

PERSONAL PROFILE

Dr. P SURYANAGI REDDY

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Name of the Lecturer : Dr. P. SURYANAGI REDDY

Designation : Lecturer in Physics

Date of Appointment : 20-11-1995

Contact no : 9491155894

Mail Id : suryassbn19@gmail.com

Teaching experience : 28 Years

Qualification : M.Sc., M.Phil., Ph.D., B.Ed.,

**Residential Address : Dr. P. Suryanagi Reddy, Flat No.303: Aiswaryam
Homes, I Road, Anantapuram – 515 001, A P
Phone : 08554 – 233894 (Res)**

Dissertation (M.Phil.): “Studies on Optical Absorption Photoluminescence Spectra of Certain Rare Earth Ions Doped Alkali Borotellurite Glasses”.

Thesis (Ph.D.) : “Studies on near Surface and Columnar Aerosols over a semiarid region in Southern India: A multi-Instrumental Approach from Ground and Satellite observations”.

TEACHING EXPERIENCE

S.no	Name of the Institution	Place of Institution	Designation	Period
1	S.A.R.M. Degree College	Allagadda, Kurnool District	Lecturer	20-11-1995 to 02-08-1998.
2	The Adoni Arts & Science College	Adoni, Kurnool District	Lecturer	03-08-1998 to 20-08-2002.
3	S.D.G.S. College	Hindupur	Lecturer	21-08-2002 to 09-06-2013.
4	S.S.B.N. Degree College(Autonomous)	Anantapur	Lecturer	10-06-2013 to 08-09-2021.
5	Government Degree College(M),	Anantapur	Lecturer	09-09-2021 to 08-10-2021.
6	S.V.G.M. Govt. Degree College	Kalyandurg	Lecturer	09-10-2021 to till date

Awards Received:

- 1. NATAAA TELUGU NANDI NATIONAL AWARD-2022**
- 2. Meritorious Certificate:** Received under the category of “Best Employee (O.H.) from the Govt. of Andhra Pradesh On the eve of International Day of Disabled Persons – 2017.

Research Papers Published:

1. The Impact of Lockdown on eBC Mass Concentration over a Semi-arid Region in Southern India: Ground Observation and Model Simulations. Aerosol and Air Quality Research. 21(11), 1-18, 210101.
2. Diurnal, seasonal and vertical distribution of carbon monoxide levels and their potential sources over a semi-arid region, India. Atmósfera. 35(1), 165-178.
3. Impact of aerosols on surface ozone during COVID-19 pandemic in southern India: A multi-instrumental approach from ground and satellite observations, and model simulations. Journal of Atmospheric Solar-Terrestrial Physics, 212, 105491.

4. Effect of Capping Agent on structural and photo luminescence Properties of ZnSnano particles. International Journal of Luminescence and Applications, Vol-5, (4) ISSN 2277-6362 International Dec 2015.
5. Studies on optical absorption Spectra of certain rare earth ions doped Borotellurite Glasses: The International journal of analytical and experimental modal analysis Volume XII, Issue IX, September/2020 ISSN NO:0886-9367.
6. Determination of Manganese in Grape Wine using Light emitting diode as Light Source: www.jetir.org (ISSN-2349-5162) JETIR July 2020, Volume 7, Issue 7.
7. Studies on Photo Luminescence Spectra of Certain rare earth ions Doped Alkali Borotellurite Glasses: International Journal of Advances in Engineering and Management (IJAEM) Volume 2, Issue 5, pp: 681-686 www.ijaem.net ISSN: 2395-5252.
8. Structure and photoluminescence properties of Na (Sr, Mg)VO₄:Eu³⁺+red emitting phosphor: International Journal of creative Research Thoughts (IJCRT) Volume 8, Issue 7 July 2020 | ISSN: 2320-2882
9. Measurement of surface Tension by pediatric Medicine Dropper: Journal of Emerging Technologies and Innovative Research (JETIR)www.jetir.org.JETIR December 2018, Volume 5, Issue 12
10. Determination of Fluoride Ion Concentration in Tooth Powder Sample by Designing and Developing of PC based Instrumentation: International Journal of Science and Research (IJSR) ISSN: 2319-7064 ResearchGate Impact Factor (2018): 0.28 | SJIF (2019): 7.583
11. Determination of manganese in ground water: International journal of Multidisciplinary Advanced research trends ISSN: 2349-7408 volume xiii, issue 2(4) august, 2016.
12. Digital and Disruptive Technologies in India

