

Name and Designation: Dr. (Mrs.) Vaishali S. Shinde Assistant Professor in Organic Chemistry Department of Chemistry, University of Pune, Pune 411007				
Academic Background: Ph.D. (<i>National Chemical Laboratory, Pashon, University of Pune, 2002</i>) M.Sc. (<i>Department of Chemistry, /University of Pune Pune 411007, 1996</i>) B.Sc. (<i>University of Pune, Pune 411007. 1994</i>)		Professional Experience: <i>Please, give information about your Post-doctoral. Research Associate, visiting Scientist/professor: and/or earlier employment information</i>		
Research Interests: <ul style="list-style-type: none"> • Smart Polymers: Design, Synthesis and Studies on their properties • Glycopolymers Synthesis • Polymer Extractants: Synthesis and Applications • Carbohydrate Chemistry • Natural Product Synthesis 				
Awards and Fellowships: <ul style="list-style-type: none"> • DAE, Trombay, Mumbai,- Young Scientists Research Award (March 2009) • DST-SERC, New Delhi, Young Scientists Award (Nov. 2004) • “Better Opportunities for Young Scientists in Chosen Areas of Science & Technology (BOYSCAST)” fellowship of the Department of Science & Technology (DST), New Delhi, for pursuing an advanced research with Prof. Dr. Axel Mueller, Macromolecular Chemistry II, University of Bayreuth, Bayreuth, in Germany (March 2006) • Senior Research Fellowship(SRF), CSIR, New Delhi, 1998 				
Research Schemes, collaborative ventures and consultancy)				
Sr. No.	Title of the Projects	Name of the Funding Agency	Duration	Remarks
i.	‘Synthesis of some antiviral benzimidazole nucleosides and their analogues’ sanctioned in May 2010 with a total financial assistance of Rs.20,48,000/-	Department of Science and Technology (DST), New Delhi	3 Yrs	Ongoing project
ii.	“Design and Synthesis of Smart Polymers as Extractant For Metals Ions” sanctioned in March 2009 with a total financial assistance of Rs. 16,90,000/-	Department of Atomic Energy, Trombay, Mumbai	3 Yrs	Ongoing project

iii.	“Stereocontrolled synthesis of biologically active six membered lactones” sanctioned in May 2009 with a total financial assistance of Rs. 2,00,000/-	University of Pune, Pune 411007	2 Yrs	Ongoing project
iv.	“Synthesis and Evaluation of Novel Exytractants for Actinide partitioning” sanctioned in July 2008 with a total financial assistance of Rs. 75,000/-	BARC, Department of Atomic Energy (DAE), Trombay, Mumbai	2 Yrs	Ongoing project
v.	“Glyco-polymeric Gels: Synthesis and Swelling Studies of Copolymer of Sugar Acrylamide and NIPA” sanctioned in Nov. 2006 with a total financial assistance of Rs. 3,00,000/-	University of Pune, Pune 411007	2 Yrs	Successfully completed
vi.	“Design and Synthesis of New Glycopolymers” sanctioned in Nov. 2004 with a total financial assistance of Rs. 12,68,000/-	Department of Science and Technology (DST), New Delhi	3 Yrs	Successfully completed

Research Publications (last 10 years)

- “Synthesis of Thermosensitive glycopolymers Containing D-glucose Residue: Copolymers with N-isopropylacrylamide”** Vaishali S. Shinde and Vishwas U. Pawar, **J. App. Polym Sci. 111, p2607-2615 (2009).**
- “Intramolecular 5-endo-Trig Aminomercuration of α -Hydroxy- γ -alkenyl amines: Efficient Route to a Pyrrolidine Ring and Its Application for the Synthesis of (+)-Castanospermine and Analogues.”** N. S. Karanjule, S. D. Markad; V. S. Shinde, D. D. Dhavale, **J. Org. Chem.; 71, p4667-4670 (2006)**
- Core-Shell morphology in Poly(N-isopropyl acrylamide) copolymer gels induced by restricted diffusion of surfactant,** V. S. Shinde, M. V. Badiger, A. K. Lele and R. A. Mashelkar, **Langmuir, 17, p2585- 8 (2001).**
- A. K. Lele, M. V. Badiger, V. S. Bhalerao (Mrs. V. S. Shinde), S. N. Sainkar and R. A. Mashelkar in "Structure and Dynamics of Materials in the Mesoscopic Domain", M. Lal, R. A. Mashelkar, B. D. Kulkarni, V. M. Naik, (Eds.), Proceedings of the fourth Royal Society-Unilever Indo-UK forum in materials Science and Engineering Mesoscopic morphologies in stimuli-responsive gels: Coupling between phase separation and gelation, Imperial College Press and the Royal Society, London, p119-138 (1999).**
- Thermoreversible Hydrogel based on Radiation Induced Copolymerisation of Poly(N-isopropyl acrylamide and Poly(ethylene oxide), V. S. Bhalerao (Mrs. V. S. Shinde), S.**

Varghese, A. K. Lele and M. V. Badiger,
Polymer, 39, p2255-2260 (1998).

6. Molecular Tailoring of Thermoreversible Copolymer Gels: Some New Mechanistic Insights. M. V. Badiger, A. K. Lele, V. S. Bhalerao (Mrs.V. S. Shinde), S. Varghese and R. A. Mashelkar, J. Chem. Phys. 109, p1175-1184 (1998).

Patents: Nil