



SREE NARAYANA COLLEGE
Sivagiri, Varkala,
Thiruvananthapuram 695 145



Name	Aranya S
Address	‘Aranya’, Chempazhanthy P.O, Thiruvananthapuram- 695587
Designation	Assistant Professor, Department of Physics
Area of Specialization	Physics
Date of Appointment	11.01.2011(Relieved from the post of Assistant Professor, Dept. of Physics, Sree Krishna College Guruvayur)
Academic Qualification	MSc Physics; B.Ed; UGC – NET 2008; GATE 2007; Doing PhD (2007 registration) SET 2006
Teaching Experience	Sree Krishna College, Guruvayur 11.07.2010 to 10.01.2011 as Assistant Professor; S. N College 11.01.2011 onwards
Classes handling(Degree/PG)	Both degree and PG
Area of Interest	Physics
Area of Research	Space Physics
Recent achievements in Research	<u>Publishes Papers</u> 1. Moon : Prospective Energy and Material Resources Chapter 16 – “ Photovoltaic Power generation on the Moon- Problems and Prospects” ; Publishing House :Springer -Verlag 2. Photovoltaic power generation using albedo and thermal radiations in the satellite orbits around Planetary bodies- Elsevier vol 911, 22.09.2007

	<p>3. Communicated a research paper with the publishing House :Springer –Verlag 2014</p> <p>4. <u>Conference Papers</u></p> <ol style="list-style-type: none"> 1. “ Moon’s Radiational Environment and expected performance of solar cells during future lunar missions IMRC 2008 August 2. Photovoltaic power generation in the stellar environment IMRC 2007 August 3. Poster – Radiation Environment in Moon and solar cell operation NSSS 2008 Ooty Feb 26- 29
Research Guidance	BSc Projects
Responsibilities undertaken	Member of Science club and PG and UG syllabus revision committee, University Examination and Valuation duties
Seminars Organized	<p>Convenor of the Seminar – Spectrum March 2012 S.N College Chempazhanthy</p> <p>Co-Convenor of</p> <ol style="list-style-type: none"> 1.Recent advancements in Space Science and Technology Jan 2014 S N College sivagiri 2.Nanotechnology and different characterization techniques March 2015 S N College sivagiri 3.National seminar on Nanoscience and technology March 2015 S N College sivagiri
Workshops/Seminars attended	<ol style="list-style-type: none"> 1.National Seminar S.N Kollam feb 2007 2. NSSS 2008 OOTY TIFR 3. Indo – US workshop Jan 2009 Anna University 4.National Seminar University College 2012 5. Summer School ASC Feb 2012 6.PG syllabus revision dec 2013 Govt women’s College 7.UG syllabus revision March 2014 Mar Ivanios College Thiruvananthapuram 8 National seminar on Modern trends in Physics January 2015 University College Thiruvananthapuram
Papers presented	<p><u>Conference Papers</u></p> <ol style="list-style-type: none"> 1.“ Moon’s Radiational Environment and expected performance of solar cells during future lunar missions IMRC 2008 August 2.Photovoltaic power generation in the stellar environment IMRC 2007 August <p>Poster – Radiation Environment in Moon and solar cell operation NSSS 2008 Ooty Feb 26- 29</p>
Research publications	<p><u>Publishes Papers</u></p> <p>Moon : Prospective Energy and Material Resources Chapter 16 – “ Photovoltaic Power generation on the Moon- Problems and Prospects” ; Publishing House :Springer -Verlag</p>

	<p>Photovoltaic power generation using albedo and thermal radiations in the satellite orbits around Planetary bodies- Elsevier vol 911, 22.09.2007</p> <p><u>Conference Papers</u></p> <p>“ Moon’s Radiational Environment and expected performance of solar cells during future lunar missions IMRC 2008 August</p> <p>Photovoltaic power generation in the stellar environment IMRC 2007 August</p> <p>Poster – Radiation Environment in Moon and solar cell operation NSSS 2008 Ooty Feb 26- 29</p>
Refresher courses attended	Summer School Feb 2013
Membership(s) in	Member of Science club
Extension work/Community Service	Editorial board- Research Essence Journal(2014), Member of Science club,