:** [Prakashan, V. P.; George, Gejo; Sanu, M. S.; Sajna, M. S.; Saritha, A. C.; Sudarsanakumar, C.; Biju, P. R.; Joseph, Cyriac; Unnikrishnan, N., V] Mahatma Gandhi Univ, Sch Pure & Appl Phys, Kottayam 686560, Kerala, India. [George, Gejo] Lulea Univ Technol, Dept Engr Sci & Math, Div Mat Sci, S-97187 Lulea, Sweden. [Sajna, M. S.] Univ Kerala, Dept Optoelect, Thiruvananthapuram 695581, Kerala, India.

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**ISSN:** 0169-4332

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### Record 177 of 288

**Title:** Halide-induced dissolution of lead(IV) oxide in frozen solution

**Author(s):** Menacherry, SPM (Menacherry, Sunil Paul M.); Min, DW (Min, Dae Wi); Jeong, D (Jeong, Daun); Aravindakumar, CT (Aravindakumar, Charuvila T.); Lee, W (Lee, Woojin); Choi, W (Choi, Wonyong)

**Source:** JOURNAL OF HAZARDOUS MATERIALS **Volume:** 384 **Article Number:** 121298 **DOI:** 10.1016/j.jhazmat.2019.121298 **Published:** FEB 15 2020

**Times Cited in Web of Science Core Collection:** 3

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**Accession Number:** WOS:000535561100080

**Addresses:** [Menacherry, Sunil Paul M.; Min, Dae Wi; Jeong, Daun; Choi, Wonyong] Pohang Univ Sci & Technol POSTECH, Div Environm Sci & Engr, Pohang 37673, South Korea. [Menacherry, Sunil Paul M.; Aravindakumar, Charuvila T.] Mahatma Gandhi Univ, Sch Environm Sci, Kottayam, Kerala, India. [Lee, Woojin] Nazarbayev Univ, Dept Civil & Environm Engr, Astana 010000, Kazakhstan.

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**ISSN:** 0304-3894

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### Record 178 of 288

**Title:** Effect of Hexamethyldisilazane-Modified Nano Fumed Silica on the Properties of Epoxy/Carboxyl-Terminated Poly(butadiene-co-acrylonitrile) Blend: A New Hybrid Approach

**Author(s):** Padinjakkara, A (Padinjakkara, Aneesa); Salim, N (Salim, Nisa); Thomas, S (Thomas, Sabu)

**Source:** INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH **Volume:** 59 **Issue:** 7 **Pages:** 2883-2891 **DOI:** 10.1021/acs.iecr.9b04652 **Published:** FEB 19 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000515213800023

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**ISSN:** 0888-5885

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### Record 179 of 288

**Title:** Preparation, characterization and antimicrobial activity of polyvinyl alcohol/gum arabic/chitosan composite films incorporated with black pepper essential oil and ginger essential oil

**Author(s):** Amalraj, A (Amalraj, Augustine); Haponiuk, JT (Haponiuk, Jozef T.); Thomas, S (Thomas, Sabu); Gopi, S (Gopi, Sreeraj)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 151 **Pages:** 366-375 **DOI:** 10.1016/j.ijbiomac.2020.02.176 **Published:** MAY 15 2020

**Times Cited in Web of Science Core Collection:** 100

**Total Times Cited:** 101

**Accession Number:** WOS:000528267400037

**Addresses:** [Amalraj, Augustine; Gopi, Sreeraj] Aurea Biolabs P Ltd, R&D Ctr, Cochin 682311, Kerala, India.  
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**ISSN:** 0141-8130

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### **Record 180 of 288**

**Title:** L-Ascorbic Acid and alpha-Tocopherol Synergistically Triggers Apoptosis Inducing Antileukemic Effects of Arsenic Trioxide via Oxidative Stress in Human Acute Promyelocytic Leukemia Cells

**Author(s):** Vineetha, RC (Vineetha, Radhakrishnan Chandraprabha); Hariharan, S (Hariharan, Sreedharan); Jaleel, A (Jaleel, Abdul); Chandran, M (Chandran, Mahesh); Nair, RH (Nair, Raveendran Harikumar)

**Source:** FRONTIERS IN ONCOLOGY **Volume:** 10 **Article Number:** 65 **DOI:** 10.3389/fonc.2020.00065 **Published:** FEB 21 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000523479800001

**Addresses:** [Vineetha, Radhakrishnan Chandraprabha; Nair, Raveendran Harikumar] Mahatma Gandhi Univ, Sch Biosci, Physiol Res Lab, Kottayam, Kerala, India.  
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**ISSN:** 2234-943X

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### **Record 181 of 288**

**Title:** Microstructural features affecting mechanical properties: Effect of processing on dispersion of carbon black (N220) nanoparticles reinforcement in poly (lactic acid)

**Author(s):** Rane, AV (Rane, Ajay Vasudeo); Kanny, K (Kanny, Krishnan); Mathew, A (Mathew, Anitha); Pandurangan, MT (Pandurangan, Mohan Turup); Thomas, S (Thomas, Sabu)

**Source:** SURFACES AND INTERFACES **Volume:** 18 **Article Number:** 100451 **DOI:** 10.1016/j.surfin.2020.100451 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000540774600005

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**ISSN:** 2468-0230

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### **Record 182 of 288**

**Title:** Dust acoustic solitary waves in a five component cometary plasma with dust charge variation

**Author(s):** Neethu, TW (Neethu, T. W.); Shilpa, S (Shilpa, S.); Saritha, AC (Saritha, A. C.); Philip, NS (Philip, N. S.); Venugopal, C (Venugopal, C.)

**Source:** RADIATION EFFECTS AND DEFECTS IN SOLIDS **Volume:** 176 **Issue:** 3-4 **Pages:** 284-299 **DOI:** 10.1080/10420150.2020.1825959 **Early Access Date:** OCT 2020 **Published:** MAR 26 2021

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000574210400001

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**ISSN:** 1042-0150

**eISSN:** 1029-4953

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### Record 183 of 288

**Title:** Enhancement of Growth and Yield of Rice (*Oryza Sativa*) by Plant Probiotic Endophyte, *Lysinibacillus sphaericus* under Greenhouse Conditions

**Author(s):** Shabanamol, S (Shabanamol, S.); Varghese, EM (Varghese, Edna Mary); Thampi, M (Thampi, Meenu); Karthika, S (Karthika, S.); Sreekumar, J (Sreekumar, J.); Jisha, MS (Jisha, M. S.)

**Source:** COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS **Volume:** 51 **Issue:** 9 **Pages:** 1268-1282 **DOI:** 10.1080/00103624.2020.1751190 **Early Access Date:** APR 2020 **Published:** MAY 14 2020

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Accession Number:** WOS:000531931800001

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**ISSN:** 0010-3624

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### Record 184 of 288

**Title:** Durability of an Epoxy Resin and Its Carbon Fiber-Reinforced Polymer Composite upon Immersion in Water, Acidic, and Alkaline Solutions

**Author(s):** Uthaman, A (Uthaman, Arya); Xian, GJ (Xian, Guijun); Thomas, S (Thomas, Sabu); Wang, YJ (Wang, Yunjia); Zheng, Q (Zheng, Qiang); Liu, Xl (Liu, Xiaoling)

**Source:** POLYMERS **Volume:** 12 **Issue:** 3 **Article Number:** 614 **DOI:** 10.3390/polym12030614 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 54

**Total Times Cited:** 54

**Accession Number:** WOS:000525952000113

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**eISSN:** 2073-4360

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### Record 185 of 288

**Title:** Natural rubber nanocomposites with MWCNT@POSS hybrid filler: Preparation and properties

**Author(s):** Somasekharan, L (Somasekharan, Lakshmipriya); Xavier, P (Xavier, Priti); Bose, S (Bose, Suryasarathi); Zachariah, AK (Zachariah, Ajesh K.); Kalarikkal, N (Kalarikkal, Nandakumar); Kumar, SA (Kumar, S. Anil); Thomas, S (Thomas, Sabu)

**Source:** POLYMER COMPOSITES **Volume:** 41 **Issue:** 1 **Pages:** 369-380 **DOI:** 10.1002/pc.25376 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 9

**Accession Number:** WOS:000505616700032

**Addresses:** [Somasekharan, Lakshmipriya; Kalarikkal, Nandakumar; Thomas, Sabu] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotech, Kottayam, Kerala, India.

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**ISSN:** 0272-8397

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### Record 186 of 288

**Title:** Community resilience mechanism in an unexpected extreme weather event: An analysis of the Kerala floods of 2018, India

**Author(s):** Joseph, JK (Joseph, Joice K.); Anand, D (Anand, Dev); Prajeesh, P (Prajeesh, P.); Zacharias, A (Zacharias, Anand); Varghese, AG (Varghese, Anu George); Pradeepkumar, AP (Pradeepkumar, A. P.); Baiju, KR (Baiju, K. R.)

**Source:** INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION **Volume:** 49 **Article Number:** 101741 **DOI:** 10.1016/j.ijdr.2020.101741 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 20

**Total Times Cited:** 20

**Accession Number:** WOS:000572973300008

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**ISSN:** 2212-4209

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### Record 187 of 288

**Title:** Pilgrim Satisfaction in a Mass Religious Gathering: Study from Sabarimala Destination, Kerala State of India

**Author(s):** Joseph, JK (Joseph, Joice K.); Ambady, KG (Ambady, K. G.); Dev, KA (Dev, Karunakaran Akhil); Hsu, EB (Hsu, Edbert B.); Pradeepkumar, AP (Pradeepkumar, A. P.)

**Source:** JOURNAL OF RELIGION & HEALTH **Volume:** 59 **Issue:** 4 **Pages:** 1713-1727 **DOI:** 10.1007/s10943-019-00814-w **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000547894900003

**Addresses:** [Joseph, Joice K.; Dev, Karunakaran Akhil] Mahatma Gandhi Univ, Sch Environm Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0022-4197

**eISSN:** 1573-6571

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### Record 188 of 288

**Title:** Analysis of diffusion characteristics for aromatic solvents through carbon black filled natural rubber/ butadiene rubber blends

**Author(s):** Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Rane, AV (Rane, Ajay Vasudeo); Jackson, S (Jackson, Stefan); Thomas, S (Thomas, Sabu)

**Source:** POLYMER COMPOSITES **Volume:** 42 **Issue:** 1 **Pages:** 375-396 **DOI:** 10.1002/pc.25832 **Early Access Date:** OCT 2020 **Published:** JAN 2021

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000575483800001

**Addresses:** [Kaliyathan, Abitha Vayyaprontavida; Thomas, Sabu] Mahatma Gandhi Univ, Sch Chem Sci, Kottayam 686560, Kerala, India.

