
RAJAH SERFOJI GOVERNMENT COLLEGE (Autonomous), THANJAVUR



Name : **N. PUNITHA**
Designation : ASSISTANT PROFESSOR
Department : CHEMISTRY
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Educational Qualification:

| Degree | Specialization | Period | | Class | University |
|----------|----------------|--------|------|-------|---------------|
| | | From | To | | |
| B.Sc., | Chemistry | 1997 | 2000 | First | MADRAS |
| M.Sc., | Chemistry | 2000 | 2002 | First | MADRAS |
| M.Phil., | Chemistry | 2002 | 2003 | First | BHARATHIDASAN |

Teaching Experience:

| Post Held | Institute | Period | |
|-----------------|---|------------|-----------|
| | | From | To |
| Lecturer | Sri Venkateswara Arts And Science College, Peravurani, Thanjavur. | 18.07.04 | 21.04.08 |
| Asst. Professor | Govt.Arts College, Ooty. | 13.10.2008 | 08.07.09 |
| Asst. Professor | Rajah Serfoji Govt.College (Autonomous), Thanjavur-05. | 09.07.2009 | Till Date |

Refresher course –(2)

| Course | Institute | Period | |
|---|--------------------------|------------|------------|
| | | From | To |
| UGC sponsored refresher course in Chemistry | Bharathidasan university | 06.10.2010 | 26.10.2010 |
| UGC sponsored refresher course in interdisciplinary | Bharathidasan university | 02.03.2018 | 22.03.2018 |

Orientation course-(1)

| Course | Institute | Period | |
|---|----------------------------------|------------|------------|
| | | From | To |
| Tamilnadu State council for higher education and UGC – Academic Staff College, University of Madras | Ethiraj Womens College, Chennai. | 13.10.2008 | 08.11.2008 |

Research Guidance

| Degree | Guided | Ongoing |
|---------|--------|---------|
| M.Phil. | 4 | - |
| Ph.D | - | - |
| M.Sc | 25 | 2 |

Conference/Seminar/Workshop attended-(31):

- State level seminar on “NMR Applications and Energy Materials” at Rajah Serfoji Govt. College, Thanjavur on 21.2.2011
- Inter Collegiate Seminar on “Recent Research Perspectives in Chemistry and Bio-Chemistry” at A. Veeriyar Vandayar Memorial Sri Pishpam College, Poondi on 16.12.2011.
- National Seminar on “Recent Trends in polymer and Green Chemistry” at Rajah Serfoji Govt. College, Thanjavur on 2nd and 3rd February 2012.
- National level Seminar on “New Opportunities and Challenges in Chemical Research” on 29th and 30th December 2014. And presented a paper entitled “Bioavailability Enhancement of Atorvastatin Calcium by Microwave Assisted Sulphonation” at A. Veeriyar Vandayar Memorial Sri Pishpam College, Poondi on 29-30th December, 2014.
- National Seminar on “Chemistry and Efficacy of Natural Products-A Demand in Greater use of Plant Base Drugs” at Bon Secours College for Women on 20th and 21st Feb. 2015.
- Workshop on “Microscale Experiments in Chemistry” at A. Veeriyar Vandayar Memorial Sri Pishpam College, Poondi on 14.12.2011.

- National level Workshop on “Intellectual Property and Innovation Management in Knowledge Era” at Gandhigram Rural Institute-Deemed University, Dindigul on 17th October, 2012.
- Workshop on “Manufacturing Techniques in House Cleaning and Refreshing Materials” at Rajah Serfoji Govt. College, Thanjavur on 4.3.2014.
- National level Workshop on “Modern Trends in Chemistry” Kunthavai Naacchiyaar Govt. Arts College for Women on 19.12.2014.
- National Conference on “Thin Film Science and Nano Technology” at PG and Research Department of Physics, Rajah Serfoji Govt. College, Thanjavur on 2nd and 3rd March 2015.
- National conference on “Current perspectives and Challenges in Biodiversity and its Conservation” at Rajah Serfoji Govt. College, Thanjavur on 6th and 7th March 2015.
- International Conference on “ Chemical and Environmental Research” (ICCER 2015) organized by PG and Research Dept. of Chemistry, Jamal Mohamed College(A), Tiruchirappalli on 17th December 2015.
- International webinar on “MALDI-ToF Mass Spectrometry – A novel technique to analyse latent fingerprints” at Quaid-E-Millath Government College For Women (Autonomous), Chennai-600002, Tamil Nadu. on 11th July 2020.
- National webinar on “Recent advances on applied chemistry” at St. Xavier’s college (Auto), Palayamkottai, Tamil Nadu. on 11th July 2020.
- International Webinar on “Open & Flexible Cloud Computing Platform -Microsoft Azure” jointly organised by the Department of Computer Science and Internal Quality Assurance Cell, Government Arts College for Women (Autonomous), Pudukkottai on 3/07/2020
- Webinar on “ Biomarker in Biomedical Research” Organized by PG and Research Department of Biochemistry, Dharmapuram Gnanambigai Government Arts College for Women, Mayiladuthurai during July 4th, 2020
- National Webinar on “Women empowerment: What does it actually stand for?” organized by the PG and Research Department of Physics, Government Arts College for Women (Autonomous), Pudukkottai, Tamil Nadu, on 04.07. 2020.
- FDP on “Pedagogical tools for effective online teaching” organized by IQAC, Islamia Womens Arts and Science college, Vaniyampadi, from 29.06.2020 to 30.06.2020.
- Webinar on “Methods and mechanism of CO₂ and H₂ adsorption in metal-organic frameworks” at Chennai Institute of Technology. On 01/07/2020.
- Webinar on “Oxygen Electrocatalysis: The Holy Grail of Energy Conversion and storage” at Chennai Institute of Technology. On 29/06/2020.

