

**Name:** Mrs P. Kavitha

**Designation:** Assistant Professor

**Department:** Chemistry

**Qualification:** M.Sc., M.Phil,(Ph.D)

**Experience:**

**Teaching:** 7.6 Years **Research:** 2 Years



**Area of Specialization(s):** Solid State Chemistry

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### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Chemistry	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	Pursuing
M. Phil.	Chemistry	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	2013
M.Sc.	Chemistry	Avinashilingam University for Women, Coimbatore.	2011
B.Sc.	Chemistry and Physics	Avinashilingam University for Women, Coimbatore.	2009

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NPTEL	Outcome based pedagogic principles for effective teaching	Indian Institute of Technology, Kharagpur	2017
NPTEL	Metal mediated Synthesis – I	Indian Institute of Technology, Bombay	2018
NPTEL	Chemical Crystallography	Indian Institute of Science Education and Research Mohali	2018

## Projects

### Completed

Project Title	Agency	Amount	Duration
Tailoring the tpa towards the development of Dssc for photovoltaic energy conversion	TNSCST - Student Project Scheme (2021-22)	7,500	3 Months
Synthesis of TPA based DSSCs for photovoltaic energy conversion	In house project – Dr.N.G.P ASC (2021-22)	5,000	6 months

## Publications: International / National Journals

1. P. Chitra, P. Kavitha, A. Muthusamy , S. Dineshkumar, Picric Acid Doped Trimer of O-Phenylenediamine, *J. Environ. Nanotechnol*, 2013, 2, 57-61. ISSN (Online): 2319-5541.

## Book Publications

1. Handbook of Allied Chemistry, Dr.N.G.P. Arts and Science College Press, ISBN: 978-81-955112-5-9.
2. Essential Chemistry, Dr.N.G.P. Arts and Science College Press, ISBN: 978-81-956823-2-4.
3. Inorganic Analysis- Lab Manual for UG Students, Dr.N.G.P. Arts and Science College Press, ISBN: 978- 81-960554-9-3.
4. Allied Chemistry- Lab Manual for UG Students, Dr.N.G.P. Arts and Science College Press, ISBN: 978- 81-960554-1-7.

## Presentations in Conference

1. “Synthesis, spectral, structural and biological evaluation of 2-amino-2-ethyl pyridinium picrate crystal”- Indo-South Korea-Thailand 2nd International e-Conference on Nanoscience & Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2022), Vinayaka Mission’s Kirupananda Variyar Arts and Science College, 24th to 25<sup>th</sup> Nov 2022.
2. “Synthesis and In vitro Antimicrobial Studies of charge transfer of benzimidazole with sulphosalicylic acid and salicylic acid” - A Two day International Virtual Conference on Advanced Materials for Emerging Technologies (ICAMET-21), Sri Ramakrishna Mission Vidyalaya College of Arts and Science, 26th to 27th April 2021.

3. "Magnetic and electrical properties of manganese cobalt ferrite *o*-phenylenediamine nanocomposites", Recent Trends in Chemistry-2019 (RTC'19), Sri Ramakrishna Vidyalaya College of Arts and Science, Coimbatore, 1st to 2nd Feb-2019.

### **Participation in Seminars**

1. "Nanostructured Materials", Kongunadu Arts and Science College, Coimbatore, 13- July- 2017 to 14- July- 2017.
2. "Research in Chemistry Visualising Newer Concepts RC-VNC-2007", Organized by Department of Chemistry, Avinashilingam University for women, Coimbatore, 12- Dec-2007.

### **Participation in Workshop**

1. Virtual National workshop on "UV Biospec and 3D Optical Profilometer", Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 2.8.2021
2. "Science Academies Lecture Workshop on Current trends in Chemistry", PSG College of arts and Science, Coimbatore, 27-28 October, 2017.
3. "Nanomaterials and its Application", National level student Symposium, National Institute of Technology, Tiruchirappalli, Horizon (2010).

### **Participation in Orientation Programme / Short Term Courses**

1. "In Silico Molecular Design and Engineering" Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 25-27 March, 2022.
2. "UGC Stride Sponsored Training Programme on Environmental Sustainability and Research Ethics", Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 14th to 18th March 2022.
3. "Smart advanced Materials (SAM)", Coimbatore institute of Technology, Coimbatore, 8-14 Nov-2017.

### **Participation in Faculty Development Programme**

1. Recent Research in Material Physics, Rajapalayam Raju's College, Rajapalayam, November 21 to 25, 2022.
2. Spoken Tutorial Free Open Source Software (FOSS), Dr. N.G.P. Arts and Science College, Coimbatore, May 04 to 10, 2020

3. RECENT INNOVATIONS IN HERBAL COSMETICS, Nallamuthu Gounder Mahalingam College, 12.05.2020.
3. QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam, Vellalar College for Women, Erode, April 13-20, 2020
4. QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
5. “Foundation programme in ICT for Education”, Indian Institute of Technology Bombay, 3 Aug – 7 Sep 2017.

**Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar / Workshop**

Resource Person, Guest lecture on Chemistry in Everyday Life, Sri Ranganathar Institute of Polytechnic College, Coimbatore on 24.09.2022.

**Awards / Honors**

<b>Nature of Recognition</b>	<b>Organization / Institution</b>	<b>Year</b>
BEST MENTOR	Dr.N.G.P Arts and Science College	2021
BEST FACULTY	Dr.N.G.P Arts and Science College	2021