

Profile:

Name: Dr. P.Sharmila

Designation: Professor & Head, Department of Science and Humanities

Area of Interest: Crystallography

About me

Gmail: sharmila.r.p.phy@psvpec.in

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Research scholar link: <https://scholar.google.co.in/citations?user=kvobPPEAAAAJ&hl=en>

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Professional information:

Publication

1. R. Jayarajan, **P. Sharmila**, G. Jagadeesan, G. Vasuki and S. Aravindhan, *(Z)-4-{1-[(2-Hydroxyethyl)amino]ethylidene}-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one*, *Acta Cryst.* (2011). E67, o444.
2. **P. Sharmila**, C. Suresh Kumar, S. Maheshwaran, S. Narasimhan and S. Aravindhan, *4-Bromo-2-(diethoxymethyl)phenyl benzoate*, *Acta Cryst.* (2013). E69, o553.
3. **P. Sharmila**, C. Suresh Kumar, KarthikAnanth, S. Narasimhan and S. Aravindhan, *Diethyl 2,6-dimethyl-4-[4-(3-phenylacryloyloxy)phenyl]-1,4-dihydropyridine-3,5-dicarboxylate hemihydrates*, *Acta Cryst.* (2013). E69, o389.
4. **P. Sharmila**, G. Jagadeesan, R. Raju, R. Raghavacharyand, S. Aravindhan, *Methyl 8-bromo-3-[1-(4-methoxyphenyl)-4-oxo-3-phenylazetidin-2-yl]-1-methyl-1,2,3,3a,4,9b-hexahydrochromeno[4,3-b]pyrrole-3a-carboxylate* *Acta Cryst.* (2013). E69, o1570
5. **P.Sharmila**, G. Jagadeesan, R. Raju, R. Raghavachary and S. Aravindhan *Methyl 9-hydroxy-15-methyl-2-oxo-11-(pyren-1-yl)-10-oxa-15-azatetracyclo[7.6.0.0^{1,12}.0^{3,8}]pentadeca-3(8),4,6-triene-12-carboxylate* *Acta Cryst.* (2013). E69, o1569

6. **P. Sharmila**, R. Jayarajan, G. Jagadeesan, G. Vasuki, S. Aravindhan, *Crystal Structure of (Z)-4-(1-(2-hydroxyphenylimino)ethyl)-3-methyl-1-phenylpyrazol-5-ol*, *Structural Chemistry Communications* (2011), Vol. 2, No. 5, pp. 145-146.
7. **P. Sharmila**, R. Jayarajan, G. Jagadeesan, G. Vasuki, S. Aravindhan, *Crystal Structure of (Z)-4-(1-(2-anilineimino)ethylidene)-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one*, *Structural Chemistry Communications* (2011), Vol. 2, No. 3, pp. 109-110.
8. **Sharmila.P.**; Malathy, P.; Jagadeesan, G.; Gunasekaran, K.; Aravindhan, S.; *DRUG DESIGNING FOR BIOLOGICALLY IMPORTANT ORGANIC COMPOUND AGAINST COX-2 ENZYME: A COMPUTATIONAL APPROACH* *J. Chosun Natural Sci.*, Vol. 8, No. 3 (2015) pp. 204 – 208
9. Malathy, P; **Sharmila, P**; Srinivasan, J; Manickam, Bakthadoss; Aravindhan, S *Crystal Structure Analysis of Methyl 8-bromo-3-phenyl-5a, 9a-dihydro-3H-chromen [4, 3-c][1, 2] isoxazole-3a (4H)-carboxylate* *Journal of the Chosun Natural Science* Vol. 9, Issue. 2 (2016) pp. 103 – 112.
10. **Sharmila, P**; Rajesh, R; Venkatesan, R; Ganapathy, Jagadeesan; Aravindhan, S *Crystal Structure Analysis of N, N'-bis (3-chloro-2-methylsalicylidene)-1, 4-butanediamine* *Journal of the Chosun Natural Science* Vol. 9, Issue. 4 (2016) pp. 255 – 260.
11. **Sharmila, P**; Rajesh, R; Venkatesan, R; Ganapathy, Jagadeesan; Aravindhan, S *Crystal Structure Analysis of 4-Chloro-2 {[(2-hydroxy-5-methylphenyl) amino] methyl} 5-methylphenol* *Journal of the Chosun Natural Science* Vol. 9, Issue. 4 (2016) pp. 261 – 267.
12. Malathy, P; **Sharmila, P**; Srinivasan, J; Manickam, Bakthadoss; Aravindhan, S *Crystal Structure Analysis of 6-Ethoxy-3-phenyl-5a, 9a-dihydro-3H-chromen [4, 3-c][1, 2] oxazole-3a (4H)-carbonitrile* *Journal of the Chosun Natural Science* Vol. 9, Issue. 2 (2016) pp. 94 – 102.

