

Faculty Profile

Name : N. Sumangala Devi
Designation : Assistant Professor (Sl.Grade)
Department : Physics
Date of appointment : 05/12/2007
Fields of specialization : Materials Science, Molecular Spectroscopy,
Biocarbon Materials
Communication Address : 3/151-1, College Road, Virudhunagar, 626 001,Tamilnadu, India
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1.Academic Qualifications:

| Degree | Name of the College | Board / University | Specialization | Year | Division |
|---------|---|-----------------------------------|---------------------------|----------|----------|
| B.Sc | S.F.R College for Women Sivakasi | Madurai Kamarajar University | Physics | 2003 | First |
| M.Sc | V.V.V College for Women Virudhunagar | Madurai Kamarajar University | Physics | 2005 | First |
| M.Phill | V.H.N.S.N College Virudhunagar | Madurai Kamaraj University | Physics | 2006 | First |
| M.SC | Manonmanium Sundaranar University Tirunelveli | Manonmanium Sundaranar University | Yoga for Human Excellence | 2016 | First |
| Ph.D | V.H.N.S.N College Virudhunagar | Madurai Kamaraj University | Physics | Pursuing | |

2.Teaching Experience:

Teaching Experience (Government / Government Aided) : P.G. level : 12 Years

U.G. level : 15 Years

3.Publications

(i) Journals:

1.Franck-Condon factors and r-centroids for the band systems a-X,b-X and c-X of AuH molecule, Asian journal of Molecular Spectroscopy, 10,2006, 51-54.

2.Modification techniques to improve the capacitive performance of biocarbon materials, Journal of Energy Storage, Volume 33, 2021, 101870.

(ii) Conference/Seminar:

1.Presented a paper on "Nuclear power a feasible alternative for sustainable development of power in india", proceedings of National Seminar on Nuclear Energy -Powering the Future, 21st &22nd February 2014.

4.Training -Orientation / Refresher / Other Courses attended:

| Name of the Course | Academic Staff College, University | Duration in Days | Date | |
|---|------------------------------------|------------------|-----------|------------|
| | | | From | To |
| Orientation Programme | UGC- Madurai Kamaraj University | 28 | 24.9.2008 | 21.10.2008 |
| Refresher course in Research Methodology | UGC- Pondicherry University | 21 | 16.5.2012 | 05.6.2012 |
| Refresher course in Physics | UGC-Bharathiar University | 21 | 11.9.2013 | 01.10.2013 |
| Refresher course in Nano -Science (Interdisciplinary) | HRDC- University of Madras | 21 | 04.7.2018 | 24.07.2018 |
| Leaders of Learning | Harvard University | - | July 2020 | |
| Competence Building for Young Teachers | UGC Sponsored | 3 | 17.2.2011 | 19.2.2011 |

5.Contribution to the College:

- ✓ Served as NSS Programme Officer (Unit No:167) from 2015 to 2017
- ✓ Serving as a Member in Discipline Committee
- ✓ Handled Remedial classes for UG SC/ST students under UGC scheme
- ✓ Served as a Member in Campus Facility Committee
- ✓ Served as Department Lady Coordinator
- ✓ Served as a Member in Library club
- ✓ Serving as department Incharge for Cultural activities and acted as Judge for Various Cultural Activities

6.Organizing seminars /conferences/workshops and other college Activities:

(i) Served as Organizing Member

| Name of the Seminar / Conference / Symposia Workshop etc. | Name of the sponsoring agency | Date |
|--|--|---------------------------|
| Social Roots of Gender Violence in India – Processes Related to Economic, Social and Cultural Transformation among women | Rajiv Gandhi National Institute of Youth Development | 26.02.2016 and 27.02.2016 |
| Awareness rally on Nuclear Energy | kudankulam Nuclear Power Plant | 20.2.2014 to 22.2.2014 |
| One day workshop on Holistic health for women | - | 27-12-2016 |
| Five days Residential training programme on capacity building and empowerment of rural women | Rajiv Gandhi National Institute of Youth Development | 15-12-2016 to 19-12-2016 |
| Research Methodology | - | 23-07-2016 |

(ii) Served as Resource person /Member

| S.No | Programme | Acted As | Title | Date |
|------|---|-----------------|---|---|
| 1 | MNRE Sponsored National Level Seminar | Member | Innovative Strategy for technological developments in RE Sector | 3.3.2011 to 4.3.2011 |
| 2 | UGC Sponsored National Level Conference | Member | Energy Conservation and Renewable Energy Technology | 26 th and 27 th August 2011 |
| 3 | TNSCST Sponsored In-service Training Programme | Resource Person | In-service Training Programme for secondary grade science Teachers of Virudhunagar district | 21.11.2011 To 25.11.2011 |
| 4 | TNSCST Sponsored Young Student Scientist Programme | Resource Person | Young Student Scientist Programme-2012 | 02.5.2012 To 21.5.2012 |
| 5 | TNSCST Sponsored Young Student Scientist Programme | Resource Person | Young Student Scientist Programme-2013 | 01.5.2013 To 20.5.2013 |
| 6 | Kudankulam Nuclear Power Plant Tamilnadu Sponsored National Seminar | Member | National Seminar on Nuclear Energy-Powering the Future | 20 th -22 nd February 2014 |
| 7 | State Level seminar | Member | Energy and Environment | 28.9.2017 |

7.Participated in Seminars /Conferences/Workshops

1. Participated in national level workshop on Recent Advancements in Materials Science by department of physics, Alagappa university, karaikudi on 7.3.2008.
- 2.Participated in workshop on Research Orientation for Science Lecturers organized by Research Committee (Science), V.H.N.S.N College, Virudhunagar on 17.4.2008.
- 3 Participated in the national level seminar on Recent Advancement in Space Research and Astrophysics organized by department of physics V.V.V College, Virudhunagar on 27.2.2009.
4. Participated in UGC sponsored national level workshop Micro controllers and Embedded Systems organized by department of Physics and CSE, V.H.N.S.N College, Virudhunagar from 3.7.2009 to 4.7.2009.
5. Participated the special lecture on Astronomy organized by department of physics, S.F.R college for women, Sivakasi on 29.3.2010.
6. Participated in the national conference NANO FIESTA 2k12 from 7.3.2012 to 8.3.2012 at Mepco schlenk engineering college, sivakasi.
7. Participated in the national level seminar on Nano Materials at V.V.V College, Virudhunagar on 5.2.2013.
8. Participated the guest lecture on safety features in Indian nuclear power plants under the cluster of colleges joint faculty meeting in physics on 20.9.20214
9. Participated in Disaster awareness programme from 6.10.2015 to 7.10.2015, organized by NSS and NCC, V.H.N.S.N College, Virudhunagar.
10. Participated the guest Lecture on Nano Technology under Virudhunagar district cluster of colleges meeting in Ayya nadar Janakiammal college, Sivakasi on 17.10.2015
11. Participated the guest Lecture on "physics of the sun" under the cluster of colleges meeting in physics on 19.12.2015.

8.List of Sponsored Projects-ongoing/completed

1. "Value addition to the Agro Industrial Coproducts by Converting them into Activated Carbon for Environmental Applications" by Maha Mathi Enterprises, Salem, Tamilnadu (2019-2021), Rs. 1,00,000 (**Investigator**).