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**ISSN:** 0272-8397

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### **Record 189 of 288**

**Title:** Sodium itaconate grafted nanocellulose for facile elimination of lead ion from water

**Author(s):** Vadakkekara, GJ (Vadakkekara, Georgi J.); Thomas, S (Thomas, Sabu); Nair, CPR (Nair, C. P. Reghunadhan)

**Source:** CELLULOSE **Volume:** 27 **Issue:** 6 **Pages:** 3233-3248 **DOI:** 10.1007/s10570-020-02983-4 **Early Access**

**Date:** FEB 2020 **Published:** APR 2020

**Times Cited in Web of Science Core Collection:** 20

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**Accession Number:** WOS:000511073600002

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**ISSN:** 0969-0239

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### **Record 190 of 288**

**Title:** Drought tolerant bacterial endophytes with potential plant probiotic effects from Ananas comosus

**Author(s):** Jayakumar, A (Jayakumar, Aswathy); Padmakumar, P (Padmakumar, Pooja); Nair, IC (Nair, Indu C.); Radhakrishnan, EK (Radhakrishnan, E. K.)

**Source:** BIOLOGIA **Volume:** 75 **Issue:** 10 **Pages:** 1769-1778 **DOI:** 10.2478/s11756-020-00483-1 **Early Access**

**Date:** MAY 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 14

**Accession Number:** WOS:000530217200001

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**ISSN:** 0006-3088

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### **Record 191 of 288**

**Title:** Preparation, characterization, and antimicrobial activity of chitosan/gum arabic/polyethylene glycol composite films incorporated with black pepper essential oil and ginger essential oil as potential packaging and wound dressing materials

**Author(s):** Amalraj, A (Amalraj, Augustine); Raj, KKJ (Raj, K. K. Jithin); Haponiuk, JT (Haponiuk, Jozef T.); Thomas, S (Thomas, Sabu); Gopi, S (Gopi, Sreeraj)

**Source:** ADVANCED COMPOSITES AND HYBRID MATERIALS **Volume:** 3 **Issue:** 4 **Pages:** 485-497 **DOI:** 10.1007/s42114-020-00178-w **Early Access Date:** SEP 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 40

**Total Times Cited:** 40

**Accession Number:** WOS:000573479300001

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**ISSN:** 2522-0128

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### Record 192 of 288

**Title:** Synthesis, crystal structure and electron density analysis of a sulfanyl 2-pyridone analogue: Tautomeric preference and conformation locking by S center dot center dot center dot O chalcogen bonding

**Author(s):** Menon, PK (Menon, Prasanth K.); Krishnaraj, KU (Krishnaraj, K. U.); Anabha, ER (Anabha, E. R.); Devaky, KS (Devaky, K. S.); Thomas, SP (Thomas, Sajesh P.)

**Source:** JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1222 **Article Number:** 128798 **DOI:** 10.1016/j.molstruc.2020.128798 **Published:** DEC 15 2020

**Times Cited in Web of Science Core Collection:** 3

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**Accession Number:** WOS:000587467200006

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**ISSN:** 0022-2860

**eISSN:** 1872-8014

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### Record 193 of 288

**Title:** Cardiovascular Risk Prediction using JBS3 Tool: A Kerala based Study

**Author(s):** Paul, P (Paul, Paulin); George, N (George, Noel); Shan, BP (Shan, B. Priestly)

**Source:** CURRENT MEDICAL IMAGING **Volume:** 16 **Issue:** 10 **Pages:** 1300-1322 **DOI:** 10.2174/1573405616666200103144559 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000780180300003

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**ISSN:** 1573-4056

**eISSN:** 1875-6603

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### Record 194 of 288

**Title:** CuNPs decorated molecular imprinted polymer on MWCNT for the electrochemical detection of L-DOPA

**Author(s):** Sooraj, MP (Sooraj, M. P.); Nair, AS (Nair, Archana S.); Pillai, SC (Pillai, Suresh C.); Hinder, SJ (Hinder, Steven J.); Mathew, B (Mathew, Beena)

**Source:** ARABIAN JOURNAL OF CHEMISTRY **Volume:** 13 **Issue:** 1 **Pages:** 2483-2495 **DOI:** 10.1016/j.arabjc.2018.06.002 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 13

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**Accession Number:** WOS:000505076000193

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**ISSN:** 1878-5352

**eISSN:** 1878-5379

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**Record 195 of 288**

**Title:** Viscoelastic and electrical properties of RGO reinforced phenol formaldehyde nanocomposites

**Author(s):** Sandhya, PK (Sandhya, Pattoorpaday Krishnan); Sreekala, MS (Sreekala, M. S.); Xian, GJ (Xian, Guijun); Padmanabhan, M (Padmanabhan, Moothetty); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 137 **Issue:** 40 **Article Number:** e49211 **DOI:** 10.1002/app.49211 **Early Access Date:** MAR 2020 **Published:** OCT 20 2020

**Times Cited in Web of Science Core Collection:** 10

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**Accession Number:** WOS:000521808800001

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**ISSN:** 0021-8995

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**Record 196 of 288**

**Title:** Catalytic degradation of beta-hematin (malaria biomarker) using some selected metal oxide nanoparticles

**Author(s):** Obisesan, OR (Obisesan, Olaoluwa Ruth); Adekunle, AS (Adekunle, Abolanle Saheed); Oyekunle, JAO (Oyekunle, John Adekunle O.); Ogunfowokan, AO (Ogunfowokan, Aderemi Okunola); Olaniran, O (Olaniran, Olarinde); Thomas, S (Thomas, Sabu); Nkambule, TTI (Nkambule, Thabo T., I); Mamba, BB (Mamba, Bhekhe B.)

**Source:** MATERIALS RESEARCH EXPRESS **Volume:** 7 **Issue:** 1 **Article Number:** 015044 **DOI:** 10.1088/2053-1591/ab6645 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000520099400001

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**eISSN:** 2053-1591

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**Record 197 of 288**

**Title:** Effect of freeze-dried durian skin nanofiber on the physical properties of poly(lactic acid) biocomposites

**Author(s):** Nordin, NM (Mohd Nordin, Nurfarahin); Anuar, H (Anuar, Hazleen); Buys, YF (Buys, Yose Fachmi); Ali, F (Ali, Fathilah); Thomas, S (Thomas, Sabu); Nasir, NAM (Mohd Nasir, Nur Aimi)

**Source:** POLYMER COMPOSITES **Volume:** 42 **Issue:** 2 **Pages:** 842-848 **Article Number:** e25869 **DOI:** 10.1002/pc.25869 **Early Access Date:** NOV 2020 **Published:** FEB 2021

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000587570700001

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**ISSN:** 0272-8397

**eISSN:** 1548-0569

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**Record 198 of 288**

**Title:** Dysprosium-substitution-induced structural changes of multiferroic nanocrystalline bismuth ferrite and the investigation through positron annihilation and other studies

**Author(s):** Cyriac, J (Cyriac, Jincemon); Augustine, S (Augustine, Saji); Kalarikkal, N (Kalarikkal, Nandakumar); Mukherjee, S (Mukherjee, Shubharaj); Ahmed, M (Ahmed, Maudud); Nambissan, PMG (Nambissan, P. M. G.)

**Source:** PHYSICA B-CONDENSED MATTER **Volume:** 599 **Article Number:** 412431 **DOI:** 10.1016/j.physb.2020.412431 **Published:** DEC 15 2020

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Accession Number:** WOS:000583242600002

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**ISSN:** 0921-4526

**eISSN:** 1873-2135

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### Record 199 of 288

**Title:** Transformation of essential minerals into tablet formulation with enhanced stability

**Author(s):** Rajakumari, R (Rajakumari, R.); Volova, T (Volova, Tatiana); Oluwafemi, OS (Oluwafemi, Oluwatobi Samuel); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** ADVANCED POWDER TECHNOLOGY **Volume:** 31 **Issue:** 7 **Pages:** 2806-2819 **DOI:** 10.1016/j.appt.2020.05.008 **Published:** JUL 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000548824800006

**Addresses:** [Rajakumari, R.; Thomas, Sabu; Kalarikkal, Nandakumar] Mahatma Gandhi Univ, Int & Interuniv Ctr Nanosci & Nanotechnol, Kottayam 686560, Kerala, India.

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**ISSN:** 0921-8831

**eISSN:** 1568-5527

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### Record 200 of 288

**Title:** Relative Estimate of Revised Cardiovascular Risk Combining Traditional and Non-traditional Image-based CV Markers: A Kerala Based Study

**Author(s):** Paul, P (Paul, Paulin); George, N (George, Noel); Shan, BP (Shan, B. Priestly)

**Source:** CURRENT MEDICAL IMAGING **Volume:** 16 **Issue:** 9 **Pages:** 1131-1153 **DOI:** 10.2174/1573405616666200218125539 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000599837400008

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**ISSN:** 1573-4056

**eISSN:** 1875-6603

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### Record 201 of 288

**Title:** A mathematical framework on Cattaneo-Christov model over an incessant moving needle

**Author(s):** Reddy, MG (Reddy, M. Ganeswara); Kumari, PV (Kumari, P. Vijaya); Reddy, GU (Reddy, G. Upender);

Kumar, KG (Kumar, K. Ganesh); Prasannakumara, BC (Prasannakumara, B. C.)

**Source:** MULTIDISCIPLINE MODELING IN MATERIALS AND STRUCTURES **Volume:** 17 **Issue:** 1 **Pages:** 167-180 **DOI:** 10.1108/MMMS-01-2020-0012 **Early Access Date:** JUN 2020 **Published:** JAN 4 2021

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000544366400001

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**ISSN:** 1573-6105

**eISSN:** 1573-6113

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### Record 202 of 288

**Title:** Neurocognitive Investigation of Morinda tinctoria against Amyloid Beta-Induced Oxidative Insult and Cognitive Impairment in Albino Mice: A Phytotherapeutic Approach

**Author(s):** Sivaraman, D (Sivaraman, D.); Arun, M (Arun, M.); Kannan, R (Kannan, R.); Pradeep, PS (Pradeep, P. S.); Muralidharan, P (Muralidharan, P.)