CONFERENCE PROCEEDINGS:

1. Unveiling AI Patterns: An Experimental Evaluation of Machine Learning Based Women's Safety Prediction Strategy., M Tamilselvi, KS Kumar, G Devi, **P Sharmila**, S Lakshmisridevi 2024, 2nd World Conference on Communication & Computing (WCONF), 2024•ieeexplore.ieee.org
2. Machine Learning Approaches for Short-Range Wind Power Estimation: A Perspective ASMK Al-Samalek, S Lal, P Sharmila, A Abootharmahmoodshakir, A Joshi, RV Devi E3S Web of Conferences, 2024•e3s-conferences.org
3. Examining the Use of AI-Driven Systems to Enhance Automated Data Science G Suruchi, V Srivastav, D Yadav, G Shivam, M Grover, P Sharmila 2024 15th International Conference on Computing Communication 2024•ieeexplore.ieee.org
4. Analyzing the Performance of Spatial and Frequency Domain Interpolation Techniques for Image Super-Resolution L Swarup, P Sharmila, K Seth, S Rai, SR Bhagwat, G

Ravivarman2024 15th International Conference on Computing Communication and ...,
2024•ieeexplore.ieee.org

Patents

1. DRAM MEMORY BASED DEEP DRIVEN ARCHITECTURE WITH REDUCED LOGICAL SPACE Application No. 202341008780 Published Date 24.02.2023
2. SMART BIKES Application No. 202341028701 A Published Date 26.05.2023

Books Published

“பொறியியல் தமிழ்” ISBN 978-81-974366-7-3

Certification

NPTEL

Solid state physics Elite July-October 2022

COURSERA

Materials Science: 10 Things Every Engineer Should Know

MEMBERSHIP

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VIDWAN ID 279659

EDUCATION DETAILS

1. Ph.D.,Physics, 2016, Presidency College, Chennai
2. M.Phil., Physics, 2000, Annamalai University
3. M.Sc., Physics, 1999, Fatima College, Madurai, Madurai Kamaraj University
4. B.Sc., Physics, 1997, Jeyaraj Annapackiam College for Women, Madurai Kamaraj University

Work Experience:

- Worked as Lecturer in Jeyaraj Annapackiam College for women, Periyakulam, from 2001-2004.

- Joined in 11th September 2006 and currently working as Professor in Prince Shri Venkateshwara Padmavathy Engineering College, Ponmar till date.

LIST OF SEMINARS, FDP AND CONFERENCES ATTENDED

1. 5th INTERNATIONAL SYMPOSIUM ON RECENT TRENDS IN MACROMOLECULAR STRUCTURE AND FUNCTION(ISRTMSF-2012) January 23-25 , 2012 organised by CAS in Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai-25,India
2. ANNUAL MEETING OF THE INDIAN BIOPHYSICAL SOCIETY (IBS -2012),January 19-21.2012, organised by CAS in crystallography and Biophysics, University of Madras, Guindy Campus, Chennai-25,India
3. 41st NATIONAL SEMINAR ON CRYSTALLOGRAPHY ,October 8-10.2012, organized by Centre for Advanced study in Crystallography and Biophysics, University of Madras, Guindy Campus, Chennai-25,India
4. NATIONAL SEMINAR ON RECENT ADVANCES IN PHYSICS- 2014, organized by the Department of Physics, Presidency College, Chennai – 600 005.
5. FIVE DAYS ONLINE INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON SMART AND NANO MATERIALS organized by Easwari Engineering college,Chennai, Tamil Nadu, 14th – 18th September 2020.
6. Innovation Ambassador Training ‘Basic level’ conducted in online mode by MoE’s innovation cell and AICTE during the IIC calendar year 2020-2021
7. 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 11th July to 15th July 2022
8. Innovation Ambassador Training ‘Advanced level’ conducted in online mode by MoE’s innovation cell and AICTE during the IIC calendar year 2021—2022

Delivered Talks on Innovation as an INNOVATION AMBASSADOR

1. Seminar on Quantum information technology and Innovation:Future perspectives for Business and management in Prince Dr.K.Vasudevan college of Engineering and Technology

2. Talk on Innovation in Prince Dr. K.Vasudevan college of Engineering and Technology
3. How to find solutions to a problem through Creative thinking in **Kendriya Vidhalaya School, Selaiyur, Chennai**
4. Innovation and Technology in the Protection of Environment in Prince Dr. K.Vasudevan college of Engineering and Technology
5. Innovate and Ignite- Innovation talk in Anna Adharsh college for women, Anna Nagar, Chennai