Papers Presented at Seminars/Conferences:

- ❖ Delivered an invited talk entitled “Characterization of Nano materials” on 12-03-2020 in the UGC sponsored Two-day National Seminar on Emerging Materials and Applications held at Departments of Physics & Chemistry, S.S.B.N. Degree College, Anantapur.
- ❖ Presented a paper entitled “Physical Studies of p-n-heptyl Benzoate Liquid crystal” in the UGC Sponsored National Conference on Recent Trends in Materials Science (NCRTMS-2019) on 9th and 10th March 2019 organized by Departments of Physics & Chemistry, S.S.B.N. Degree College, Anantapur
- ❖ Presented the paper on “Direct radiative forcing properties of Atmospheric Aerosols over Anantapur” on 27th – 28th January 2018 organized by the Department of Physics, S.K. University, Anantapuramu.
- ❖ Presented a research paper entitled “Abinitio and DFT investigations on some organic acids relevant to Tropospheric Aerosols in two-day National Conference on Environment and Climate Change: Issues and Challenges (ECCIC-2017) during 10th – 11th March 2017 held at Department of Physics, Sri krishnadevaraya University, Anantapuramu.
- ❖ Presented a paper entitled “Importance of ICT in Education” in the National Conference on ICT Empowered Teaching, Learning and Evaluation (NCICT-2016) organized by the Internal Quality Assurance Cell, S.S.B.N. Degree College, Anantapur on 16th and 17th December 2016.
- ❖ Presented a paper entitled “Synthesis and characterization of zn nano particles by chemical co-precipitation method” in the two-day UGC & APSCHE sponsored National Seminar on Nano Materials and Global Perspectives held at Govt. College(M) UG & PG, Anantapuramu on 30 & 31 January 2015.

- ❖ Presented a paper entitled “Recent Challenges in Higher Education” in the National work Shop on recent Trends and Challenges in Higher Education” organized by Affiliated College Teachers’ Association (ACTA-AP) in collaboration with S.S & N. College, Narasaraopet, Guntur District, A.P.

University Level Role:

- Acted as BOS Chairman in Physics (U.G.) in S.K. University region, Anantapur District.
- Acted as BOS Member in Physics (U.G.) in S.K. University region during 2013 – 2016.
- Acting as Question Paper Setter of different Universities/Autonomous Colleges.

College Level Role:

- Working as IQAC Coordinator.
- Worked as Academic Advisor for Academic Audit.
- Convener for College day Celebrations - 2021-22 & 2022-23
- Convener for Examination Committee.
- Convener for Monitoring committee (CCTV installation and Public address system).
- Convener Disposal of Old, unusable and unserviceable Lab Material, Furniture & Books committee.
- Guest speaker for Students Induction Program at GDC, Penukonda.
- Guest speaker for Student exchange program at GDC Rayadurg.
- Acted as BOS Member in Physics (UG&PG) in S.S.B.N. Degree College (Autonomous), Anantapuramu.
- Acted as Councilor for UG Courses, Dr. B. R. Ambedkar Open University Study Centre, Hindupur during 2007-2013.
- Attending Spot valuation and Practical examination work regularly.

- Acted as “Jury Member” for Science Fair at Anantapur& Sri Sathyasai Districts
- Taught M.Sc. Physics for P.G. Students at S.S.B.N. Degree College (Anantapur) during 2014-2021.
- Taught Intermediate Physics (BIE, A.P.) for more than 13 years at A.A.S. College, Adoni and S.D.G.S. COLLEGE, Hindupur.(Both are Composite Colleges)

External Work/Community Service:

- ✓ Participated to collect donations for flood relief.
- ✓ Participated in community work through AIDS rally and Janmabhoomi program.
- ✓ Participated in N.S.S. Program
- ✓ Participated in ODF (AP Govt. Model Programme)
- ✓ Small family norms were adopted

Co-curricular Activities:

- Organizing Quiz programs, Group discussion at college level and preparing the students for the preparation at other places.
- Science Club is organized and a library is maintained for the poor Students

Enrichment of Campus life:

- Assistance given to the Head of the institution for Administrative work.
- Participating in the activities like Campus beautification by undertaking plantation and their maintenance.

