



## STAFF PROFILE



### Dr. Sujata Vinayak Marathe

Associate Professor

Applied Science & General Engineering

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### Educational Details

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

### Experience Details

Type	Duration	Designation/ Organisation Name	Brief Job Profile
Research	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, 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.
3. 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.
4. 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.
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](https://doi.org/10.1016/j.jmngm.2007.04.008). *Journal of Molecular Graphics and Modeling*. 26(5), 824. ISBN/ ISSN No : <https://doi.org/10.1016/j.jmngm.2007.04.008>. URL : <https://doi.org/10.1016/j.jmngm.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](https://doi.org/10.1002/pola.10012). *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-allylnorbornane using Ziegler Natta catalyst : Homopolymerization](https://doi.org/10.1002/macp.1995.021961131). *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-allylnorbornane using Ziegler Natta catalyst : Copolymerization](https://doi.org/10.1021/ma00126a005). *Macromolecules*. 28(22), 7318-7324. ISBN/ ISSN No : 0. URL : [DOI: 10.1021/ma00126a005](https://doi.org/10.1021/ma00126a005).
10. L G Echevskaaya, 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](https://doi.org/10.1002/macp.1995.021961131). *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).
11. Sujata Marathe, Swaminathan Sivaram, (1994). [Regioselective copolymerization of 5-vinyl-2-norbornene with ethylene using zirconocene-methylaluminumoxane catalyst : A facile route to functional polyolefins](http://pubs.acs.org/doi/abs/10.1021/ma00083a003). *Macromolecules*. 27(5), 1083-1086. ISBN/ ISSN No : 0. URL : <http://pubs.acs.org/doi/abs/10.1021/ma00083a003>.

## 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	0	20/01/1996	20/01/2026

**No of PhD Students Guided :** 0

**No of PG Students Guided :** 0