**Source:** PHARMACOGNOSY MAGAZINE **Volume:** 16 **Issue:** 70 **Pages:** S255-S262 **DOI:** 10.4103/pm.pm\_284\_19 **Published:** APR 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000598744200004

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**ISSN:** 0973-1296

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### Record 203 of 288

**Title:** Ecosystem Carbon Stock of Selected Mangrove Forests of Vypin - Cochin Region, Southwest Coast of India

**Author(s):** ShyleshChandran, MS (ShyleshChandran, M. S.); Ravi, A (Ravi, Arun); John, SM (John, Sheffy Molly); Sivan, S (Sivan, Silpa); Asha, MS (Asha, M. S.); Mammen, PC (Mammen, Pratheesh C.); Kumar, KJS (Kumar, K. J. Sajith); Sruthi, SN (Sruthi, S. N.)

**Source:** WETLANDS **Volume:** 40 **Issue:** 6 **Pages:** 2263-2273 **DOI:** 10.1007/s13157-020-01365-7 **Early Access Date:** SEP 2020 **Published:** DEC 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000568109400002

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**ISSN:** 0277-5212

**eISSN:** 1943-6246

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### Record 204 of 288

**Title:** Role of environmental factors on nitrogen fixation rate in a tropical estuary (southwest coast of India)

**Author(s):** Yousuf, J (Yousuf, Jesmi); Thajudeen, J (Thajudeen, Jabir); Vipindas, PV (Vipindas, P. V.); Varghese, A (Varghese, Abin); Hatha, AAM (Hatha, Mohamed A. A.)

**Source:** REGIONAL STUDIES IN MARINE SCIENCE **Volume:** 38 **Article Number:** 101383 **DOI:** 10.1016/j.rsma.2020.101383 **Published:** JUL 2020

**Times Cited in Web of Science Core Collection: 1**

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**Accession Number:** WOS:000567896900003

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**ISSN:** 2352-4855

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### **Record 205 of 288**

**Title:** Defects characterisation and studies of structural properties of sol-gel synthesised MgFe<sub>2</sub>O<sub>4</sub> nanocrystals through positron annihilation and supportive spectroscopic methods

**Author(s):** Abraham, AR (Abraham, Ann Rose); Raneesh, B (Raneesh, B.); Nambissan, PMG (Nambissan, P. M. G.); Sanyal, D (Sanyal, D.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** PHILOSOPHICAL MAGAZINE **Volume:** 100 **Issue:** 1 **Pages:** 32-61 **DOI:** 10.1080/14786435.2019.1668576 **Early Access Date:** SEP 2019 **Published:** JAN 2 2020

**Times Cited in Web of Science Core Collection: 4**

**Total Times Cited: 4**

**Accession Number:** WOS:000488072000001

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**ISSN:** 1478-6435

**eISSN:** 1478-6443

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### **Record 206 of 288**

**Title:** Enhancement in electrical conductivity and dynamic mechanical properties of resole resin with ZnO-RGO as nanofiller

**Author(s):** Sandhya, PK (Sandhya, P. K.); Sreekala, MS (Sreekala, M. S.); Xian, GJ (Xian, Guijun); Padmanabhan, M (Padmanabhan, Moothetty); Thomas, S (Thomas, Sabu)

**Source:** DIAMOND AND RELATED MATERIALS **Volume:** 108 **Article Number:** 107934 **DOI:** 10.1016/j.diamond.2020.107934 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection: 4**

**Total Times Cited: 4**

**Accession Number:** WOS:000570170000008

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**ISSN:** 0925-9635

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### **Record 207 of 288**

**Title:** Second harmonic scattering from mass characterized 2D graphene oxide sheets

**Author(s):** Russier-Antoine, I (Russier-Antoine, Isabelle); Fakhouri, H (Fakhouri, Hussein); Basu, S (Basu, Srestha); Bertorelle, F (Bertorelle, Franck); Dugourd, P (Dugourd, Philippe); Brevet, PF (Brevet, Pierre-Francois); Velayudhan, P (Velayudhan, Prajitha); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Antoine, R (Antoine, Rodolphe)

**Source:** CHEMICAL COMMUNICATIONS **Volume:** 56 **Issue:** 27 **Pages:** 3859-3862 **DOI:**

10.1039/d0cc00111b **Published:** APR 7 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000526699300005

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**ISSN:** 1359-7345

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### **Record 208 of 288**

**Title:** Diversity and activity of culturable nitrogen fixing heterotrophic bacteria from estuarine and coastal environments of Southeastern Arabian Sea (SEAS)

**Author(s):** Yousuf, J (Yousuf, Jesmi); Thajudeen, J (Thajudeen, Jabir); Aneesa, PA (Aneesa, P. A.); Joseph, A (Joseph, Ajith); Divya, PS (Divya, P. S.); Varghese, A (Varghese, Abin); Hatha, AAM (Hatha, Mohamed A. A.)

**Source:** REGIONAL STUDIES IN MARINE SCIENCE **Volume:** 33 **Article Number:** 100973 **DOI:**

10.1016/j.rsma.2019.100973 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Accession Number:** WOS:000512766500041

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**ISSN:** 2352-4855

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### **Record 209 of 288**

**Title:** Protein loading studies using polyelectrolyte microcapsules

**Author(s):** Thomas, JM (Thomas, Jain Maria); Aravindakumar, CT (Aravindakumar, C. T.); Aravind, UK (Aravind, Usha K.)

**Source:** INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS **Volume:**

69 **Issue:** 18 **Pages:** 1149-1156 **DOI:** 10.1080/00914037.2019.1667803 **Early Access Date:** SEP 2019 **Published:** DEC 11 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

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**ISSN:** 0091-4037

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### **Record 210 of 288**

**Title:** Polyurethane glycolysate from industrial waste recycling to develop low dielectric constant, thermally stable materials suitable for the electronics

**Author(s):** Reghunadhan, A (Reghunadhan, Arunima); Datta, J (Datta, Janusz); Jaroszewski, M (Jaroszewski, Maciej); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)



**Source:** ARABIAN JOURNAL OF CHEMISTRY **Volume:** 13 **Issue:** 1 **Pages:** 2110-2120 **DOI:** 10.1016/j.arabjc.2018.03.012 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 13

**Total Times Cited:** 14

**Accession Number:** WOS:000505076000163

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**ISSN:** 1878-5352

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### **Record 211 of 288**

**Title:** Green Synthesis of Silver Nanoparticles Using *Nymphae odorata* Extract Incorporated Films and Antimicrobial Activity

**Author(s):** Gudimalla, A (Gudimalla, Apparao); Jose, J (Jose, Jiya); Varghese, RJ (Varghese, Rajendran Jose); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF POLYMERS AND THE ENVIRONMENT **Volume:** 29 **Issue:** 5 **Pages:** 1412-1423 **DOI:** 10.1007/s10924-020-01959-6 **Early Access Date:** NOV 2020 **Published:** MAY 2021

**Times Cited in Web of Science Core Collection:** 23

**Total Times Cited:** 23

**Accession Number:** WOS:000589574900001

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**ISSN:** 1566-2543

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### **Record 212 of 288**

**Title:** Effects of Processing Parameters of 3D Bioprinting on the Cellular Activity of Bioinks

**Author(s):** Adhikari, J (Adhikari, Jaideep); Roy, A (Roy, Avinava); Das, A (Das, Anindya); Ghosh, M (Ghosh, Manojit); Thomas, S (Thomas, Sabu); Sinha, A (Sinha, Arijit); Kim, J (Kim, Jinku); Saha, P (Saha, Prosenjit)

**Source:** MACROMOLECULAR BIOSCIENCE **Volume:** 21 **Issue:** 1 **Article Number:** 2000179 **DOI:** 10.1002/mabi.202000179 **Early Access Date:** OCT 2020 **Published:** JAN 2021

**Times Cited in Web of Science Core Collection:** 31

**Total Times Cited:** 31

**Accession Number:** WOS:000574998600001

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**ISSN:** 1616-5187

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**Record 213 of 288**

**Title:** Carboxymethylcellulose hybrid nanodispersions for edible coatings with potential anti-cancer properties

**Author(s):** Joshy, KS (Joshy, K. S.); Augustine, R (Augustine, Robin); Li, TD (Li, Tianduo); Snigdha, S (Snigdha, S.); Hasan, A (Hasan, Anwarul); Komalan, C (Komalan, Ciby); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 157 **Pages:** 350-358 **DOI:** 10.1016/j.ijbiomac.2020.04.175 **Published:** AUG 15 2020

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**Accession Number:** WOS:000541109300037

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**ISSN:** 0141-8130

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**Record 214 of 288**

**Title:** Sonochemical degradation of benzenesulfonic acid in aqueous medium

**Author(s):** Thomas, S (Thomas, Shoniya); Rayaroth, MP (Rayaroth, Manoj P.); Menacherry, SPM (Menacherry, Sunil Paul M.); Aravind, UK (Aravind, Usha K.); Aravindakumar, CT (Aravindakumar, Charuvila T.)

**Source:** CHEMOSPHERE **Volume:** 252 **Article Number:** 126485 **DOI:** 10.1016/j.chemosphere.2020.126485 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 8

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**Record 215 of 288**

**Title:** Magnetically recoverable Ir/IrO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub> core/SiO<sub>2</sub> shell catalyst for the reduction of organic pollutants in water

**Author(s):** Thekkathu, R (Thekkathu, Ramani); Ashok, D (Ashok, Devika); Ramkollath, PK (Ramkollath, Pravisha K.); Neelakandapillai, S (Neelakandapillai, Sandhyarani); Kurishunkal, LP (Kurishunkal, Leon Prasanth); Yadav, MSP (Yadav, M. S. Priyanka); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** CHEMICAL PHYSICS LETTERS **Volume:** 742 **Article Number:** 137147 **DOI:** 10.1016/j.cplett.2020.137147 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 9

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**Accession Number:** WOS:000514221000022

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### Record 216 of 288

**Title:** Facile fabrication of microporous polypropylene membrane separator for lithium-ion batteries

**Author(s):** Bicy, K (Bicy, K.); Kalarikkal, N (Kalarikkal, Nandakumar); Stephen, AM (Stephen, Arul Manuel); Rouxel, D (Rouxel, Didier); Thomas, S (Thomas, Sabu)

**Source:** MATERIALS CHEMISTRY AND PHYSICS **Volume:** 255 **Article Number:** 123473 **DOI:** 10.1016/j.matchemphys.2020.123473 **Published:** NOV 15 2020

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### Record 217 of 288

**Title:** Influence of beta-cyclodextrin complexation on photochemistry of bisphenols in aqueous solutions

**Author(s):** Salomatova, VA (Salomatova, Victoria A.); Pozdnyakov, IP (Pozdnyakov, Ivan P.); Sherin, PS (Sherin, Peter S.); Devadasan, D (Devadasan, Dineep); Aravindakumar, CT (Aravindakumar, Charuvila T.); Grivin, VP (Grivin, Vjacheslav P.); Plyusnin, VF (Plyusnin, Victor F.)

