

STAFF PROFILE



Dr. Sujata Vinayak Marathe

Associate Professor

Applied Science & General Engineering

sujatamarathe@aitpune.edu.in

Date of Joining
03/02/2007

Nature of Appointment
Regular

Educational Details

Qualification	Degree	University	Grade	Year
Graduation	BSc	Andhra	75	1985
PG	MSc	Indian Institute of Technology, Madras	8.06/10	1987
Doctoral	PhD	Pune University		1995

Areas of Interest

Experience Details

Total : 1.30 years	Teaching : 0.00 years	Research : 1.30 years	Industry : 0.00 years
Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Research	1.30 Years Oct 1998 to Dec 2000	Post Doc Researcher Kyoto University	Worked as a post doctoral researcher at Kyoto University under the guidance of Prof. Chujo.

Journal Publications

1. Sujata Marathe, Seema Tiwari, Vitthal Hivrale, Mridula Chandola, Sachin Tanwade, (2018). Size based comparison of colloidal silver nanoparticles as coolants. *International Journal of Scientific Research and Review*. 7(5), 195. ISBN/ ISSN No : ISSN -2279-543x.
2. Sujata Marathe, Seema Tiwari, Mridula Chandola, Nikhil Thakur, Ravindra Singh, (2016). Synthesis and characterization of nanocomposites. *International Journal for Scientific Research and Development*. 4 (7), 919. ISBN/ ISSN No : ISSN 2321-0613.
3. Sujata Marathe, Mridula Chandola, Seema Tiwari, Vitthal Hivrale, (2016). Controllable refractive index of PVA-Ag films. *International Journal of Innovative and emerging research in engineering*. 3(4), 43. ISBN/ ISSN No : ISSN-2394-3343.
4. Sujata Marathe, Seema Tiwari, Mridula Chandola, Nikhil Thakur, Ravindra Rathore, (2016). Synthesis and Characterization of nanocomposites for drug delivery applications. *IOSR Journal of Polymer and Textile Engineering*. 3(6), 1 - 7. ISBN/ ISSN No : ISSN 2348-019.
5. Sujata Marathe, Seema Tiwari, Sushma Mishra, (2015). Synthesis and Characterization of polymeric beads for drug delivery systems. *S S International Journal of Multidisciplinary Research*. 2(5), 168. ISBN/ ISSN No : ISSN 2395-7964.
6. Sujata Marathe, Mridula Chandola, (2008). [A QSPR for the plasticization efficiency of polyvinylchloride plasticizers](#). *Journal of Molecular Graphics and Modeling*. 26(5), 824. ISBN/ ISSN No : <https://doi.org/10.1016/j.jmkgm.2007.04.008>. URL : <https://doi.org/10.1016/j.jmkgm.2007.04.008>.
7. Sujata Marathe, Takashi Uemura, Kensuke Naka, Yoshiki Chujo, (2001). [Synthesis and Properties of Oxygen-, Methylene-, and Alkylene- bridged Poly\(dithiafulvene\)s](#). *J. Polym. Sci., Polym. Chem.*. 39(20), 3593 - 3603. ISBN/ ISSN No : 0. URL : <https://doi.org/10.1002/pola.10012>.
8. Sujata Marathe, Thekke Pangil Mohandas, Swaminathan Sivaram, (1995). [Polymerization of 2-allylnorbornene using Ziegler Natta catalyst : Homopolymerization](#). *Macromol. Chem. and Phys.*. 196 (11), 3813-3824. ISBN/ ISSN No : 0. URL : [DOI: 10.1002/macp.1995.021961131](https://doi.org/10.1002/macp.1995.021961131).
9. S Marathe, T P Mohandas, S Sivaram, (1995). [Polymerization of 2-allylnorbornene using Ziegler Natta catalyst : Copolymerization](#). *Macromolecules*. 28(22), 7318-7324. ISBN/ ISSN No : 0. URL : [DOI: 10.1021/ma00126a005](https://doi.org/10.1021/ma00126a005).
10. Sujata Marathe, Swaminathan Sivaram, (1994). [Regioselective copolymerization of 5-vinyl-2-norbornene with ethylene using zirconocene-methylaluminumoxane catalyst : A facile route to functional polyolefins](#). *Macromolecules*. 27(5), 1083-1086. ISBN/ ISSN No : 0. URL : <http://pubs.acs.org/doi/abs/10.1021/ma00083a003>.
11. L G Echevskaia, V A Zakharov, S Marathe, J C Sehra, J P Jog, S Sivaram, (1994). [Thermal and X-ray investigations of ethylene-alpha olefin copolymers obtained with highly active supported Ti-Mg and V-Mg catalysts](#). *Polymer International*. 33(1), 111 - 114. ISBN/ ISSN No : 0. URL : [DOI: 10.1002/macp.1995.021961131](https://doi.org/10.1002/macp.1995.021961131).

Conference Publications

1. Sujata Marathe, Seema Tiwari, Mridula Chandola, (2011). Sol-Gel Hybrids with controllable refractive index: Preparation and characterization. *National conference on nanotechnology and communication and pattern recognition (NCONCPR – 2012)*. 1(B 29 S), 49. ISBN/ ISSN No : ISBN-978-81-920427-0-1.
2. S Marathe, G Satyanarayana, S Sivaram, (1994). Copolymerization of ethylene with 5-vinyl-2-norbornene using homogeneous and heterogeneous metallocene catalysts. *Polymer Science Recent Advances*. 1(1), 310. ISBN/ ISSN No : -.

Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
Computational Study Synthesis and Characterization of Organic Inorganic hybrids	BCUD	21/07/2009	26/04/2012	200000.00	Principal Investigator

Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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Professional Memberships

Society	Membership No	Duration	
Society of Polymer Science - Pune Chapter	PUN0106	20/01/1996	20/01/2026

Achievements/ Contribution

Year	Details
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No of PhD Students Guided : 0 **No of PG Students Guided** : 0
No of PhD Awarded Students : 0