



Type your Name here Seema C S

1. Basic Personal Information

- 1.1 Designation : Assistant Professor
- 1.2 Department : Physics
- 1.3 Mobile number : 9447587353
- 1.4 Email id : seemaniran@gmail.com
- 1.5 Date of birth : 07/05/1979
- 1.6 Highest Qualification : MPhil
- 1.7 Address for correspondence : 'Sivendu', Panichal Lane, Kariyam, Powdikonam P. O.
- 1.8 Permanent address : 'Sivendu', Panichal Lane, Kariyam, Powdikonam P. O.

2. Academic Profile

| Qualification | Institution studied | Year | % of marks | Class | Rank if any |
|---------------|--------------------------------------------------|------|------------|-----------------|--------------------------|
| SSLC | Jyoti Nilayam H S , St Andrews | 1994 | 86 | I (Distinction) | |
| PDC | All Saints College, Trivandrum | 1996 | 76 | I | |
| Graduation | St Xaviers, Thumpa | 1999 | 96.8 | I | |
| PG | Dept of Physics, Kariavattom Campus | 2001 | 84 | I(Distinction) | 4 th position |
| M Phil | University College, Trivandrum | 2003 | | A grade | |
| Ph.D. | Doing research at University college, Trivandrum | | | | |
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3. Service Details

- 3.1 Date of entry into Government Service : 4/6/2003(AIR)
- 3.2 Date of entry into Present Service : 9/2/2011

3.3 Date of entry in Aided College Service (if any) : -

Details of Service

| No. | Institution | Designation | From | To |
|-----|---------------------------------------------|-----------------------|-----------|-----------|
| 1 | All India Radio | Engineering Assistant | June 2003 | Feb 2011 |
| 2 | Govt College for Women, Thiruvananthapuram. | Assistant Professor | 9/2/2011 | 9/6/2011 |
| 3 | Govt Arts College | Assistant Professor | 10/6/2011 | Till date |

4. Quality Improvement Programmes**I. SEMINARS & WORKSHOPS**

| 4.1 Seminars/ Workshops coordinated | | | | | |
|-------------------------------------|-----------------------------------------|-------------------------------------|------------------|------------------|----------------|
| No. | Topic | Venue | Duration | | Funding agency |
| | | | From | To | |
| 1. | National Science Day celebrations -2014 | Dept. of Physics, Govt Arts College | 19 Feb 2014 | 19 Feb 2014 | KSTEC |
| 2. | Workshop in Experimental Physics | Dept. of Physics, Govt Arts College | 12 November 2014 | 12 November 2014 | UGC |
| 3. | | | | | |
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| 4.2 Participation in Seminar/Workshop as Resource Person/Invited talks | | | | |
|------------------------------------------------------------------------|----------------------------|-------|-------------------|------|
| No. | Name of Seminar/ programme | Venue | Title of the talk | Date |
| 1. | | | | |
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| 4.3 Papers/Posters Presented in Seminar/Workshop | | | | | |
|--------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|--------------|-----------------------------------------------------------------------------|--------------------|
| No. | Name of Seminar/ programme | Venue | Paper/Poster | Title of the paper | Date |
| 1. | Long term data analysis for understanding of solar and stellar cycles | International Astronomical Union | Poster | Phase analysis of solar activity indices using wavelet techniques. | 19-24 Feb 2018 |
| 2. | Long term data analysis for understanding of solar and stellar cycles | International Astronomical Union | Poster | A wavelet analysis of F2 layer critical frequency over solar cycle23. | 19-24 Feb 2018 |
| 3. | 19th National Space Science Symposium (NSSS2016) | Vikram Sarabhai Space Centre | Poster | Variability of ionospheric f0f2 at an equatorial station over solar cycle23 | 9-12 February 2016 |