**Source:** MENDELEEV COMMUNICATIONS **Volume:** 30 **Issue:** 4 **Pages:** 439-441 **DOI:** 10.1016/j.mencom.2020.07.011 **Published:** JUL-AUG 2020

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**Addresses:** [Salomatova, Victoria A.; Pozdnyakov, Ivan P.; Grivin, Vjacheslav P.; Plyusnin, Victor F.] Russian Acad Sci, Siberian Branch, VV Voevosky Inst Chem Kinet & Combust, Novosibirsk 630090, Russia.

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**ISSN:** 0959-9436

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### Record 218 of 288

**Title:** Application of novel zinc oxide reinforced xanthan gum hybrid system for edible coatings

**Author(s):** Joshy, KS (Joshy, K. S.); Jose, J (Jose, Jiya); Li, TD (Li, Tianduo); Thomas, M (Thomas, Merlin); Shankregowda, AM (Shankregowda, Aruna M.); Sreekumaran, S (Sreekumaran, Sreejith); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 151 **Pages:** 806-813 **DOI:** 10.1016/j.ijbiomac.2020.02.085 **Published:** MAY 15 2020

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**Accession Number:** WOS:000528267400081

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### Record 219 of 288

**Title:** Dust acoustic solitary waves in a five-component cometary plasma with charge variation

**Author(s):** Varghese, A (Varghese, A.); Saritha, AC (Saritha, A. C.); Willington, NT (Willington, N. T.); Michael, M (Michael, M.); Sebastian, S (Sebastian, S.); Sreekala, G (Sreekala, G.); Venugopal, C (Venugopal, C.)

**Source:** JOURNAL OF ASTROPHYSICS AND ASTRONOMY **Volume:** 41 **Issue:** 1 **Article Number:** 11 **DOI:** 10.1007/s12036-020-09630-1 **Published:** MAY 23 2020

**Times Cited in Web of Science Core Collection:** 3

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### Record 220 of 288

**Title:** Effects of Nonextensive Ions (Heavier and Lighter) on Ion Acoustic Solitary Waves in a Magnetized Five Component Cometary Plasma with Kappa Described Electrons

**Author(s):** Manesh, M (Manesh, M.); Anu, V (Anu, V.); Neethu, TW (Neethu, T. W.); Sijo, S (Sijo, S.); Sreekala, G (Sreekala, G.); Venugopal, C (Venugopal, C.)

**Source:** PLASMA PHYSICS REPORTS **Volume:** 46 **Issue:** 5 **Pages:** 541-551 **DOI:** 10.1134/S1063780X20050062 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000534251500007

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**ISSN:** 1063-780X

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### Record 221 of 288

**Title:** Synthesis of silver incorporated lithium doped zinc oxide nanocomposites for in-vitro biorational evaluation of Candidiasis and Cryptococcosis

**Author(s):** Nair, KK (Nair, Kishore Kumar); Harris, RA (Harris, Richard Anthony); Viljoen, B (Viljoen, Bennie); Swart, HC (Swart, H. C.); Aravind, UK (Aravind, Usha K.); Aravindakumar, CT (Aravindakumar, C. T.)

**Source:** APPLIED SURFACE SCIENCE **Volume:** 506 **Article Number:** 144800 **DOI:** 10.1016/j.apsusc.2019.144800 **Published:** MAR 15 2020

**Times Cited in Web of Science Core Collection:** 2

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**Accession Number:** WOS:000512983600080

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**ISSN:** 0169-4332

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### Record 222 of 288

**Title:** Chitin and Chitosan Based Composites for Energy and Environmental Applications: A Review

**Author(s):** Peter, S (Peter, Sherin); Lyczko, N (Lyczko, Nathalie); Gopakumar, D (Gopakumar, Deepu); Maria, HJ (Maria, Hanna J.); Nzihou, A (Nzihou, Ange); Thomas, S (Thomas, Sabu)

**Source:** WASTE AND BIOMASS VALORIZATION **Volume:** 12 **Issue:** 9 **Special Issue:** SI **Pages:** 4777-4804 **DOI:** 10.1007/s12649-020-01244-6 **Early Access Date:** SEP 2020 **Published:** SEP 2021

**Times Cited in Web of Science Core Collection:** 52

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### Record 223 of 288

**Title:** Surfactin-Loaded kappa-Carrageenan Oligosaccharides Entangled Cellulose Nanofibers as a Versatile Vehicle Against Periodontal Pathogens

**Author(s):** Johnson, A (Johnson, Athira); He, JL (He, Jia-Ling); Kong, FB (Kong, Fanbin); Huang, YC (Huang, Yi-Cheng); Thomas, S (Thomas, Sabu); Lin, HTV (Lin, Hong-Ting Victor); Kong, ZL (Kong, Zwe-Ling)

**Source:** INTERNATIONAL JOURNAL OF NANOMEDICINE **Volume:** 15 **Pages:** 4021-4047 **DOI:** 10.2147/IJN.S238476 **Published:** 2020

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**ISSN:** 1178-2013

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### Record 224 of 288

**Title:** Self-assembled PMMA/ZnO nanocomposites with anti-staining and liquid barrier properties-their physicochemical perspectives and clinical implications as a biomaterial for Maxillofacial prosthetic rehabilitation

**Author(s):** Raj, I (Raj, Indu); Gopalakrishnan, S (Gopalakrishnan, Sandhya); Abraham, J (Abraham, Jiji); Maria, HJ (Maria, Hanna J.); Mozetic, M (Mozetic, Miran); Mathew, TA (Aby Mathew, T.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** JOURNAL OF POLYMER RESEARCH **Volume:** 27 **Issue:** 11 **Article Number:** 348 **DOI:** 10.1007/s10965-020-02137-x **Published:** OCT 28 2020

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**ISSN:** 1022-9760

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### Record 225 of 288

**Title:** Influence of reduced graphene oxide on flow behaviour, glass transition temperature and secondary crystallinity of plasticized poly(vinyl chloride)

**Author(s):** Akhina, H (Akhina, H.); Ramya, KA (Ramya, Koduvayur A.); Nair, MRG (Nair, M. R. Gopinathan); Saiter-Fourcin, A (Saiter-Fourcin, Allisson); Garda, MR (Garda, Marie-Rose); Deshpande, AP (Deshpande, Abhijit P.); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 49 **Pages:** 29247-29256 **DOI:** 10.1039/d0ra04560h **Published:** AUG 11 2020

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### Record 226 of 288

**Title:** A study on interwoven hydrogen bonding interactions in new zidovudine-picric acid (1:1) cocrystal through single crystal XRD, spectral and computational methods

**Author(s):** Likhitha, U (Likhitha, U.); Narayana, B (Narayana, B.); Sarojini, BK (Sarojini, B. K.); Kumar, SM (Kumar, S. Madan); Lobo, AG (Lobo, Anupam G.); Karthick, T (Karthick, T.)

**Source:** JOURNAL OF MOLECULAR STRUCTURE **Volume:** 1211 **Article Number:** 128052 **DOI:** 10.1016/j.molstruc.2020.128052 **Published:** JUL 5 2020

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Accession Number:** WOS:000526086200002

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**ISSN:** 0022-2860

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### Record 227 of 288

**Title:** Evidence of Rotational Frohlich Coupling in Polaronic Trions

**Author(s):** Trushin, M (Trushin, Maxim); Sarkar, S (Sarkar, Soumya); Mathew, S (Mathew, Sinu); Goswami, S (Goswami, Sreetosh); Sahoo, P (Sahoo, Prasana); Wang, Y (Wang, Yan); Yang, J (Yang, Jieun); Li, WW (Li, Weiwei);

MacManus-Driscoll, JL (MacManus-Driscoll, Judith L.); Chhowalla, M (Chhowalla, Manish); Adam, S (Adam, Shaffique); Venkatesan, T (Venkatesan, T.)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 125 **Issue:** 8 **Article Number:** 086803 **DOI:** 10.1103/PhysRevLett.125.086803 **Published:** AUG 20 2020

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**ISSN:** 0031-9007

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### Record 228 of 288

**Title:** Role of protic ionic liquid concentration in proton conducting polymer electrolytes for improved electrical and thermal properties

**Author(s):** Nair, MG (Nair, Manjula G.); Mohapatra, SR (Mohapatra, Saumya R.); Garda, MR (Garda, Marie-Rose); Patanair, B (Patanair, Bindu); Saiter-Fourcin, A (Saiter-Fourcin, Allisson); Thomas, S (Thomas, Sabu)

**Source:** MATERIALS RESEARCH EXPRESS **Volume:** 7 **Issue:** 6 **Article Number:** 064005 **DOI:** 10.1088/2053-1591/ab9665 **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 9

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**Accession Number:** WOS:000540426200001

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### Record 229 of 288

**Title:** Development of biocompatible and biofilm-resistant silver-poly(methylmethacrylate) nanocomposites for stomatognathic rehabilitation

**Author(s):** Gopalakrishnan, S (Gopalakrishnan, Sandhya); Mathew, TA (Mathew, Aby T.); Mozetic, M (Mozetic, Miran); Jayachandran, VP (Jayachandran, V. P.); Jose, J (Jose, Jiya); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS **Volume:** 69 **Issue:** 3 **Pages:** 186-199 **DOI:** 10.1080/00914037.2018.1552863 **Published:** FEB 11 2020

**Times Cited in Web of Science Core Collection:** 6

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**Accession Number:** WOS:000498054600005

**Addresses:** [Gopalakrishnan, Sandhya; Jose, Jiya; Thomas, Sabu; Kalarikkal, Nandakumar] Mahatma Gandhi Univ, Int & Inter Univ Ctr Nanosci & Nanotechnol, Kottayam, Kerala, India.

