

STAFF PROFILE

- 1) Name : Mrs. A. Yuvarani
- 2) Designation : Assistance Professor
- 3) Department : Physics
- 4) Qualification : M.Sc., M.Phil., (Ph.D)
- 5) Experience : Teaching : 4 years Research : -
- 6) Area of Specialization (s) : Nanotechnology
- 7) E-mail :yuvarani@nirmalacollegeonline.ac.in
- 8) Academic Qualifications :M.Sc., M.Phil., (Ph.D)

9) Other Publications

Conference Proceedings

- i) “Investigation of Antibacterial Activity against Escherichia coli by Zinc Oxide Nanostructures”, Novel materials for innovative research –ICNNIR- 2021 (virtual conference), Rathinam college of arts and science, Coimbatore, 29&30 April 2021.
- ii) “Photodegradation of Methylene Blue Dye by Hydrothermally Synthesized Zinc Oxide Nanorods”, ICMP&C – 2020 (e-conference), Chaitanya Bharathi Institute of Technology, Hyderabad, 18&19 September 2020.
- iii) “Influence of reaction parameters on ZnO nanostructures for antibacterial activity against Grampositivebacteria ”, Chikkanna Government Arts College, Tirupur, 5 March 2020.
- i) “Morphological variation in Zinc Oxide nanostructures and its antibacterial activity” NCEB-2016, Periyar University, Salem, 01-02 March 2018.
- ii) “Structural, Surface and Optical Properties of Nanostructured Zinc Oxide for Antibacterial Activity against Escherichia Coli ”, Sri Ramakrishna Engineering College, Coimbatore, 18-20 July2018.

10) Presentations in Conference

International

- i) Presented a paper entitled “Synthesis and Characterization of Hydroxyapatite Nanoparticles by Facile Hydrothermal Method for Antibacterial Activity” 6th International Conference on Bioscience: Towards a Sustainable Future, KSG College of Arts and Science, Coimbatore. 12 February 2020.
- ii) Presented a paper entitled “Morphology-dependent Antibacterial Activity of Zinc Oxide Nanostructures against Gram-positive Bacteria” ICANEE-2020 (e-conference), Alagappa University, Karaikudi, 16-18 Sep-2020.
- iii) Presented a poster entitled “Size and Morphology controlled synthesis of Zinc Oxide Nanoparticles for Antibacterial Activity against Staphylococcus Aureus”, 5th International Conference on Nanoscience and Nanotechnology

National

- i) Presented a paper entitled “Morphological variation in Zinc Oxide nanostructures and its antibacterial activity” NCEB-2016, Periyar University, Salem, 01-02 March 2018.
- ii) Presented a paper entitled “Structural, Surface and Optical Properties of Nanostructured Zinc Oxide for Antibacterial Activity against Escherichia Coli ”, Sri Ramakrishna Engineering College, Coimbatore, 18-20 July 2018.
- iii) Presented a paper entitled “Size Controlled Synthesis of Zinc Oxide Nanoparticles for Photo degradation of Cationic Dye”, NCESDMT-2017, Chikkanna Government Arts College, Tirupur, 19-20 January 2017.
- iv) Presented a paper entitled “Green Synthesis of Hydroxyapatite Nano-Corals”, Sri.G.V.G. Visalakshi College for Women, Udumalpet, 18-19 February 2015.
- v) Presented a paper entitled “Zinc Oxide Nanorods: An efficient Nano-Adsorbent for the Degradation of Methylene Blue Dye”, National Seminar on Advanced Materials and Applications, Karpagam University, Coimbatore, 12-13 February 2015.
- vi) Presented a paper entitled “Surfactant free synthesis of Hydroxyapatite nano-rods by hydro/solvo process: Degradation of methylene blue” NCAM-2015, St. Joseph’s College, Tiruchirappalli, 06 February 2015.

vii) Presented a poster entitled “Size Controlled Synthesis of Polygonal Mg(OH)₂ Nanoplates by Hydrothermal Method” NCAM-2015, St. Joseph’s College, Tiruchirappalli, 06 February 2015.

11) Participation in Workshop

i) National e-Workshop on MLM Style of Referencing: 9th Edition Updates on 18.6.2021, AadishaktiDhandai Mata ShikshanPrasarakSanstha's Late Annasaheb, R. D. Deore Arts and Science College, Mhasadi, Maharashtra

ii) Workshop on Fundamentals of Publishing in Top Journals on 16.6.2021, Maharaja Agrasen Institute of Management Studies, Delhi

iii) Workshop on Designing Multiple Choice Questions on 18.5.2021 & 19.5.2021, Tuljaram Chaturch and College, Pune

iv) Virtual Workshop on Academic Publications and Bibliometrics on 19.5.2021 Nirmala College for Women, Coimbatore

12) Participation in Faculty Development Programme

i) Faculty Development Programme on “Recent Developments in Materials Science - 21”, on 16.6.2021 – 22.6.2021, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore

ii) Faculty Development Programme on Recent Research Advances Materials: Water and Waste Water Treatment, 2.8.2021 – 7.8.2021, Bharat Institute of Engineering and Technology, and Indian Ceramic Society, Hyderabad

13) Awards and Achievements

Best Paper Presentation Awards:

i) “Investigation of Antibacterial Activity against Escherichia coli by Zinc Oxide Nanostructures”, Novel materials for innovative research – ICNNIR- 2021 (virtual conference), Rathinam college of arts and science, Coimbatore, 29 & 30 April 2021.

ii) “Photodegradation of Methylene Blue Dye by Hydrothermally Synthesized Zinc Oxide Nanorods”, ICMP&C – 2020 (e-conference), Chaitanya Bharathi Institute of Technology, Hyderabad, 18 & 19 September 2020.

iii) "Influence of reaction parameters on ZnO nanostructures for antibacterial activity against Grampositivebacteria ", Chikkanna Government Arts College, Tirupur, 5 March 2020.

iv) "Growth of Hydroxyapatite Nano-rods in Aqueous/Ethanol Solvent System: Growth Kinetics", National Seminar on Physics of Modern Materials, P.K.R Arts College for Women, Gopichettipalayam, 06 January 2015.