

# **PROFILE**

*Name* : Dr (Smt). M.Sarada

*Date of Birth* : 14 - 09 - 1973

*Qualification* : M.Sc., M.Tech., PhD

*Designation* : Assistant Professor of Physics,  
KVRGCW(A), Kurnool  
Affiliated to Cluster University, A.P.

*Date of Joining in Service* : 27-08-1998

*Date of joining as DL* : 27/11/2010

*Date of joining in present station* : 23-09-2021

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*Born to Sri M. Venkateswarlu and Smt.M. Shyamala*

## **Education**

1. Schooling from Panyam Cements High School, Cement Nagar, Kurnool district, Andhra Pradesh
2. Intermediate from Panyam Cements Junior College, Cement Nagar, Kurnool district, Andhra Pradesh (1989-1991)
3. Bachelors Degree from KVR Government College for Women, Kurnool, Andhra Pradesh (1991-1994)
4. M.Sc. (Physics) specialization in Spectroscopy, Sri Krishna Devaraya University, Anantapur, A.P. (1994-1996)
5. M.Tech (Energy Management), Sri Venkateswara University, Tirupati, Andhra Pradesh. (1996-1998)
6. PhD (Physics) specialized in Biophysics, Osmania University, Hyderabad. (Awarded in 2012).

## **Employment**

Recruited as Junior Lecturer in Physics in the year 1998 through Andhra Pradesh College Service Commission. Promoted as Lecturer in Physics in the year 2010.

## *Teaching Experience*

*23 years of experience in teaching Physics at college level*

## *Research*

*Title of the thesis “Studies on Microwave propagation properties of some biological tissues”*

## *Areas of Interest*

*Multidisciplinary approach of physics where the underlying principles and concepts of physics are applied especially in biology (Biophysics).*

## *Training Programs*

- 1. Attended Interdisciplinary Refresher Course on Environmental Sciences Organised by Academic Staff College, Andhra University, Vishakhapatnam from 05.09.2012 to 25.09.2012.*
- 2. Attended Orientation Course from HRDC, JNTU, Hyderabad from 15.09.2014 to 14.10.2014.*
- 3. Three Day Residential Program on “Geo-Spatial Intelligence”, Organised by APHRDI, Bapatla, A.P in the year 2016.*
- 4. Five Day Residential TOT Program on “Youth Leadership and People Skills”, Organised by JKC, Govt College Rajahmundry in the year 2016.*
- 5. Attended Refresher Course in Material sciences from August 4 to 24, 2017, conducted by UGC-HRDC, University of Hyderabad, Hyderabad.*
- 6. One week FDP on OUT COME BASE EDUCATION , Organized by E & ICT Academic, NIT Warangal at IIIT DM, Kurnool from May 6 to 11, 2019.*
- 7. One week short term course in MOOCS, E-CONTENT DEVELOPMENT & OER from January 6 to 11, 2020, organized by UGC HRDC, SVU, Tirupati.*
- 8. One week online short term FDP on NANO Material Characterization Techniques & result analysis methodology : Ideas, Innovations and Innovatives organized by UGC, HRDC, Savithri Bai Phule, Pune University from July 27 to 31, 2020 under PMMMN MTT.*
- 9. NPTEL online certification on Laser : Fundamental & Applications, Sep to Nov, 2020.*
- 10. One week national level online FDP on “Innovation to Academicians” organized by Ramachandra College of Engineering in Association with NSTEDB , DST, GOI, New Delhi from May 11 to 16, 2020.*
- 11. One week online FDP on “The use of virtual Physics Labs - Creating Next Generation Teachers” Geethanjali College of Engineering & Technology in Association with Indian Society of Technical Education from May 20 to 24, 2020.*

12. Online FDP on "Teaching Pedagogy after Covid-19" organized by Bharath Institute of Higher Education and Research, Chennai on May 15<sup>th</sup>, 2020.
13. FDP on Research trends in material frontiers by St. Joseph College of Engineering, Chennai from May 29 to 30, 2020.
14. Five day APCCE - US Faculty Development Programme on new knowledge in Physics and Energy Materials, Advanced Research Techniques by CCE, Govt. of Andhra Pradesh from July 6 to 10, 2020.
15. One day FDP on Recent Research in Modern Physics by Dept. of Physics, Saranathan College of Engineering, Tiruchipalli on July 23<sup>rd</sup>, 2020.
16. Five day FDP on LMS Video and Pedagogy by CCE, AP Vijayawada from August 3 to 7, 2020.
17. One week National Level FDP on online training on MOODLE Learning Management System organized by JNTUH College of Engineering, Sulthanpur in Association with spoken tutorial project, IIT Bombay from June 10 to 15, 2020.
18. Completed 16 week SWAYAM ARPIT online course from 1-12-2020 to 31-03-2021 on PEDAGOGICAL INNOVATIONS AND RESEARCH METHODOLOGY with grade "A"(94%) in the proctored examination held on 21-08-2021.
19. Learning management system (LMS) developed e-content and prepared four videos(Text,PPT,videos,self assesment questions ) in paper VI Modern Physics for the chapter MATTER WAVES(ccelms.ap.gov.in).

## ***Publications***

1. Six research papers were published in a National Journal i.e. Journal of Pure and Applied Physics.
2. Fifteen review papers were published in conference proceedings.