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**ISSN:** 0091-4037

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**Record 230 of 288**

**Title:** Structure and Elastic Properties of an Unsymmetrical Bi-Heterocyclic Azo Compound in the Langmuir Monolayer and Langmuir-Blodgett Film

**Author(s):** Ahmed, I (Ahmed, Iqbal); Mathur, T (Mathur, Tanmay); Islam, AKMM (Islam, A. K. M. Maidul); Plaisier, JR (Plaisier, Jasper R.); Parisse, P (Parisse, Pietro); Thomas, S (Thomas, Sabu); Bal, JK (Bal, Jayanta Kumar)

**Source:** ACS OMEGA **Volume:** 5 **Issue:** 34 **Pages:** 21538-21549 **DOI:** 10.1021/acsomega.0c02147 **Published:** SEP 1 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000568645300025

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**Record 231 of 288**

**Title:** Composition-dependent structural, electrical, magnetic and magnetoelectric properties of (1-x)BaTiO<sub>3</sub>-xCoFe(2)O(4)particulate composites

**Author(s):** Padmapriya, D (PADMAPRIYA, D.); Dhayanithi, D (DHAYANITHI, D.); Rashid, A (RASHID, A.); Rahul, MT (RAHUL, M. T.); Kalarikkal, N (KALARIKKAL, N. A. N. D. A. K. U. M. A. R.); Muneeswaran, M (MUNEESWARAN, M.); Giridharan, NV (GIRIDHARAN, N., V)

**Source:** BULLETIN OF MATERIALS SCIENCE **Volume:** 43 **Issue:** 1 **Article Number:** 276 **DOI:** 10.1007/s12034-020-02243-y **Published:** OCT 13 2020

**Times Cited in Web of Science Core Collection:** 3

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**Accession Number:** WOS:000582467600001

**Addresses:** [PADMAPRIYA, D.; DHAYANITHI, D.; RASHID, A.; GIRIDHARAN, N., V] Natl Inst Technol, Adv Funct Mat Lab, Tiruchirappalli 620015, India.

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**ISSN:** 0250-4707

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**Record 232 of 288**

**Title:** Natural Sesquiterpene Lactones in the Prevention and Treatment of Inflammatory Disorders and cancer: A Systematic Study of this Emerging Therapeutic Approach based on Chemical and Pharmacological Aspect

**Author(s):** Mandal, SK (Mandal, Sudip Kumar); Debnath, U (Debnath, Utsab); Kumar, A (Kumar, Amresh); Thomas, S (Thomas, Sabu); Mandal, SC (Mandal, Subhash Chandra); Choudhury, MD (Choudhury, Manabendra Dutta); Palit, P (Palit, Partha)

**Source:** LETTERS IN DRUG DESIGN & DISCOVERY **Volume:** 17 **Issue:** 9 **Pages:** 1102-1116 **DOI:** 10.2174/1570180817999200421144007 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 4

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**Accession Number:** WOS:000568954400003

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### Record 233 of 288

**Title:** Positron annihilation spectroscopic characterization of free-volume defects and their correlations with the mechanical and transport properties of SBR-PMMA interpenetrating polymer networks

**Author(s):** James, J (James, Jose); Thomas, GV (Thomas, George, V); Madathil, AP (Madathil, Akhil Punneri); Nambissan, PMG (Nambissan, P. M. G.); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** PHYSICAL CHEMISTRY CHEMICAL PHYSICS **Volume:** 22 **Issue:** 32 **Pages:** 18169-18182 **DOI:** 10.1039/d0cp01417f **Published:** AUG 28 2020

**Times Cited in Web of Science Core Collection:** 9

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**Accession Number:** WOS:000562560400038

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### Record 234 of 288

**Title:** Constructing sustained-release herbicide formulations based on poly-3-hydroxybutyrate and natural materials as a degradable matrix

**Author(s):** Kiselev, EG (Kiselev, Evgeniy G.); Boyandin, AN (Boyandin, Anatoly N.); Zhila, NO (Zhila, Natalia O.); Prudnikova, SV (Prudnikova, Svetlana, V); Shumilova, AA (Shumilova, Anna A.); Baranovskiy, SV (Baranovskiy, Sergey, V); Shishatskaya, EI (Shishatskaya, Ekaterina, I); Thomas, S (Thomas, Sabu); Volova, TG (Volova, Tatiana G.)

**Source:** PEST MANAGEMENT SCIENCE **Volume:** 76 **Issue:** 5 **Pages:** 1772-1785 **DOI:** 10.1002/ps.5702 **Early Access Date:** DEC 2019 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 11

**Accession Number:** WOS:000504290700001

**Addresses:** [Kiselev, Evgeniy G.; Boyandin, Anatoly N.; Zhila, Natalia O.; Prudnikova, Svetlana, V; Shumilova, Anna A.; Baranovskiy, Sergey, V; Shishatskaya, Ekaterina, I; Thomas, Sabu; Volova, Tatiana G.] Siberian Fed Univ, Sch Fundamental Biol & Biotechnol, Krasnoyarsk, Russia.

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**ISSN:** 1526-498X

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### Record 235 of 288

**Title:** Lattice Inclusion of Copper Ions in Ammonium Perchlorate through Co-crystallization: Impact on Lattice, Physical, and Thermal Characteristics

**Author(s):** Nair, S (Nair, Savitha); Mathew, S (Mathew, Suresh); Nair, CPR (Nair, C. P. Reghunadhan)

**Source:** ACS OMEGA **Volume:** 5 **Issue:** 30 **Pages:** 18544-18550 **DOI:** 10.1021/acsomega.9b03893 **Published:** AUG 4 2020

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 5

**Accession Number:** WOS:000558752000001

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**ISSN:** 2470-1343

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### Record 236 of 288

**Title:** Efficacy of Slow-Release Formulations of Metribuzin and Tribenuron Methyl Herbicides for Controlling Weeds of Various Species in Wheat and Barley Stands

**Author(s):** Volova, T (Volova, Tatiana); Shumilova, A (Shumilova, Anna); Zhila, N (Zhila, Natalia); Sukovaty, A (Sukovaty, Aleksey); Shishatskaya, E (Shishatskaya, Ekaterina); Thomas, S (Thomas, Sabu)

**Source:** ACS OMEGA **Volume:** 5 **Issue:** 39 **Pages:** 25135-25147 **DOI:** 10.1021/acsomega.0c02492 **Published:** OCT 6 2020

**Times Cited in Web of Science Core Collection:** 5

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**Accession Number:** WOS:000580485600018

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**ISSN:** 2470-1343

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### Record 237 of 288

**Title:** Influence of Dy<sup>3+</sup> concentration on spectroscopic behaviour of Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub>:Dy<sup>3+</sup> phosphors

**Author(s):** Dewangan, P (Dewangan, Pradeep); Bisen, DP (Bisen, D. P.); Brahme, N (Brahme, Nameeta); Sharma, S (Sharma, Shweta); Tamrakar, RK (Tamrakar, Raunak Kumar); Sahu, IP (Sahu, Ishwar Prasad); Upadhyay, K (Upadhyay, Kanchan)

**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 816 **Article Number:** 152590 **DOI:** 10.1016/j.jallcom.2019.152590 **Published:** MAR 5 2020

**Times Cited in Web of Science Core Collection:** 18

**Total Times Cited:** 18

**Accession Number:** WOS:000503725300082

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**ISSN:** 0925-8388

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### Record 238 of 288

**Title:** Copolymerization of Styrene and Pentadecylphenylmethacrylate (PDPMA): Synthesis, Characterization, Thermomechanical and Adhesion Properties

**Author(s):** Joseph, TM (Joseph, Tomy Muringayil); Nair, SM (Nair, Sumi Murali); Ittara, SK (Ittara, Suresh Kattimuttathu); Haponiuk, JT (Haponiuk, Jozef T.); Thomas, S (Thomas, Sabu)

**Source:** POLYMERS **Volume:** 12 **Issue:** 1 **Article Number:** 97 **DOI:** 10.3390/polym12010097 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 5

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**Accession Number:** WOS:000519848300097

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**eISSN:** 2073-4360

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### Record 239 of 288

**Title:** Natural halloysite nanotubes/chitosan based bio-nanocomposite for delivering norfloxacin, an anti-microbial agent in sustained release manner

**Author(s):** Barman, M (Barman, Mrinmoy); Mahmood, S (Mahmood, Syed); Augustine, R (Augustine, Robin); Hasan, A (Hasan, Anwarul); Thomas, S (Thomas, Sabu); Ghosal, K (Ghosal, Kajal)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 162 **Pages:** 1849-1861 **DOI:** 10.1016/j.ijbiomac.2020.08.060 **Published:** NOV 1 2020

**Times Cited in Web of Science Core Collection:** 62

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**Accession Number:** WOS:000577953700075

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### Record 240 of 288

**Title:** Nano formulated proanthocyanidins as an effective wound healing component

**Author(s):** Rajendran, R (Rajendran, Rajakumari); Volova, T (Volova, Tatiana); Oluwafemi, OS (Oluwafemi, Oluwatobi Samuel); Rajeshkumar, S (Rajeshkumar, S.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** MATERIALS SCIENCE AND ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS **Volume:** 106 **Article Number:** 110056 **DOI:** 10.1016/j.msec.2019.110056 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 25

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### Record 241 of 288

**Title:** An Environment-friendly Synthesis of Piperonal Chalcones and Their Cytotoxic and Antioxidant Evaluation

**Author(s):** Dev, S (Dev, Sanal); Parambi, DT (Parambi, Della Grace Thomas); Baby, B (Baby, Benncy); Mathew, GE (Mathew, Githa Elizabeth); Magdy, HO (Magdy, Hendawy Omnia); Joy, M (Joy, Monu); Sudev, S (Sudev, Shine); Mathew, B (Mathew, Bijo)

**Source:** LETTERS IN DRUG DESIGN & DISCOVERY **Volume:** 17 **Issue:** 2 **Pages:** 138-144 **DOI:** 10.2174/1570180815666181016155934 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 4

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**Accession Number:** WOS:000514283100004

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**ISSN:** 1570-1808

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### Record 242 of 288

**Title:** Influence of layering pattern of modified kenaf fiber on thermomechanical properties of epoxy composites

**Author(s):** Mohammed, AR (Mohammed, A. R.); Atiqah, MSN (Atiqah, M. S. Nurul); Gopakumar, DA (Gopakumar, Deepu A.); Fazita, MR (Fazita, M. R.); Rizal, S (Rizal, Samsul); Hermawan, D (Hermawan, D.); Thomas, S (Thomas, Sabu); Khalil, HPSA (Khalil, H. P. S. Abdul)

**Source:** PROGRESS IN RUBBER PLASTICS AND RECYCLING TECHNOLOGY **Volume:** 36 **Issue:** 1 **Pages:** 47-62 **DOI:** 10.1177/1477760619895010 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 8

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**Accession Number:** WOS:000510454500004

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**ISSN:** 1477-7606

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### Record 243 of 288

**Title:** Therapeutic effects of antibiotics loaded cellulose nanofiber and kappa-carrageenan oligosaccharide composite hydrogels for periodontitis treatment

**Author(s):** Johnson, A (Johnson, Athira); Kong, FB (Kong, Fanbin); Miao, S (Miao, Song); Lin, HTV (Lin, Hong-Ting Victor); Thomas, S (Thomas, Sabu); Huang, YC (Huang, Yi-Cheng); Kong, ZL (Kong, Zwe-Ling)

**Source:** SCIENTIFIC REPORTS **Volume:** 10 **Issue:** 1 **Article Number:** 18037 **DOI:** 10.1038/s41598-020-74845-9 **Published:** OCT 22 2020

**Times Cited in Web of Science Core Collection:** 31

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**Accession Number:** WOS:000615379800030

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**ISSN:** 2045-2322

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### Record 244 of 288

**Title:** Humidity sensing performance of hybrid nanorods of polyaniline-Yttrium oxide composite prepared by mechanical mixing method

**Author(s):** Chethan, B (Chethan, B.); Prakash, HGR (Prakash, H. G. Raj); Ravikiran, YT (Ravikiran, Y. T.); Kumari, SCV

(Kumari, S. C. Vijaya); Manjunatha, S (Manjunatha, S.); Thomas, S (Thomas, S.)

