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### **Educational Profile**

1. **Ph.D.**, Bharathiyar University, Coimbatore - Highly Commended-(2020).
2. **M.Phil.**,Annamalai University, Chidambaram - (2004) - I Class.
3. **M.Sc.**, Annamalai University, Chidambaram - (2002) - I Class.
4. **B.Sc.**, S.K.S.S Arts College,Thirupanandal - (2000) - I Class.

### **Experience Profile**

Teaching Experience : 17 years

1. Working as Assistant Professor at University College of Engineering- Panruti, Panruti from 15-09-2009 to till date.
2. Worked as Lecturer at Anna university of Technology, Panruti campus,panruti from 09-01-2008 to 14/09/2009.
3. Worked as Lecturer in Dhanalakshmi Srinivasan Engineering college, Perambalur from 1-12-2007 to 31-05-2008.
4. Worked as Lecturer in Idhaya College for Women,Kumbakonam from 21-04-2007 to 30-11-2007.
5. Worked as Lecturer in Dharmapuram Adhinam Arts College,Mayiladuthurai from 07-01-2004 to 20.04.2007.

### **Conference Attended-International**

1. International conference on recent advancements in material science, The new college,Chennai,Tamil Nadu,India.
2. 5 th International conference on chemical and Environmental Research, Jamal Mohamed College, Thiruchirappalli, Tamil Nadu ,India.
3. International conference on Physics of advanced materials and Molecules,,Dr.Ambedkar Goverment Arts College,Chennai,Tamil Nadu,India.
4. International conference on Advanced materials for energy and environmental applications, Thiru Kolanjiappar Goverment Arts College, Virudhachalam,Tamil Nadu,India.

5. International conference on Advanced materials processing and Technology, Arignar Anna Government Arts college, Villupuram, Tamil Nadu, India.
6. International conference on Recent advances in materials science, National college, Thiruchirappalli, Tamil Nadu, India.
7. International conference on Emerging Trends & Innovations in Chemistry, Sengamala Thayaar Educational Trust Women's college, Manargudi, Tamil Nadu, India.
8. International conference on Advanced materials for energy and environmental applications, Government Arts college, Dharmapuri, Tamil Nadu, India.
9. International conference on Recent Trends in Chemistry, Dr. R. K. Shanmugam college of Arts and Science, Kallakurichi, Tamil Nadu, India.
10. International conference on Sustainable Scientific Advancements, Sri Vinayaga college of Arts and Science, Ulundurpet, Tamil Nadu, India.
11. International conference on Engineering Materials and Renewable Energy, University college of Engineering Villupuram, Tamil Nadu, India.
12. International conference on Recent innovations in Bio sustainability and environmental research, February 2019, Annamalai University, Chidambaram, Tamil Nadu, India.
13. International conference on Material Physics, Bishop Heber College, Thiruchirappalli, Tamil Nadu, India.
14. International conference on Computing, Communication and Drastic innovations in energy thrive, University college of engineering Panruti, Tamil Nadu, India.
15. II nd International conference on Material Science and Technology, Pachamuthu college of Arts and Science for women, Dharmapuri, Tamil Nadu, India.
16. International conference on Advanced materials and its Applications, Thanthai Hans Roever college, Perambalur, Tamil Nadu.
17. International conference on Molecular Structure of Nano and Bio Materials, Aringar Anna Government Arts College, Cheyyar, Tamil Nadu, India

18. International conference on Recent trends in synthetic methods and material chemistry,Annamalai University,Chidambaram,Tamil Nadu,India.
19. International Conference On Recent Advances In Applied Physics, Annamalai University,Chidambaram,Tamil Nadu,India.
20. International Conference On Nanomaterials And Molecular Research, St,Joseph college of arts and Science,Cuddalore.
21. International conference on perspectives in vibrational Spectroscopy, Mar Ivanios College, Kerala.
22. International Conference On Chemistry And Materials, BIT Campus,Thiruchirappali.
23. International Conference On Bioinformatics And System Biology, Annamalai University,Chidambaram,Tamil Nadu,India.

### **Conference Attended-National**

1. National conference on photovoltaic technology,St.Josephs college of Arts and Science,Cuddalore,Tamil Nadu,India,( Janauary 2020)
2. National conference on Emering trends in renewable energy and innovation in materials science,Thiru kolaniappar government arts college, Virudhachalam, Tamil Nadu,India.(2019)
3. National conference on New energy materials for secure and sustainable future, Thiru kolaniappar government arts college, Virudhachalam, Tamil Nadu,India.(2018)
4. National conference on Frontiers in Nanoscience,Annamalai University,Chidambaram, Tamil Nadu,India(2018)
5. National conference on Interdisiplinray interaction on resent innovations and prospects of phytopharmaceuticals. Annamalai University,Chidambaram, Tamil Nadu,India.(2018)
6. National conference on New materials research and nanotechnology,The Sethupathy Goverment Arts college,Ramanathapuram,Tamil Nadu,India.(2018)
7. National Conference On Hierarchically Structured Materials,SRM University,Chennai (2016.)