Membership:

- Science Reporter.
- Breakthrough Science Society, Kolkatta

**Trainings received/National seminars/National Conferences/
Workshops attended**

S.NO	Name of the Institution/ Organization	Name of the Course	Duration of the course
1	S.V. University, Tirupati	Orientation Course	19-04-1999 to 15-05-1999
2	S.V. University, Tirupati	Refresher Course	05-03-2007 to 24-03-2007
3	S.K.Univeristy, Anantapuramu	Refresher Course	28-09-2007 to 18-10-2007
4	Osmania University, Hyderabad	Refresher Course	09-06-2010 to 29-06-2010
5	Department of Physics, S.K.Univeristy, Anantapuramu	National Seminar on Atmospheric Science	24-02-2006 to 25-02-2006
6	Department of Astronomy, Osmania University, Hyderabad	Workshop on Astronomy & Astrophysics	01-02-2006 to 03-02-2006
7	S.S.B.N. Degree College (Autonomous), Anantapur	Embedded Systems and Applications	4 th Feb, 2007
8	Sri PadmavathiMahilaVisvavidyalayam, Tirupati	National Seminar on Development in Higher Education – Impacts and Implications	29-08-2010 to 30-08-2010

9	Department of Physics, S.K.Univeristy, Anantapuramu	National Seminar on Physical Techniques in Structure Determination of Biomolecules	21-10- 2008 to 22-10- 2008
10	University of Hyderabad	Work Shop on Professional Development Program.	15-11- 2010 to 20-11- 2010
11	Govt.College (M) UG & PG, Anantapuramu	National Seminar on Nano Materials and Global Perspective	30-01- 2015 to 31-01- 2015
12	Department of Statistics, S.S.B.N.Degree College, Anantapuramu	National Workshop on Statistical Tools for Physical and Social Sciences	08-02- 2014 to 09-02- 2014
13	Department of Physics, Loyola Degree College(YSRR), Pulivendula, Kadapa(Dist)	National Conference on Recent Advances in Material Science	01-11- 2014 to 02-11- 2014
14	Indian Institute of Science, Bengaluru	Workshop on Physics Experiments using exp EYES	16-08- 2015
15	Centre for Skill Development, S.K. University, Anantapuramu	Workshop for University & College Teachers on Skill Based Courses	21-03- 2016 to 22-03- 2016
16	SatishDhawan Space Centre SHAR,Indian Space Research Organization, Department of space, Sriharikota	World Space Week 2016 Celebrations	04-10- 2016 to 10-10- 2016
17	Internal Quality Assurance Cell (IQAC), S.S.B.N.Degree College, Anantapuramu	National Conference on ICT Empowered Teaching, Learning and Evaluation (NCICT-2016)	16-12- 2016 to 17-12- 2016

18	Department of Physics, S.K. University, Anantapuramu	National Conference on Environment and Climate Change: Issues and Challenges - 2017	10-03- 2017 to 11-03- 2017
19	Internal Quality Assurance Cell (IQAC), S.S.B.N.Degree College, Anantapuramu	National Conference on Academia Digital Transformation (Challenges and Opportunities) (NCADT-2017)	15-12- 2017 to 16-12- 2017
20	Women Empowerment Cell S.S.B.N.Degree College, Anantapuramu	National Workshop on Women Entrepreneurship (NWE-2017)	22-12- 2017 to 23-12- 2017
21	Department of Physics, S.K. University, Anantapuramu	Facing challenges on Environment,climate change,Agriculture and Human health.National and Regional Scenario(ECAH- 2018)	27-01- 2018 to 28-01- 2018
22	Govt. College (Autonomous), Anantapuramu	National Seminar on Role of Women on Contemporary Issues and Challenges – National Perspective	06-02- 2018 to 07-02- 2018
23	CCE, Amaravathi	TOT on Solar Energy	10-08- 2022 to 14-08- 2022
24	S.B.V.R. Degree and P.G. College,	FDP on Technology	25-05-

	BADVEL-KADAPA	Assisted Teaching and Virtual Learning through ICT tools	2020 to 30-05-2020
26	GMR Institute of Technology, Kakinada	Recent Trends in Nanotechnology & Signal Processing	23-08-2021 to 29-08-2021

Articles Published: 04

1. VikalangulakediBharosa (Telugu)-Akshra News Magazine February 2014
2. The story Semiconductors - College Magazine - 2014-15
3. Science in the Kitchen- College Magazine - 2015-16
4. Scientists of Modern India - College Magazine - 2016-17

I declared that the above information furnished by me are true and correct to the best of my knowledge.

Place: Anantapuram

Date : 10-03-2024



Signature

(Dr. P. Suryanagi Reddy)