**Source:** TALANTA **Volume:** 215 **Article Number:** 120906 **DOI:** 10.1016/j.talanta.2020.120906 **Published:** AUG 1 2020

**Times Cited in Web of Science Core Collection:** 21

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**Accession Number:** WOS:000528209200021

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**ISSN:** 0039-9140

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### Record 245 of 288

**Title:** Carbon black distribution in natural rubber/butadiene rubber blend composites: Distribution driven by morphology

**Author(s):** Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Rane, AV (Rane, Ajay Vasudeo); Huskic, M (Huskic, Miroslav); Kunaver, M (Kunaver, Matjaz); Kalarikkal, N (Kalarikkal, Nandakumar); Rouxel, D (Rouxel, Didier); Thomas, S (Thomas, Sabu)

**Source:** COMPOSITES SCIENCE AND TECHNOLOGY **Volume:** 200 **Article Number:** 108484 **DOI:** 10.1016/j.compscitech.2020.108484 **Published:** NOV 10 2020

**Times Cited in Web of Science Core Collection:** 19

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**Accession Number:** WOS:000580920800077

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**ISSN:** 0266-3538

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### Record 246 of 288

**Title:** Fiber Extraction and Characterization from *Typha Domingensis*

**Author(s):** Pandey, R (Pandey, Ritu); Jose, S (Jose, Seiko); Sinha, MK (Sinha, Mukesh Kumar)

**Source:** JOURNAL OF NATURAL FIBERS **Volume:** 19 **Issue:** 7 **Pages:** 2648-2659 **DOI:** 10.1080/15440478.2020.1821285 **Early Access Date:** SEP 2020 **Published:** JUL 3 2022

**Times Cited in Web of Science Core Collection:** 20

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**Accession Number:** WOS:000572490300001

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**ISSN:** 1544-0478

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**Record 247 of 288**

**Title:** Defect-focused analysis of calcium-substitution-induced structural transformation of magnesium ferrite nanocrystals

**Author(s):** Abraham, AR (Abraham, Ann Rose); Raneesh, B (Raneesh, B.); Sanyal, D (Sanyal, D.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Nambissan, PMG (Nambissan, P. M. G.)

**Source:** NEW JOURNAL OF CHEMISTRY **Volume:** 44 **Issue:** 4 **Pages:** 1556-1570 **DOI:** 10.1039/c9nj04068d **Published:** JAN 28 2020

**Times Cited in Web of Science Core Collection:** 7

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**Accession Number:** WOS:000509895700044

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**ISSN:** 1144-0546

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**Record 248 of 288**

**Title:** Enhancement of Adhesive Strength of Epoxy/Carboxyl-Terminated Poly(butadiene-co-acrylonitrile) Nanocomposites Using Waste Hemp Fiber-Derived Cellulose Nanofibers

**Author(s):** Padinjakkara, A (Padinjakkara, Aneesa); Scarinzi, G (Scarinzi, Gennaro); Santagata, G (Santagata, Gabriella); Malinconico, M (Malinconico, Mario); Razal, JM (Razal, Joselito M.); Thomas, S (Thomas, Sabu); Salim, NV (Salim, Nisa, V)

**Source:** INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH **Volume:** 59 **Issue:** 23 **Pages:** 10904-10913 **DOI:** 10.1021/acs.iecr.0c01053 **Published:** JUN 10 2020

**Times Cited in Web of Science Core Collection:** 6

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**Accession Number:** WOS:000541684000019

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**ISSN:** 0888-5885

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**Record 249 of 288**

**Title:** Synergistic effect of MWCNTs and MA-g-PP on the thermal and viscoelastic properties of immiscible PTT/PP blends

**Author(s):** Ramachandran, AA (Ramachandran, Ajitha Anthickamalil); Reghunadhan, A (Reghunadhan, Arunima); Kunjappan, AM (Kunjappan, Aswathi Madathinal); Mathew, LP (Mathew, Lovely P.); Thomas, S (Thomas, Sabu); Laroze, D (Laroze, David); Strankowski, M (Strankowski, Michal)

**Source:** NEW JOURNAL OF CHEMISTRY **Volume:** 44 **Issue:** 38 **Pages:** 16557-16568 **DOI:** 10.1039/d0nj02970j **Published:** OCT 14 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000575065200029

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**ISSN:** 1144-0546

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### Record 250 of 288

**Title:** Fabrication of exfoliated graphite reinforced silicone rubber composites - Mechanical, tribological and dielectric properties

**Author(s):** Sarath, PS (Sarath, P. S.); Samson, SV (Samson, Sohil Varghese); Reghunath, R (Reghunath, Rakesh); Pandey, MK (Pandey, Mrituanjay Kumar); Haponiuk, JT (Haponiuk, Jozef T.); Thomas, S (Thomas, Sabu); George, SC (George, Soney C.)

**Source:** POLYMER TESTING **Volume:** 89 **Article Number:** 106601 **DOI:**

10.1016/j.polymertesting.2020.106601 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 16

**Accession Number:** WOS:000561350500021

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**ISSN:** 0142-9418

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### Record 251 of 288

**Title:** Observation of room temperature multiferroicity in CuO-doped Sr<sub>3</sub>Bi<sub>4</sub>Ti<sub>6</sub>O<sub>21</sub> lead-free ferroelectric ceramics

**Author(s):** Elayaperumal, E (Elayaperumal, E.); Malathi, M (Malathi, M.); Murugesan, G (Murugesan, G.); Mayeen, A (Mayeen, Anshida); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 21 **Pages:** 19232-19241 **DOI:** 10.1007/s10854-020-04458-5 **Early Access Date:** SEP 2020 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 1

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**ISSN:** 0957-4522

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### Record 252 of 288

**Title:** Physicochemical Characterization, Molecular Docking, and In Vitro Dissolution of Glimepiride-Captisol Inclusion Complexes

**Author(s):** Pal, A (Pal, Arpita); Roy, S (Roy, Sudeep); Kumar, A (Kumar, Akhil); Mahmood, S (Mahmood, Syed); Khodapanah, N (Khodapanah, Nasrin); Thomas, S (Thomas, Sabu); Agatemor, C (Agatemor, Christian); Ghosal, K (Ghosal, Kajal)

**Source:** ACS OMEGA **Volume:** 5 **Issue:** 32 **Pages:** 19968-19977 **DOI:** 10.1021/acsomega.0c01228 **Published:** AUG 18 2020

**Times Cited in Web of Science Core Collection:** 20

**Total Times Cited:** 20

**Accession Number:** WOS:000563015100006

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**ISSN:** 2470-1343

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### Record 253 of 288

**Title:** Surface and morphology analyses, and voltammetry studies for electrochemical determination of cerium(III) using a graphene nanobud-modified-carbon felt electrode in acidic buffer solution (pH 4.0 +/- 0.05)

**Author(s):** Ravi, PV (Ravi, Pavithra V.); Thangadurai, DT (Thangadurai, Daniel T.); Nehru, K (Nehru, Kasi); Lee, YI (Lee, Yong Ill); Nataraj, D (Nataraj, Devaraj); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar); Jose, J (Jose, Jiya)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 61 **Pages:** 37409-37418 **DOI:** 10.1039/d0ra07555h **Published:** OCT 11 2020

**Times Cited in Web of Science Core Collection:** 9

**Total Times Cited:** 10

**Accession Number:** WOS:000578727600046

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**eISSN:** 2046-2069

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### Record 254 of 288

**Title:** Polylactic acid/nano chitosan composite fibers and their morphological, physical characterization for the removal of cadmium(II) from water

**Author(s):** Thomas, MS (Thomas, Merin S.); Pillai, PKS (Pillai, Prasanth K. S.); Faria, M (Faria, Marisa); Cordeiro, N (Cordeiro, Nereida); Kailas, L (Kailas, Lekshmi); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu); Pothen, LA (Pothen, Laly A.)

**Source:** JOURNAL OF APPLIED POLYMER SCIENCE **Volume:** 137 **Issue:** 34 **Article Number:** e48993 **DOI:** 10.1002/app.48993 **Early Access Date:** JAN 2020 **Published:** SEP 10 2020

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**Accession Number:** WOS:000509604700001

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**ISSN:** 0021-8995

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### Record 255 of 288

**Title:** Mechanically Robust Antibacterial Nanopapers Through Mixed Dimensional Assembly for Anionic Dye Removal

**Author(s):** Nizam, PA (Nizam, P. A.); Arumughan, V (Arumughan, Vishnu); Baby, A (Baby, Alosy); Sunil, MA (Sunil, M. A.); Pasquini, D (Pasquini, Daniel); Nzihou, A (Nzihou, Ange); Thomas, S (Thomas, Sabu); Gopakumar, DA (Gopakumar, Deepu A.)

