

### Faculty Profile

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List of Publications :



### INTERNATIONAL JOURNALS

1. **D.J. Jeejamol**, A. Moses Ezhil Raj, K. Jayakumari, C. Ravidhas, “OPTIMIZATION OF CdO NANOPARTICLES BY  $Zr^{4+}$  DOPING FOR BETTER PHOTOCATALYTIC ACTIVITY”, Journal of Materials Science: Materials in Electronics, 2017, (DOI 10.1007/s10854-017-7893-3), Impact Factor - 1.486, ISSN: 0957-4522 (Print) 1573-482X (Online).
2. **D.J. Jeejamol**, A. Moses Ezhil Raj, K. Jayakumari, C. Ravidhas, “CdO NANOPARTICLES: FACILE SYNTHESIS AND INFLUENCE OF PARTICLE SIZE ON PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE” IOSR Journal of Applied Physics (IOSR-JAP), vol. 9, no. 5, 2017, pp. 66-73, e-ISSN: 2278-4861.

### NATIONAL JOURNALS

1. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “OUTCOME OF COPPER INCORPORATION IN THE PHOTOCATALYTIC ACTIVITY OF CADMIUM OXIDE NANOPARTICLES”, Journal of Applied Science and Engineering Methodologies, Volume. 2, No.3, 2016, 356-362, ISSN: 2347-8586.
2. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “STRUCTURAL AND OPTICAL PROPERTIES OF CO-PRECIPIATED PURE AND  $Cu^{2+}$  DOPED CdO NANOPARTICLES”, Teacher, Learner and Researcher (TELLER), 2016, 22-24, ISSN: 2349-6886.
3. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “EFFECT OF ZIRCONIUM INCORPORATION IN THE STRUCTURAL AND OPTICAL PROPERTIES OF

CADMIUM OXIDE NANOPARTICLES”, Journal of Scott Research Forum, Volume. 9, 2017, 89-100, ISSN: 0973-2705.

### **SEMINAR/CONFERENCE PROCEEDINGS**

1. **D.J. Jeejamol**, K. Jayakumari, C. Sanjeeviraja, A. Moses Ezhil Raj, “EVALUATION OF STRUCTURAL PARAMETERS OF CdO NANOPARTICLES SYNTHESIZED THROUGH CHEMICAL CO-PRECIPIATION METHOD”, National Seminar on Recent Advancements in Materials Research, Scott Christian College (Autonomous), Nagercoil, Tamilnadu, India / Sponsored by CSIR, 2012, 45-49.
2. **D.J. Jeejamol**, K. Jayakumari, C. Sanjeeviraja, A. Moses Ezhil Raj, “XRD PEAK POSITION AND BROADENING STUDIES ON CdO NANOPARTICLES PREPARED USING CO-PRECIPIATION METHOD”, National Seminar on Advanced Method of Preparation and Characterization of Newer Materials, Holy Cross College (Autonomous), Nagercoil, Tamilnadu, India / Sponsored by UGC, 2012, 35-42, ISBN: 978-81-926183-0-2.
3. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “OPTICAL AND ELECTRICAL ANALYSIS OF CADMIUM OXIDE (CdO) NANOPARTICLES SYNTHESIZED THROUGH CHEMICAL CO-PRECIPIATION METHOD” National Conference on Innovative trends in Material science (ITMS 2013), Arignar Anna College, Aralvoymoli, Tamilnadu, India / Sponsored by UGC, 2013, 36-38.
4. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “CO-PRECIPIATION OF CADMIUM OXIDE NANOPARTICLES AND EXTRACTION OF THEIR PROPERTIES”, Indo-German Conference on LASER application and Nanoscience, Muscott Hotel, Thiruvananthapuram, Kerala, India / Organized by Ramanujam Institute of Basic Sciences, KSCSTE, Goethe-Zentrum, Deutsche Forschungs Gemeinschaft (DFG), 2013, 102-103.
5. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “CO-PRECIPIATION OF CADMIUM OXIDE NANOPARTICLES AND ITS PHOTOCATALYTIC ACTIVITY IN DEGRADATION OF METHYLENE BLUE UNDER VISIBLE LIGHT”, National conference on future prospects in Multidisciplinary Research Women’s Christian College, Nagercoil, Tamil Nadu, India, 2014, 17.
6. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “CRYSTALLIZATION AND TUNABLE BAND GAP ENERGY OF Al DOPED CADMIUM OXIDE (CdO) NANOPARTICLES”, 5<sup>th</sup> National Seminar on Advances in Materials Science (NSAMS-2014), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India / Sponsored by UGC, 2014, 34-35, ISBN: 978-93-81402-16-0.
7. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, “EFFECT OF ALUMINIUM INCORPORATION ON THE MICROSTRUCTURAL PROPERTIES OF CADMIUM OXIDE NANOPARTICLES”, National Seminar on Emerging Trends in Theoretical and Experimental Physics, Sree Ayyappa College for Women, Chunkankadai, Tamil Nadu, India / Sponsored by UGC, 2015, 77-82, ISBN: 978-81-929308-2-4.

8. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, "TAILORING OPTICAL BAND GAP BY DOPING DIVALENT COPPER ( $\text{Cu}^{2+}$ ) IN CADMIUM OXIDE LATTICE", National Conference on Emerging Trends in Applied Physics-NCETAP-2015, Lekshmipuram College of Arts and Science, Neyyoor, Tamil Nadu, India / Sponsored by UGC, 2015, 68-74, ISBN: 978-81-928007-2-1.
9. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, "OUTCOME OF COPPER INCORPORATION IN THE PHOTOCATALYTIC ACTIVITY OF CADMIUM OXIDE NANOPARTICLES", International Conference on Integration of STEM Education and Mental Health (ICISEM-16), Special Session: Advances in Applied Sciences, Noorul Islam University, Kumaracoil, Tamil Nadu, India, 2016, 33.
10. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, "STRUCTURAL AND OPTICAL PROPERTIES OF CO-PRECIPIATED PURE AND  $\text{Cu}^{2+}$  DOPED CdO NANOPARTICLES", TELLER, National Conference on Technologically Advanced Materials, Muslim Arts College, Thiruvithancode, Tamil Nadu, India / Sponsored by Indian Spectroscopy Society, 2016, 22-24, ISSN: 2349-6886.
11. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, "EFFECT OF ZIRCONIUM INCORPORATION IN THE STRUCTURAL AND OPTICAL PROPERTIES OF CADMIUM OXIDE NANOPARTICLES", Ninth All India Conference of Scott Research Forum (SRF), Scott Christian College (Autonomous), Nagercoil, Tamilnadu, India, 2017, 58, ISBN: 978-93-83006-85-4.
12. **D.J. Jeejamol**, K. Jayakumari, A. Moses Ezhil Raj, "IMPREGNATION OF  $\text{Zr}^{4+}$  IONS IN THE CdO LATTICE FOR BETTER PHOTOCATALYTIC ACTIVITY", 6<sup>th</sup> National Seminar on Advances in Materials Science, NSAMS-2017, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India/ Sponsored by UGC, 2017, 17-19, ISBN: 978-93-81402-40-5.