

<b>DETAILED FACULTY BIODATA FOR COLLEGE WEBSITE JUNE 2024 TO MAY 2025</b>		
<b>Sl. No.</b>	<b>Name</b>	<b>Dr Prabha Jyothi P S</b>
<b>1</b>	<b>Designation</b>	<b>Assistant Professor</b>
<b>2</b>	<b>Department</b>	<b>Physics</b>
<b>3</b>	<b>Contact Number</b>	<b>9895629682</b>
<b>4</b>	<b>Whatsapp Number</b>	<b>9895629682</b>
<b>5</b>	<b>Email</b>	<b>prabhajyothi79@gmail.com</b>
<b>6</b>	<b>Institutional Email ID</b>	<b>drprabhajyothi@sncwkollam.org</b>
<b>7</b>	<b>PEN Number</b>	<b>210451</b>
<b>8</b>	<b>Personal Web Page</b>	
<b>9</b>	<b>Date of Entry into Service</b>	<b>19/10/2012 FN</b>
<b>10</b>	<b>Date of Retirement</b>	<b>31/05/2035</b>
<b>11</b>	<b>Edu. Qualifications</b>	<b>MSc, MPhil, PhD</b>
<b>12</b>	<b>Areas of Interest/Specialisation</b>	<b>Electronics, Material science</b>
<b>13</b>	<b>Courses/Subject Taught</b>	<b>UG, PG - PHYSICS</b>
<b>14</b>	<b>Field of Research</b>	<b>Material science</b>
<b>15</b>	<b>Guideship Details (Guideship order number and date, Research Centre, Number of PhD students &amp; title of their research topic)</b>	

	<ol style="list-style-type: none"> <li><b>Affiliated University: University of Kerala</b></li> <li><b>Subject: Physics</b></li> <li><b>Guideship Order Number &amp; Date: 1980/2023/UOK</b></li> <li><b>Research Centre: SN College for women, Kollam</b></li> <li><b>Number of Full time PhD Research Scholars:0</b></li> <li><b>Number of Part time PhD Research Scholars: 1</b></li> <li><b>Details of PhD Research Scholars (Full Name, Title of Topic, Year of Joining):</b> <ol style="list-style-type: none"> <li><b>Krishna Sree R S, Study on doped Ceria nanomaterials for Energy and Environmental Applications, 2025</b></li> </ol> </li> </ol>
<b>16</b>	<b>Google Scholar Profile Link/ORCID ID/Research Gate Profile Link (Give the links)</b> <a href="https://scholar.google.co.in/citations?user=WJp4wRQAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=WJp4wRQAAAAJ&amp;hl=en</a> <a href="https://orcid.org/0000-0003-3250-0176">https://orcid.org/0000-0003-3250-0176</a>
<b>17</b>	<b>Patent Obtained/Applied (Give the details)</b>
	Nil
<b>18</b>	<b>Teaching Experience (Permanent) (Give the details)</b>
	<ol style="list-style-type: none"> <li><b>Assistant Professor of Physics – 12 years of experience</b></li> <li><b>Higher Secondary School Teacher – 9 years of experience</b></li> </ol>
<b>19</b>	<b>Teaching Experience (Contract) (Give the details)</b>
	Nil
<b>20</b>	<b>Research Experience</b>
	<b>7 years of research experience in material science</b>

<b>21</b>	<b>Memberships in Learned Bodies/Societies, If Any</b>
	<b>1. Member, APT Kerala</b>
<b>22</b>	<b>Scholarships/Fellowships Obtained</b>
	<b>1. Teacher fellow. FDP, UGC</b>
<b>23</b>	<b>Research Papers Published (Mention UGC Care Listed/Peer-reviewed). Include Name of Authors, Year, Name of Journal, Volume, Page numbers, ISSN Number, DOC if any</b>
	<b>1. DNA-assisted synthesis of nanoceria, its size dependent structural and optical properties for optoelectronic applications PSP Jyothi, B Anitha, S Smitha, BV Vibitha, PGA Krishna, NJ Tharayil Bulletin of Materials Science 43 (1), 119,2020</b> <b>2. Crystal plane effect on antioxidant efficacy of nanoceria synthesized with assistance of DNA PJ PS, NJ Tharayil, Journal of Physics and Chemistry of Solids 141, 109421,2020</b> <b>3.The antimicrobial efficacy of biosynthesized nanostructured ceria, PS Prabha Jyothi, B Anitha, NJ Tharayil, International Journal of Materials Research 112 (12), 985-989,2021</b> <b>4. Investigation on the size dependent optical and magnetic properties of DNA assisted synthesized nanoceria for next generation spintronic devices PSP Jyothi, B Anitha, NJ Tharayil , AIP Conference Proceedings 2162 (1), 020125, 2019</b> <b>5. Biosynthesis of nanostructured ceria, its optical and magnetic studies for spintronic applications PSP Jyothi, NJ Tharayil AIP Conference Proceedings 2222 (1), 020006,2020</b> <b>6. Cyto-toxic Effect of Nano Ceria bio fabricated with DNA. PSP Jyothi, NJ Tharayil, IOP Conference Series: Materials Science and Engineering 1263 (1), 012032, 2022</b>
<b>24</b>	<b>Popular Article Published</b>
	<b>Nil</b>
<b>25</b>	<b>Books Published (Include ISBN/ISSN Number)</b>
	<b>Nil</b>
<b>26</b>	<b>Papers Presented</b>