**Source:** JOURNAL OF POLYMERS AND THE ENVIRONMENT **Volume:** 28 **Issue:** 4 **Pages:** 1279-1291 **DOI:** 10.1007/s10924-020-01681-3 **Early Access Date:** FEB 2020 **Published:** APR 2020

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**Total Times Cited:** 2

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**ISSN:** 1566-2543

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### Record 256 of 288

**Title:** Flexible dopamine-functionalized BaTiO<sub>3</sub>/BaTiZrO<sub>3</sub>/BaZrO<sub>3</sub>-PVDF ferroelectric nanofibers for electrical energy storage

**Author(s):** Mayeen, A (Mayeen, Anshida); Kala, MS (Kala, M. S.); Sunija, S (Sunija, S.); Rouxel, D (Rouxel, Didier); Bhowmik, RN (Bhowmik, R. N.); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** JOURNAL OF ALLOYS AND COMPOUNDS **Volume:** 837 **Article Number:** 155492 **DOI:** 10.1016/j.jallcom.2020.155492 **Published:** OCT 5 2020

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**Total Times Cited:** 36

**Accession Number:** WOS:000546685000015

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### Record 257 of 288

**Title:** Near Infrared (NIR) absorbing dyes as promising photosensitizer for photo dynamic therapy

**Author(s):** Swamy, PCA (Swamy, P. Chinna Ayya); Sivaraman, G (Sivaraman, Gandhi); Priyanka, RN (Priyanka, Ragam N.); Raja, SO (Raja, Sufi O.); Ponnuvel, K (Ponnuvel, Kandhasamy); Shanmugpriya, J (Shanmugpriya, Jeyabalan); Gulyani, A (Gulyani, Akash)

**Source:** COORDINATION CHEMISTRY REVIEWS **Volume:** 411 **Article Number:** 213233 **DOI:** 10.1016/j.ccr.2020.213233 **Published:** MAY 31 2020

**Times Cited in Web of Science Core Collection:** 139

**Total Times Cited:** 138

**Accession Number:** WOS:000525869100001

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### Record 258 of 288

**Title:** NiFe<sub>2</sub>O<sub>4</sub>/poly(ethylene glycol)/lipid-polymer hybrid nanoparticles for anti-cancer drug delivery

**Author(s):** Joshy, KS (Joshy, K. S.); Augustine, R (Augustine, Robin); Mayeen, A (Mayeen, Anshida); Alex, SM (Alex, Susan M.); Hasan, A (Hasan, Anwarul); Thomas, S (Thomas, Sabu); Chi, H (Chi, Hong)

**Source:** NEW JOURNAL OF CHEMISTRY **Volume:** 44 **Issue:** 42 **Pages:** 18162-18172 **DOI:** 10.1039/d0nj01163k **Published:** NOV 14 2020

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Accession Number:** WOS:000584954500005

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**ISSN:** 1144-0546

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### Record 259 of 288

**Title:** Influence of carbon black on cure properties and mechanical strength of natural rubber/butadiene rubber blends

**Author(s):** Kaliyathan, AV (Kaliyathan, Abitha Vayyaprontavida); Rane, AV (Rane, Ajay Vasudeo); Huskic, M (Huskic, Miroslav); Kunaver, M (Kunaver, Matjaz); Kalarikkal, N (Kalarikkal, Nandakumar); Rouxel, D (Rouxel, Didier); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY **Volume:** 58 **Issue:** 2 **Pages:** 69-80 **DOI:** 10.1080/10601325.2020.1826329 **Early Access Date:** SEP 2020 **Published:** 2021

**Times Cited in Web of Science Core Collection:** 6

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**Accession Number:** WOS:000573444700001

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**Record 260 of 288**

**Title:** Cooking fat types alter the inherent glycaemic response of niche rice varieties through resistant starch (RS) formation

**Author(s):** Krishnan, V (Krishnan, Veda); Mondal, D (Mondal, Debarati); Bollinedi, H (Bollinedi, Haritha); Srivastava, S (Srivastava, Sudhir); Ramesh, SV (Ramesh, S., V); Madhavan, L (Madhavan, Latha); Thomas, B (Thomas, Bejoy); Anju, TR (Anju, T. R.); Singh, A (Singh, Archana); Singh, AK (Singh, A. K.); Praveen, S (Praveen, Shelly)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 162 **Pages:** 1668-1681 **DOI:** 10.1016/j.ijbiomac.2020.07.265 **Published:** NOV 1 2020

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**ISSN:** 0141-8130

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**Record 261 of 288**

**Title:** Thermal and electrical properties of phenol formaldehyde foams reinforcing with reduced graphene oxide

**Author(s):** Sandhya, PK (Sandhya, P. K.); Sreekala, MS (Sreekala, M. S.); Boudenne, A (Boudenne, Abderrahim); Garnier, B (Garnier, Bertrand); Rouxel, D (Rouxel, Didier); Padmanabhan, M (Padmanabhan, Moothetty); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** POLYMER COMPOSITES **Volume:** 41 **Issue:** 10 **Pages:** 4329-4339 **DOI:** 10.1002/pc.25715 **Early Access Date:** JUL 2020 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 5

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**ISSN:** 0272-8397

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**Record 262 of 288**

**Title:** Grape seed extract-soluplus dispersion and its antioxidant activity

**Author(s):** Rajakumari, R (Rajakumari, R.); Volova, T (Volova, Tatiana); Oluwafemi, OS (Oluwafemi, Oluwatobi Samuel); Kumar, SR (Kumar, S. Rajesh); Thomas, S (Thomas, Sabu); Kalarikkal, N (Kalarikkal, Nandakumar)

**Source:** DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY **Volume:** 46 **Issue:** 8 **Pages:** 1219-1229 **DOI:** 10.1080/03639045.2020.1788059 **Early Access Date:** JUL 2020 **Published:** AUG 2 2020

**Times Cited in Web of Science Core Collection:** 70

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### Record 263 of 288

**Title:** AC conductivity studies in copper decorated and zinc oxide embedded polypyrrole composite nanorods: Interfacial effects

**Author(s):** Megha, R (Megha, R.); Ravikiran, YT (Ravikiran, Y. T.); Kumari, SCV (Kumari, S. C. Vijaya); Rajprakash, HG (Rajprakash, H. G.); Manjunatha, S (Manjunatha, S.); Revanasiddappa, M (Revanasiddappa, M.); Prashantkumar, M (Prashantkumar, M.); Thomas, S (Thomas, S.)

**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 110 **Article Number:** 104963 **DOI:** 10.1016/j.mssp.2020.104963 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 13

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### Record 264 of 288

**Title:** Nanoparticle-Stabilized Lattices of Topological Defects in Liquid Crystals

**Author(s):** Gudimalla, A (Gudimalla, Apparao); Lavric, M (Lavric, Marta); Trcek, M (Trcek, Maja); Harkai, S (Harkai, Sasa); Rozic, B (Rozic, Brigita); Cordoyiannis, G (Cordoyiannis, George); Thomas, S (Thomas, Sabu); Pal, K (Pal, Kaushik); Kutnjak, Z (Kutnjak, Zdravko); Kralj, S (Kralj, Samo)

**Source:** INTERNATIONAL JOURNAL OF THERMOPHYSICS **Volume:** 41 **Issue:** 4 **Article Number:** 51 **DOI:** 10.1007/s10765-020-02631-w **Published:** MAR 4 2020

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**Record 265 of 288**

**Title:** Ultra-fast heat dissipating aerogels derived from polyaniline anchored cellulose nanofibers as sustainable microwave absorbers

**Author(s):** Pai, AR (Pai, Avinash R.); Binumol, T (Binumol, T.); Gopakumar, DA (Gopakumar, Deepu A.); Pasquini, D (Pasquini, Daniel); Seantier, B (Seantier, Bastien); Kalarikkal, N (Kalarikkal, Nandakumar); Thomas, S (Thomas, Sabu)

**Source:** CARBOHYDRATE POLYMERS **Volume:** 246 **Article Number:** 116663 **DOI:** 10.1016/j.carbpol.2020.116663 **Published:** OCT 15 2020

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**Record 266 of 288**

**Title:** Extraction of Nanochitin from Marine Resources and Fabrication of Polymer Nanocomposites: Recent Advances

**Author(s):** Joseph, B (Joseph, Blessy); Sam, RM (Sam, Rubie Mavelil); Balakrishnan, P (Balakrishnan, Preetha); Maria, HJ (Maria, Hanna J.); Gopi, S (Gopi, Sreeraj); Volova, T (Volova, Tatiana); Fernandes, SCM (Fernandes, Susana C. M.); Thomas, S (Thomas, Sabu)

**Source:** POLYMERS **Volume:** 12 **Issue:** 8 **Article Number:** 1664 **DOI:** 10.3390/polym12081664 **Published:** AUG 2020

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**Record 267 of 288**

**Title:** Fanconi Anemia DNA Repair Pathway as a New Mechanism to Exploit Cancer Drug Resistance

**Author(s):** Ghosal, K (Ghosal, Kajal); Agatemor, C (Agatemor, Christian); Han, RI (Han, Richard, I); Ku, AT (Ku, Amy T.); Thomas, S (Thomas, Sabu); Mukherjee, S (Mukherjee, Sudit)

**Source:** MINI-REVIEWS IN MEDICINAL CHEMISTRY **Volume:** 20 **Issue:** 9 **Pages:** 779-787 **DOI:** 10.2174/1389557520666200103114556 **Published:** 2020

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**Accession Number:** WOS:000537425900005

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### Record 268 of 288

**Title:** Perceived Closeness and Autistic Traits Modulate Interpersonal Vocal Communication

**Author(s):** Sumathi, TA (Sumathi, T. A.); Spinola, O (Spinola, Olivia); Singh, NC (Singh, Nandini Chatterjee); Chakrabarti, B (Chakrabarti, Bhismadev)

**Source:** FRONTIERS IN PSYCHIATRY **Volume:** 11 **Article Number:** 50 **DOI:**

10.3389/fpsy.2020.00050 **Published:** FEB 28 2020

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### Record 269 of 288

**Title:** Crystallization kinetics, morphology and spherulite growth in poly(trimethylene terephthalate) modified with bisphenol-A diglycidyl ether

**Author(s):** Sarathchandran, C (Sarathchandran, C.); Ziang, L (Ziang, Li); Shanks, RA (Shanks, Robert A.); Chan, CH (Chan, C. H.); Sekkar, V (Sekkar, V); Thomas, S (Thomas, Sabu)

**Source:** JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **Volume:** 141 **Issue:** 2 **Pages:** 727-737 **DOI:**

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### Record 270 of 288

**Title:** Moving beyond the distinction between the bright and dark sides of termites to achieve sustainable development goals

**Author(s):** Jouquet, P (Jouquet, Pascal); Traore, S (Traore, Saran); Harit, A (Harit, Ajay); Choosai, C (Choosai, Chutinan); Cheik, S (Cheik, Sougueh); Bottinelli, N (Bottinelli, Nicolas)

**Source:** CURRENT OPINION IN INSECT SCIENCE **Volume:** 40 **Pages:** 71-76 **DOI:** 10.1016/j.cois.2020.05.010 **Published:** AUG 2020