- Webinar on “Elemental carbon for new generation devices” at Dept. of Science and humanities, SRM TRP Eng., College, trichy. On 29/06/2020
- Webinar for Faculty Development Programme on “Awareness Programme about Academic Services at MHRD - INFLIBNET” jointly organised by the IQAC, Government Arts College (Autonomous), Salem - 7 and INFLIBNET Centre, Gandhinagar, Gujarat on 25.06.2020.
- International level Webinar on “Biomedical Approaches of Green Synthesized Bio-Nanoparticles towards Cancer Therapy” conducted by Department of Chemistry, Government Arts College (Autonomous), Salem-636007 on 26. 06. 2020
- International webinar on “FOODS: FABULOUS MEDICINES” held on 26.06.2020 at Govt. Arts college for Women, Selam-08.
- Seven day Online International Faculty Development Programme titled “Leadership Excellence” organised by the Department of Corporate Secretaryship and Information Systems Management, Justice Basheer Ahmed Sayeed College for Women (Autonomous), Chennai-600 018 from 17th june to 23 june 2020.
- Webinar on “Corona induced lockdown and Indian agriculture” at Govt. Arts College for Women (auto), Pudukkottai, on 22/06/2020.
- Webinar on “Lab-on-a-chip based sensor” at Govt. Arts college (A), Selam, on 21/06/2020.
- International webinar on The Recent strategy in chemistry world on 19/6/2020 at Govt. Arts college(A), Selam-7.
- FDP on “Funding schemes and patenting scientific innovations” at Govt. Arts college, Trichy-22. On 13/06/2020.
- Webinar titled "Internal Quality Assurance Mechanism" held on 25/05/2020 organized by IQAC Cell with Chennai Softech - Technical Partner at Sengamala Thayar Educational trust women’s college.
- Semiar on “Curriculum Development and Design” on 16th December 2020 at Rajah Serfoji Govt. College, Thanjavur.

Paper presentations: (4)

- “Bioavailability Enhancement of Atorvastatin Calcium by Microwave Assisted Sulphonation” in the National level Seminar on “New Opportunities and Challenges in Chemical Research” at A. Veeriyar Vandayar Memorial Sri Pishpam College, Poondi on 29th and 30th December 2014.
- “Microwave Promoted Synthesis of Schiff Base Ligand Using Natural Acid Catalyst and its Nickel(II) and Copper(II) Complexes” in the International Conference on “ Chemical and Environmental Research” (ICCER 2015) organized by PG and Research Dept. of Chemistry, Jamal Mohamed College(A), Tiruchirappalli on 17th December 2015.

- “Preparation and Characterization of Atorvastatin Calcium nanoparticle with *Moringa Oleifera* Gum” in National Conference on “Thin Film Science and Nano Technology” at PG and Research Department of Physics, Rajah Serfoji Govt. College, Thanjavur on 2nd and 3rd March 2015.
- “Effect of Natural Polymer on Solubility of Atorvastatin Calcium Inclusion Complex by Nano Precipitation Method” in National Conference on “Thin Film Science and Nano Technology” at PG and Research Department of Physics, Rajah Serfoji Govt. College, Thanjavur on 2nd and 3rd March 2015.

Paper publications: (1)

- “Solubility and Dissolution Enhancement of Simvastatin by the Preparation of Nano Particles Solid Dispersion Using Natural Polymer” in an International Research Journal of Nano Science & Technology, Nano Vision Vol. 5, Issue 4-6, April-June, 2015. Pages : 139-148. ISSN 2231-2579(Print), 2319-7633 (Online).

Others:

- Act as a **Panel Member** in the National Seminar on “Chemistry and Efficacy of Natural Products Demand in Greater use of Plant Base Drugs” held on 20 & 21st Feb-2015, organized by Dept. of Chemistry, Bon Secours College for Women, Thanjavur-06
- Act as Organizing secretary for three days National Level E-quize on “Solid State Chemistry” between 26.06.2020 - 28.06.2020