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|----|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------|----------------------------------------------------------------|--------------------|
| 4. | Perspectives Of Raman Spectroscopy UGC sponsored National Seminar | St. John's College, Anchal | Poster | Analysis Of Geomagnetic Storms Of Solar Cycle 21,22 And 23 | 15-16 October 2015 |
| 5 | 29th National Symposium On Plasma Science And Technology & International Conference On Plasma And Nanotechnology(PLASMA 2014) | School of pure and applied physics, Mahatma Gandhi University | Poster | Analysis Of Storms And Substorms Of Solar Cycle 23 | 8-11 December 2014 |
| 6 | UGC sponsored National Seminar AGSAR-2014(Advances in Geophysics, Space and Atmospheric research2014) | Christian College, Chengannur | Paper | A statistical analysis of geomagnetic storms of solar cycle 23 | 13-15 March2014 |

| 4.4 Participation in Seminars/Workshops | | | | | |
|-----------------------------------------|-------------------------------------------------------|------------------------------------------|-------------------------|-------------------|--------------------|
| No. | Name of Seminar/ programme | Venue | National/ International | Duration | |
| | | | | From | To |
| 1. | National seminar on modern trends in Physics | Dept. of Physics , University College, | National | 23, Feb 2017 | 24, Feb, 2017 |
| 2. | National workshop on Genesis of Quantum Theory | Mar Ivanious College | National | 29, April 2017 | 30, April 2017 |
| 3. | Statistical computing using R | Dept of Statistics, Govt Arts College | National | 26, February 2016 | 27, February, 2016 |
| 4. | National seminar on current Perspectives in Physics | Dept. of Physics , University College, | National | 15, Feb 2016 | 16, Feb, 2016 |
| 5. | National Seminar on Space Physics & Quantum Mechanics | Dept. of Physics, Govt Arts College | National | 18, Feb. 2016 | 19, Feb. 2016 |
| 6. | Ozone & Ultraviolet | Dept. of Physics, Govt Arts College | National | 13th October 2015 | 13th October 2015 |
| 7. | National seminar on advancements in material science | Dept. of Physics, Govt college for Women | National | 3, Dec 2015 | 4, Dec 2015 |
| 8. | Workshop on Lagrangian Dynamics | Academy of Physics Teachers | National | 27, June 2015 | 28 June 2015 |
| 9. | National seminar on Advances in Physics-NAP-2015 | Dept. of Physics, Govt Arts College | National | 4, February 2015 | 5 February 2015 |
| 10. | Ozone 2014 | Dept. of Physics, Govt Arts College | National | 25 Sept 2014 | 25 Sept 2014 |
| 11. | Workshop in Experimental Physics | Dept. of Physics, Govt Arts College(UGC | National | 12 November | 12 Novemb |

| | | | | | |
|-----|----------------------------------------------------------|---------------------------------------------------|----------|--------------------|--------------------|
| | | sponsored) | | 2014 | er |
| 12. | Workshop on syllabus revision in FDP | Mar Ivanious College, Board of studies in Physics | National | 17, March 2014 | 18, March 2014 |
| 13. | National Science Day celebrations -2014 | Dept. of Physics, Govt Arts College | National | 19, Feb 2014 | 19 Feb 2014 |
| 14. | National seminar on Fundamental and applied Physics-2013 | Dept. of Physics, Govt Arts College | National | 11, Decemb er 2013 | 12 Decemb er 2013 |
| 15. | Atmosphere we live-Ozone day | Dept. of Physics, Govt Arts College | National | 24 October 2013 | 24 October 2013 |
| 16. | National Seminar on introduction to Quantum Information | Dept. of Physics, Govt college for Women | National | 25 Nov 2013 | 25 Nov 2013 |
| 17. | Workshop for Internal mentors on WWS programme | Directorate of Collegiate Education | National | 9, October 2013 | 10 October 2013 |
| 18. | New dimensions in Material Science | Dept. of Physics, Govt college for Women | National | 15, December 2011 | -16 Decemb er 2011 |

II. REFRESHER COURSES/ORIENTATION PROGRAMMES

| No. | Name of the Programme | Venue | Conducted by | Duration | |
|-----|-----------------------------------|-------------------------------------|--------------|----------|-----------|
| | | | | From | To |
| 1. | Orientation | Academic Staff College, Kariavattom | 30 days | 1/1/2014 | 28/1/2014 |
| 2. | Refresher (Environmental Science) | Academic Staff College, Kariavattom | 30 days | 9/1/2015 | 29/1/2015 |
| 3. | | | | | |
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III. SHORT TERM TRAINING PROGRAMMES (STTP)

| No. | Name of the Programme | Venue | Conducted by | Duration | |
|-----|-----------------------|-------|--------------|----------|----|
| | | | | From | To |
| 1. | | | | | |
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IV. INTERNSHIPS

| No. | Name of the Programme and Nature of Internship | Venue | Conducted by | Duration | |
|-----|------------------------------------------------|-------|--------------|----------|----|
| | | | | From | To |
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5. Research and Academic Contributions