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**Accession Number:** WOS:000570434500011

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## **Record 271 of 288**

**Title:** Osteoarthritis: Prognosis and emerging therapeutic approach for disease management

**Author(s):** Kumar, A (Kumar, Amresh); Palit, P (Palit, Partha); Thomas, S (Thomas, Sabu); Gupta, G (Gupta, Gaurav); Ghosh, P (Ghosh, Parasar); Goswami, RP (Goswami, Rudra Prosad); Maity, TK (Kumar Maity, Tapan); Choudhury, MD (Dutta Choudhury, Manabendra)

**Source:** DRUG DEVELOPMENT RESEARCH **Volume:** 82 **Issue:** 1 **Pages:** 49-58 **DOI:** 10.1002/ddr.21741 **Early**

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## **Record 272 of 288**

**Title:** Nutrient stoichiometry (N:P) controls nitrogen fixation and distribution of diazotrophs in a tropical eutrophic estuary

**Author(s):** Jabir, T (Jabir, Thajudeen); Vipindas, PV (Vipindas, Puthiya Veettil); Jesmi, Y (Jesmi, Yousuf); Valliyodan, S (Valliyodan, Sudheesh); Parambath, PM (Parambath, Prabhakaran Meethal); Singh, A (Singh, Arvind); Abdulla, MH (Abdulla, Mohamed Hatha)

**Source:** MARINE POLLUTION BULLETIN **Volume:** 151 **Article Number:** 110799 **DOI:**

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### Record 273 of 288

**Title:** Structural and electrical characterization studies for ternary composite of polypyrrole

**Author(s):** Megha, R (Megha, R.); Ravikiran, YT (Ravikiran, Y. T.); Kumari, SCV (Kumari, S. C. Vijaya); Prakash, HGR (Prakash, H. G. Raj); Revanasiddappa, M (Revanasiddappa, M.); Manjunatha, S (Manjunatha, S.); Dastager, SG (Dastager, Syed G.); Thomas, S (Thomas, S.)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 21 **Pages:** 18400-18411 **DOI:** 10.1007/s10854-020-04386-4 **Early Access Date:** SEP 2020 **Published:** NOV 2020

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### Record 274 of 288

**Title:** Gender-Specific Effect of 5-HT and 5-HIAA on Threshold Level of Behavioral Symptoms and Sex-Bias in Prevalence of Autism Spectrum Disorder

**Author(s):** Chakraborti, B (Chakraborti, Barnali); Verma, D (Verma, Deepak); Guhathakurta, S (Guhathakurta, Subhrangshu); Jaiswal, P (Jaiswal, Preeti); Singh, AS (Singh, Asem Surindro); Sinha, S (Sinha, Swagata); Ghosh, S (Ghosh, Saurabh); Mukhopadhyay, K (Mukhopadhyay, Kanchan); Mohanakumar, KP (Mohanakumar, Kochupurackal P.); Rajamma, U (Rajamma, Usha)

**Source:** FRONTIERS IN NEUROSCIENCE **Volume:** 13 **Article Number:** 1375 **DOI:** 10.3389/fnins.2019.01375 **Published:** JAN 8 2020

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### Record 275 of 288

**Title:** Conductive Biomaterials as Substrates for Neural Stem Cells Differentiation towards Neuronal Lineage Cells

**Author(s):** Farokhi, M (Farokhi, Mehdi); Mottaghitalab, F (Mottaghitalab, Fatemeh); Saeb, MR (Saeb, Mohammad



Reza); Shojaei, S (Shojaei, Shahrokh); Zarrin, NK (Zarrin, Negin Khaneh); Thomas, S (Thomas, Sabu); Ramakrishna, S (Ramakrishna, Seeram)

**Source:** MACROMOLECULAR BIOSCIENCE **Volume:** 21 **Issue:** 1 **Article Number:** 2000123 **DOI:** 10.1002/mabi.202000123 **Early Access Date:** OCT 2020 **Published:** JAN 2021

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### Record 276 of 288

**Title:** Factorial design-optimized and gamma irradiation-assisted fabrication of selenium nanoparticles by chitosan and Pleurotus ostreatus fermented fenugreek for a vigorous in vitro effect against carcinoma cells

**Author(s):** El-Batal, AI (El-Batal, Ahmed, I); Mosallam, FM (Mosallam, Farag M.); Ghorab, MM (Ghorab, M. M.); Hanora, A (Hanora, Amro); Gobara, M (Gobara, Mohamed); Baraka, A (Baraka, Ahmad); Elsayed, MA (Elsayed, Mohamed A.); Pal, K (Pal, Kaushik); Fathy, RM (Fathy, Rasha M.); Abd Elkodous, M (Abd Elkodous, M.); El-Sayyad, GS (El-Sayyad, Gharieb S.)

**Source:** INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES **Volume:** 156 **Pages:** 1584-1599 **DOI:** 10.1016/j.ijbiomac.2019.11.210 **Published:** AUG 1 2020

**Times Cited in Web of Science Core Collection:** 35

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**Accession Number:** WOS:000538104200158

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### Record 277 of 288

**Title:** Direct Bandgap-like Strong Photoluminescence from Twisted Multilayer MoS<sub>2</sub> Grown on SrTiO<sub>3</sub>

**Author(s):** Sarkar, S (Sarkar, Soumya); Mathew, S (Mathew, Sinu); Chintalapati, S (Chintalapati, Sandhya); Rath, A (Rath, Ashutosh); Panahandeh-Fard, M (Panahandeh-Fard, Majid); Saha, S (Saha, Surajit); Goswami, S (Goswami, Sreetosh); Tan, SJR (Tan, Sherman Jun Rong); Loh, KP (Loh, Kian Ping); Scott, M (Scott, Mary); Venkatesan, T (Venkatesan, Thirumalai)

**Source:** ACS NANO **Volume:** 14 **Issue:** 12 **Pages:** 16761-16769 **DOI:** 10.1021/acsnano.0c04801 **Published:** DEC 22 2020

**Times Cited in Web of Science Core Collection:** 10

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**Accession Number:** WOS:000603308800040

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### Record 278 of 288

**Title:** Fabrication of a Greener TiO<sub>2</sub>@Gum Arabic-Carbon Paste Electrode for the Electrochemical Detection of Pb<sup>2+</sup> Ions in Plastic Toys

**Author(s):** Sivan, SK (Sivan, Saranya Kothaplamoottil); Shankar, SS (Shankar, Sarojini Sharath); Sajina, N (Sajina, N.); Padinjareveetil, AK (Padinjareveetil, Akshaykumar Kandambath); Pilankatta, R (Pilankatta, Rajendra); Kumar, VBS (Kumar, V. B. Sameer); Mathew, B (Mathew, Beena); George, B (George, Bini); Makvandi, P (Makvandi, Pooyan); Cernik, M (Cernik, Miroslav); Padil, VVT (Padil, Vinod V. T.); Varma, RS (Varma, Rajender S.)

**Source:** ACS OMEGA **Volume:** 5 **Issue:** 39 **Pages:** 25390-25399 **DOI:** 10.1021/acsomega.0c03781 **Published:** OCT 6 2020

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### Record 279 of 288

**Title:** Fabricating an electroactive injectable hydrogel based on pluronic-chitosan/aniline-pentamer containing angiogenic factor for functional repair of the hippocampus ischemia rat model

**Author(s):** Nourbakhsh, M (Nourbakhsh, Melika); Zarrintaj, P (Zarrintaj, Payam); Jafari, SH (Jafari, Seyed Hassan); Hosseini, SM (Hosseini, Sayed Masoud); Aliakbari, S (Aliakbari, Shayan); Pourbadie, HG (Pourbadie, Hamid Gholami); Naderi, N (Naderi, Nima); Zibaii, MI (Zibaii, Mohammad Ismail); Gholizadeh, SS (Gholizadeh, Saman Seyed); Ramsey, JD (Ramsey, Joshua D.); Thomas, S (Thomas, Sabu); Farokhi, M (Farokhi, Mehdi); Saeb, MR (Saeb, Mohammad Reza)

**Source:** MATERIALS SCIENCE AND ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS **Volume:** 117 **Article Number:** 111328 **DOI:** 10.1016/j.msec.2020.111328 **Published:** DEC 2020

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### Record 280 of 288

**Title:** Nanofibrils vs nanocrystals bio-nanocomposites based on sodium alginate matrix: An improved-performance study

**Author(s):** Deepa, B (Deepa, B.); Abraham, E (Abraham, E.); Cordeiro, N (Cordeiro, N.); Faria, M (Faria, M.); Primc, G (Primc, G.); Pottathara, Y (Pottathara, Y.); Leskovsek, M (Leskovsek, M.); Gorjanc, M (Gorjanc, M.); Mozetic, M (Mozetic, M.); Thomas, S (Thomas, S.); Pothan, LA (Pothan, L. A.)

**Source:** HELIYON **Volume:** 6 **Issue:** 2 **Article Number:** e03266 **DOI:** 10.1016/j.heliyon.2020.e03266 **Published:** FEB 2020

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### Record 281 of 288

**Title:** Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO<sub>2</sub> hybrid matrix: optoelectronics and biotechnological aspects

**Author(s):** Pal, K (Pal, Kaushik); Si, A (Si, Asiya); El-Sayyad, GS (El-Sayyad, Gharieb S.); Abd Elkodous, M (Abd Elkodous, M.); Kumar, R (Kumar, Rajesh); El-Batal, AI (El-Batal, Ahmed I.); Kralj, S (Kralj, Samo); Thomas, S (Thomas, Sabu)

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### Record 282 of 288

**Title:** Flexible papers derived from polypyrrole deposited cellulose nanofibers for enhanced electromagnetic interference shielding in gigahertz frequencies

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### Record 283 of 288

**Title:** Reliable optoelectronic switchable device implementation by CdS nanowires conjugated bent -core liquid crystal matrix

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**Title:** Gas Barrier, Rheological and Mechanical Properties of Immiscible Natural Rubber/Acrylonitrile Butadiene Rubber/Organoclay (NR/NBR/Organoclay) Blend Nanocomposites

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## Record 285 of 288

**Title:** Research for development in the 21st century

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## Record 286 of 288

**Title:** Poloxamer: A versatile tri-block copolymer for biomedical applications

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**Title:** Conductive biomaterials as nerve conduits: Recent advances and future challenges

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## Record 288 of 288

**Title:** The urgent need for integrated science to fight COVID-19 pandemic and beyond

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