## ***LIST OF PUBLICATIONS***

1. M.Sarada & Adeel Ahmad, Study on Biological Lossy Dielectrics at Microwave Frequencies, J. Pure & Appl. Phys., Vol. 22, No. 2, April-June, 2010, pp. 385-394, ISSN 0974 - 8970.
2. M.Sarada & Adeel Ahmad, Microwave Dielectric Spectroscopy of Contractile Tissues, J. Pure & Appl. Phys., Vol. 22, No. 3, July - Sept, 2010, pp. 587-592, ISSN 0974 - 8970.
3. M.Sarada & Adeel Ahmad, Microwave Propagation and Dielectric Study of Connective Tissues, J. Pure & Appl. Phys., Vol. 22, No. 4, Oct- Dec, 2010, pp. 613-616, ISSN 0974 - 8970.
4. M.Sarada & Adeel Ahmad, Epithelial Tissue- Study on Microwave Propagation Properties, J. Pure & Appl. Phys., Vol. 23, No. 1, Jan - March, 2011, pp. 5-9, ISSN 0974 - 8970.



5. M.Sarada & Adeel Ahmad, Study on Water Content in Biological Tissues, J. Pure & Appl. Phys., Vol. 23, No. 2, April-June, 2011, pp. 263-264, ISSN 0974 - 8970.
6. M.Sarada & Adeel Ahmad, Study on Microwave Dielectric Properties Of a Nervous Tissue-Brain, J. Pure & Appl. Phys., Vol. 23, No. 3, July-Sept, 2011, pp. 379-383, ISSN 0974 - 8970.

### *List of Conference Proceedings*

1. M.Sarada, "Strategies for Strengthening Higher Education System In India", National Seminar on Reforms in Education System at under Graduate Level- July, 2013, pp. 121-125.
2. M.Sarada, "Conservation and Management" - A Tool for Environmental Protection and Sustainable Development, National Seminar On Green Chemistry: Contribution to the Environmental Sustainability, 2015 ISBN: 978-93-82163-16-9, pp 174-181.
3. M.Sarada, "Biodiversity Erosion in response to Global Climate Change", New Horizons in Biotechnology, Paramount Publishing House, India, pp 180-182, 2015, ISBN: 978-93-82163-18-3.
4. M.Sarada, "Yoga and Holistic Health", National Seminar on Role of Sports and Nutrition: Its impact on personality development, 2015 ISBN: 978-81-921580-6-8, pp 286-288.
5. M.Sarada, "An Effective Lecture Method- The Best Pedagogical Practice of Science Education", National Seminar on Innovations in Science Education: A Research Oriented Approach, ISBN: 978-93-82163-92-3, pp. 209-211
6. M.Sarada, "Health Assessment of the River Ganga", JeevaNadulu, ISBN: 978-93-85132-10-0, pp. 194-196.
7. M.Sarada, "Women and Globalization", ICSSR National seminar Proceedings on Globalization: A Strategy Towards Women's Empowerment, 2016, ISBN: 978-93-85101-15-1, pp.286-288.
8. M.Sarada, "Radiation Therapy for Cancer", National Seminar on Cancer Biology-2016, ISBN: 978-93-85101-21-2, pp.173-176.
9. M.Sarada, "Green Energy Sources", National Seminar on Advances in Green Chemistry-2016, ISBN: 978-93-85101-06-9, pp.280-283.
10. M.Sarada, "Environmental Impact Assessment", National Seminar on Role of Chemistry in Human Health and Environmental Protection-2016, Paramount Publishing house, ISBN: 978-93-8150-132-8, pp. 161-163.
11. M.Sarada, "Extinction Risk from Climate Change", National Seminar on Anthropogenic Environmental Change and Emergence of Infectious Diseases in Wild Life-2016, Paramount Publishing house, pp.51-53, ISBN: 978-93-85100-70-3.

12. *M.Sarada, "Empowering Indian Women in Science and Technology", National Seminar on Changing Scenario of Women in Era of Globalization: Issues and Concerns-2018 , Paramount Publishing house, pp. 298-301, ISBN: 978-93-85101-41-0.*
13. *M.Sarada, "Strategies to Curb Women Trafficking in India", Proceedings of Two Days International Seminar on International Terrorism and Women Trafficking: Issues and Concern-2019, Paramount publishing house, PageNo.447-449, ISBN:978-81-939248-7-7, (2019).*
14. *M.Sarada, "Innovative Pedagogical Practices in Higher Education", Proceedings of One Day National Seminar on Role of Pedagogy in Higher Education, Paramount Publishing House, Page No.27-31, ISBN:978-93-88808-68-2, (2019).*
15. *M.Sarada, "Patent filing in India", Proceedings of one day National Seminar on Intellectual property rights - Global Scenario, Paramount Publishing House, Page No.195-200, ISBN : 978-93-88808-77-4, (2020).*

### ***Academic Activities***

- *Life Member of Indian Science Congress Association.*
- *Acting as BOS Member.*
- *Acted as Paper Setter.*
- *Acted as JKC Coordinator at Govt. College for Men, Kurnool during the period 2014 to 2017.*
- *Attended and presented papers in several National / International Seminars and conferences.*
- *Delivered an invited talk at 103<sup>rd</sup> Indian Science Congress at University of Mysore, Mysore.*
- *Mana TV Live Presenter*
- *LMS, E content generator*