



P.E.S. College of Engineering, Mandya – 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)



Faculty Profile

General

Name	Rajani G
Designation,	Assistant Professor
Department & Affiliated Institution	Department of Physics, P.E.S College of Engineering, Mandya – 571 401
Research Area	Solar Physics
Contact Number	+91 9739946866
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Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	%	Class
Ph. D	VTU,RRC Belagavi, Karnataka	Visvesvaraya Technological University, Belagavi, Karnataka	Pursuing	-	-
M. Sc.,	Government college,Mandya	University of Mysore, Mysuru	2011	79	I - Class
B. Sc.,	Government college for women, Mandya	University of Mysore, Mysuru	2009	79	I - Class

Professional Experience

Organization & Department	Designation	Period	Total Experience
P.E.S. College of Engineering, Mandya	Assistant Professor	24-08-2019 to Till date	
GSSSIETW, Mysuru	Assistant Professor	2013 to 2018	5 years
NIEIT, Mysuru	Assistant Professor	2012 to 2013	1 year
Bharathi College, Bharathinagara, Mandya	Lecturer	2011 to 2012	1 year

Reports on Academic and Research Activities

Academic Activities

Course/Topic Taught	Teaching Records (Details of courses taught)
B.E./B.Sc(Hon)	B.E.: Engineering Physics : Modern Physics & Quantum Mechanics, Elasticity, Photonics, Crystal structure, Nano materials, Electrical conductivity in metals & Semiconductors, Acoustics of Buildings B.E.: Practicals: 12 Experiments were completed in each semester in different branches

Research Publications in Refereed Journals and Conferences/Symposia		
No. of Publications in	National	International
Journals	-	5
Conferences/Symposia	-	1
Other Important Responsibilities held in the College		
<ul style="list-style-type: none"> Department IQAC Coordinator 		

LIST OF PUBLICATIONS

List of Papers published in National & International Journals:

1. Sowmya G M, Rajani G, Paniveni Udayshankar, R. Srikanth, “Super granulation- Fractal dimension and Rotation” in Research in Astronomy and Astrophysics(RAA), July 15(2022)
2. Rajani G, Sowmya G M, Paniveni Udayshankar, R. Srikanth, “Solar supergranular fractal dimension dependence on the solar cycle phase” in Research in Astronomy and Astrophysics, 22:045006 (7pp), March 17(2022)
3. Rajani G, Sowmya G M, Yamuna M, Paniveni Udayshankar, R. Srikanth, “Fractal Dimension of Supergranulation” in International Journal of Mathematics and Physical Sciences Research, ISSN 2348-5736 ,Vol. 4, Issue 2, pp: (127-130), March 2017.
4. Sowmya G M, Rajani G, Yamuna M, Paniveni Udayshankar, R. Srikanth, “Rotational Effects on Supergranulation - A Survey” International Journal of Research and Scientific Innovation (IJRSI), October, 2017.
5. Yamuna M, Sowmya G M, Rajani G, Paniveni Udayshankar, R. Srikanth, “Power Infrastructure supplement based on Renewable energy power systems: A Review” International Journal of Current Engineering and Scientific Research (IJCESR), June, 2017.