I. BASIC RESEARCH DETAILS

1. Broad Area of Research : Space Science, Ionosphere
2. Title of PhD : A detailed study of ionospheric and geomagnetic disturbances during storms and substorms
3. Research Centre : University College, Thiruvananthapuram
4. Affiliated University : Kerala University
5. Date of Award of Ph.D. :
6. Total No. of Publications :

| | | |
|-------------------|---|---|
| National | : | 1 |
| International | : | 1 |
| Conf. Proceedings | : | 2 |
7. Total Number of citations :
8. h-Index :
9. Whether Research Guide (Yes/No) : No
10. Number of Ph.D.s produced :
11. Number of Ph.D.s ongoing :
12. Current Areas of Research :

II. PUBLICATIONS

| 5.1 Research Papers in Refereed Journals | | | | | | | |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------|------|------|------|--------------|
| No. | Title of the paper | Name of Journal | Nat/ Int. | I.F. | Year | Vol. | Page Nos. |
| 1. | Nonlinear dependence of ionospheric F2 layer critical frequency on solar activity in southern latitudes during solar cycle 23 | Advances in Space Research | Int | | 2018 | 62 | 801-808 |
| 2. | | | | | | | |
| 3. | | | | | | | |
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| 5.2 Research Papers in Conference proceedings (with ISSN/ ISBN No) (Abstracts not to be included) | | | | |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------|----------------|
| No. | Name of Seminar/ programme | Venue | Title of the talk | Date |
| 1. | Long term data analysis for understanding of solar and stellar cycles | International Astronomical Union | Phase analysis of solar activity indices using wavelet techniques. | 19-24 Feb 2018 |
| 2. | Long term data analysis for understanding of solar and stellar cycles | International Astronomical Union | A wavelet analysis of F2 layer critical frequency over solar cycle23. | 19-24 Feb 2018 |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 5.3 Books Published | | | | | |
|----------------------------|-------------------|-----------|---------------------------------------|----------|------|
| No. | Title of the Book | Publisher | Nature of Authorship (Author/ Editor) | ISBN No. | Year |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

| 5.4 Books Chapters Published | | | | | |
|-------------------------------------|----------------------|-------------------|-----------|----------|------|
| No. | Title of the Chapter | Title of the Book | Publisher | ISBN No. | Year |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

| 5.5 Popular Articles Published | | | | | |
|---------------------------------------|----------------------|-----------------------|-----------|----------|-------------|
| No. | Title of the Article | Name of Journal/ Book | Publisher | ISBN No. | Vol. & Year |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
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III. RESEARCH PROJECTS

| Completed Projects | | | | | |
|--------------------|-------|--------|--------|--------|--------------|
| No. | Title | Agency | Period | Amount | Major/ Minor |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| Ongoing Projects | | | | | |
| No. | Title | Agency | Period | Amount | Major/ Minor |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |

IV. CONSULTANCY PROJECTS

| Completed | | | | | |
|-----------|-------|--------|--------|--------|--------------|
| No. | Title | Agency | Period | Amount | Major/ Minor |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| Ongoing | | | | | |
| No. | Title | Agency | Period | Amount | Major/ Minor |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |

6. Awards and Recognitions

| No. | Year | Nature of Award and Details |
|-----|------|-----------------------------|
| 1. | | |

7. Membership in Academic/Professional Bodies

| No. | Period | Details of membership |
|-----|--------|-----------------------|
| 1. | | |

8. Any Other Relevant Information

| No. | |
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| 1. | |
| 2. | |
| 3. | |

I certify that the above information's are true to the best of my knowledge and belief

Name : Seema C S

Designation : Assistant Professor
Dept. Of Physics