8. National Conference On Innovations In Environmental Research And Education,Annamalai University,Chidambaram (2015).
9. National Conference In Advanced Materials And Its Applications,Annamalai University,Chidambaram (2014).
10. National Conference On Advances In Materials Science,Annamalai University,Chidambaram (2012).

### **Extra Curricular Activities**

1. Acting as Co-Ordinator for Science Day Programme at UCEP, Panruti.

### **Administrative Activities**

1. Acting as Library Coordinator from 17.09.12 to till date at UCEP, Panruti.
2. Acted as Head of the Department from 19.10.15 to 22.04.19 at UCEP, Panruti.
3. Acted as Anti Ragging committee member from 19.10.15 to 22.04.19 at UCEP, Panruti.

### **Research Activity**

**Research:** Total Experience in Research : **12 Years**  
Area of Specialisation : Solarcell, Materials Science & Spectroscopy  
Anna University guide ship Recognition Number : 3670004

### **Journal Publication - 17**

1. International Journal Of Current Research-Volumetric ,viscometric and compressibility studies of some amino acids in aqueous magnesium nitratesolution at varying temperatures.V-3,P.NO:089-093(2010)
2. International Journal Of Current Research-Volumetric ,Viscometric And ultrasonic Study Of Amino acids in Mixed solvents At Varying Temperature,V-4,P NO:104-108(2010)
3. Journal of Materials Science: Materials in Electronics-Investigation on effect of blocking layer in perovskite sensitized pure and aluminium doped ZnO photo anode solar cell (2018)

4. Material Science proceedings-Perovskite and quantum dot sensitized solar cell based on Zno photoanode structure(2019)
5. International journal of scientific research and reviews-Study on influence of Lead free sensitizer with various Zno based photo anode structure,7(4)-pp2338-2346(2019)
6. Indian journal of pure and applied physics-Performance of ZnO-Nb<sub>2</sub>O<sub>5</sub> core shell and Aluminium doped ZnO electron transporting layer with CdS/CdSe quantum dot sensitized solar cell-V-58,PP-470-477(2020)
7. International journal of research and analytical reviews-Structural and morphology of Pristine Li Nbo 3 Rhombohedral Nanostructure synthesized by solid state reaction method,V-6,P.No(935-938) (2019)
8. International journal of research and analytical reviews-Investigation on the physical properties of the polycrystalline lithium Niobate thin films deposited by automated Nebulizer spray pyrolysis(2019)
9. Journal of emerging technologies and innovative research-Ultrasonic study of L-Glutamine in aqueous Zinc chloride solutions at 313.15K,V-6(2019)
10. Journal of emerging technologies and innovative research-Studies on molecular interactions of L-Serine in Magnesium chloride-water mixture at various temperature,V-6(2019)
11. International journal of scientific research and reviews-A new topology of single phase inventive multilevel inverter analysis of Matlab simulation (2019)
12. International journal of scientific research and reviews-Ultrasonic study of L-valine in aqueous magnesium Nitrate solutions at 303.15 (2019)
13. Solar light driven cerium molybdate nanocatalyst for effective Photodecomposition of Fuchsin Basic dye. Materials Today: Proceedings, (2020)
14. TiO<sub>2</sub>/ZnFe<sub>2</sub>O<sub>4</sub> nanospheres: An efficient, Photocatalytic, Electrocatalytic and Cytotoxicity Applications, Materials Today: Proceedings,2020
15. Cu<sup>2+</sup>/Zeolite catalyzed aldol condensation: Greener synthesis of 40-piperidinophenyl enones. Materials Today Proceedings, (2020)
16. Investigation of catalytic activity of solid acidic FeCl<sub>3</sub>/Bentonite catalyst on the synthesis of some (E)-1-(2,4-dimethylthiazol-5-yl)-3-phenylprop-2-en-1-ones by solvent-free technique, Materials Today: Proceedings,22(3)(2020)

17. Catalytic effect of nano cadmium phosphate catalyst on the synthesis of some (E)-3,4- dimethoxyphenylprop-2-en-1-ones, Materials Today proceedings, 3 , 2117–2122, 2021

### Personal Profile

Age : 40 Years

Date of Birth : 24.07.1980

Nationality : Indian

Languages Known : English, Tamil.

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