	<p><b>1.International Conference on Materials - Properties, Measurements and Applications [ICMPMA 2022], Fatima College, 9-13 May 2022.</b></p> <p><b>2.International conference on Energy and Environment [ICEE2K19], TKM college of Arts and Science,12-14 December 2019.</b></p> <p><b>3.International conference on Microelectronics, Signals &amp; Systems held at TKM college of Engineering, Kollam,28- 29 September 2019.</b></p> <p><b>4.National conference in Nanomaterials &amp; Nanotechnology, Department of Physics, Mar Thoma college, Tiruvalla on 6-7August 2019</b></p> <p><b>5.International conference on Advanced materials[ICAM2019], Department of Physics, Nirmalagiri College, Kannur, 12-14 June2019.</b></p> <p><b>6.31st Kerala science congress, Fatima Mata National College, Kollam, 2-3 February2019</b></p>
<b>27</b>	<b>Invited Talks/Public Talks delivered</b>
	<b>Nil</b>
<b>28</b>	<b>Collaboration/Consultancy/Linkages</b>
	<b>1. Academic linkage with TKM college of Arts and Science</b>
<b>29</b>	<b>Orientation Courses Attended</b>
	<p><b>1. Orientation Course at UGC-HRDC Academic Staff college, Thiruvananthapuram</b></p> <p><b>2.Orientation program in valuation of answer scripts</b></p> <p><b>3. Orientation program in National Education Policy(NEP)</b></p>
<b>30</b>	<b>Refresher Courses Attended</b>
	<p><b>1. Two-week Refresher course in environmental science</b></p> <p><b>2. Online two-week Refresher course in Physics</b></p>
<b>31</b>	<b>Seminars/Workshops/Training Organised</b>

	<b>1. Dept level coordinator, International webinar series dialectics 2023</b>
<b>32</b>	<b>Workshops Organised</b>
	<b>1.Member- Workshop on LED assembly and Repair</b>
<b>33</b>	<b>Training Organised</b>
	<b>Nil</b>
<b>34</b>	<b>Orientation Programmes/Induction Programmes Organised</b>
	<b>Nil</b>
<b>35</b>	<b>FDP/Any Other Programmes Organised</b>
	<b>Nil</b>
<b>36</b>	<b>Startups/Innovation/Incubation Centre (Give the details)</b>
	<b>Member of Incubation unit in assembling LED bulbs and tubes</b>
<b>37</b>	<b>Seminars/Conferences Attended</b>
	<b>1. International Conference on Materials - Properties, Measurements and Applications [ICMPMA 2022], Fatima College, 9-13 May 2022.</b> <b>2. International conference on Energy and Environment [ICEE2K19], TKM college of Arts and Science,12-14 December 2019.</b> <b>3. International conference on Microelectronics, Signals &amp; Systems held at TKM college of Engineering, Kollam,28- 29 September 2019.</b> <b>4. National conference in Nanomaterials &amp; Nanotechnology, Department of Physics, Mar Thoma college, Tiruvalla on 6-7August 2019</b> <b>5. International conference on Advanced materials [ICAM2019], Department of Physics, Nirmalagiri College, Kannur, 12-14 June2019.</b>

	<b>6.3 1st Kerala science congress, Fatima Mata National College, Kollam, 2-3 February 2019.</b>
<b>38</b>	<b>Workshops Attended</b>
	<b>1. A Two-Day Workshop on Qualitative and Quantitative X-Ray Diffraction Data Analysis using Rietveld Refinement” conducted by Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai.</b>
<b>39</b>	<b>Trainings Attended</b>
	<b>1. Hands - on training on learning Management system (Moodle-LMS)</b> <b>2. College level training on FYUGP for faculty members</b>
<b>40</b>	<b>Extension Activities Organised/Participated inside the Campus</b>
	<b>1. Science exhibition for school students</b> <b>2. Open house</b>
<b>41</b>	<b>Extension Activities Organised/Participated outside the Campus</b>
	<b>1. International space day awareness program for school students</b>
<b>42</b>	<b>Representation in Syndicate/Senate/Academic Council/Board of Studies</b>
	<b>Nil</b>
<b>43</b>	<b>Tutorship in UG/PG (Mention the Class and Year/Batch)</b>
	<b>1.UG PHYSICS (2012-2014)</b> <b>2.UG PHYSICS (2020-2023)</b>
<b>44</b>	<b>Academic Responsibilities Undertaken</b>

	<b>1. IQAC Member</b> <b>2. Co-ordinator- Environmental club</b> <b>3. Member – Internal compliance cell</b>
<b>45</b>	<b>Any other Duties Performed at College</b>
	<b>1. Valuation Camp director</b> <b>2. Co- Coordinator – FYUGP Admission</b> <b>3. Member – Website Renovation Committee</b>

**Kindly attach a photograph as email attachment if you need to update in the website**