

## Dr. NEELAM MISHRA

### PERSONAL

**Address::** C/O Dr. Yogesh KADAM  
6-Shivaji Nagar,  
Opp-10-Alpesh Nagar,  
Near Sargam Row House.,  
Pal Road, Surat-394510,  
Gujarat, India.

[Neelam1735@gmail.com](mailto:Neelam1735@gmail.com)

**Nationality :** Indian  
**Mobile:** +91 - 9998193184  
**Date of Birth:** 7<sup>th</sup> September, 1982  
(Married)



### RESEARCH INTERESTS

- Enzyme immobilization.
- Immobilization of bioactive molecules, enzymes and drugs on polymeric support.
- Application of immobilized enzyme.
- Cytogenetics (Lymphocyte Culture, Banding Techniques)
- Fish Toxicology

### CAREER

**May 2008-March 2011: Project Fellow** with Dr. A. Bahadur," Sponsored By **University Grant Commission,(UGC)**, India, a premier national organization for education and research.

**Project Title:** "Production, Properties & Applications of Some Enzymes Immobilized onto Polymeric Support Materials (through Physical Adsorption / Chemical Linkage using Spacer Molecules)"

**Jul 2007-March 2008 :** **Worked as an Adhoc Lecturer**  
Department of Zoology, Sir P. T. Sarvajanik College Science, Surat, India

**Dec 2006- Mar 2008 :** **Worked as a Biology Teacher**  
METAS, Seven Day Adventist School, Surat, India

### EDUCATION

- 2007-2010 Ph.D:** Department of Zoology, Sir P. T. Sarvajanik College Science, Surat, India.  
*Thesis:* "Immobilized Enzymes: Formation, Characterization, Properties and Possible Applications" under Dr. A. Bahadur.
- 2004-2006 M.Sc:** Department of Biosciences, V. N. S. G. University, India.  
*Majors:* Animal Science (Cytogenetics)
- 2001-2004 B.Sc:** Sir P. T. Science College, V. N. S. G. University, India.  
*Majors:* Zoology

### ACHIEVEMENTS

- 2006 First Rank in M. Sc-II (Animal Science)**  
**2005 First Rank in Biosciences M.Sc-I.**

### ADDITIONAL INFORMATION

- Knowledge of Windows OS, Endnote, Origin software.

### REFERENCES

**Dr. A. Bahadur,**  
Department of Zoology,  
Sir P. T. Sarvajanik College Science  
Surat-395001, India  
Ph. +91-9825454366  
E-mail: [anita26p@gmail.com](mailto:anita26p@gmail.com)

**Dr. Sumaya Mulla, Head**  
Department of Microbiology,  
Government Medical College,  
Surat-395001, India.  
E-mail:  
[Sumayamullan@gmail.com](mailto:Sumayamullan@gmail.com)

**Dr. Kespi Pithawala,**  
Department of Biology,  
Gujarat College  
Ahmedabad-15, India  
E-mail: :  
[kespithawala@gmail.com](mailto:kespithawala@gmail.com)

## LIST OF PUBLICATIONS

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- [1] Byssus thread: a novel support material for urease immobilization, **Neelam Mishra**, Kespi Pithawala, Anita Bahadur, Accepted *Applied Biochemistry and Biotechnology*. DOI: **10.1007/s12010-011-9376-y**
- [2] Inhibition of urease immobilization in alginate beads by heavy metals, **Neelam Mishra**, Anita Bahadur *Biochemistry : An Indian Journal*, **5(3)** 151-157 (2011)
- [3] Immobilization of Urease on Alginate, Paraffin and Lac, Kespi Pithawala, **Neelam Mishra**, Anita Bahadur, *Journal of Serbian Chemical Society*, **75 (2)** 175–183 (2010).
- [4] Toxicity of some Surfactants on Phosphatase Level of Fresh Water Fish Rohu *Labeo rohita* (**HAMILTON**), Ramila Mandal, Debmallya Mandal, **Neelam Mishra**, Anita Bahadur, *Journal of Environmental Biology*, **31(4)** 395-398 (2010).
- [5] Immobilization of urease in alginate beads for urea estimation, **Neelam Mishra**, Anita Bahadur (Communicated to *Preparative Biochemistry and Biotechnology*).
- [6] Characterization and Kinetic Study of Lipase Immobilized in Chitosan and Calcium Alginate Beads, **Neelam Mishra**, Anita Bahadur (Communicated to *Indian Journal of Biochemistry and Biophysics*)

## CONFERENCE/WORKSHOP/ SEMINARS.

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### PAPER PRESENTED:-

- [1] National Seminar on “New Frontiers in Life Sciences” on 19<sup>th</sup> December 2009 Organized by Department of Biological and Environmental Sciences, N. V. Patel College of pure and Applied Sciences, Vallabh Vidyanagar, Gujarat, India.
- [2] “14<sup>th</sup> National conference on Surfactant, Emulsions and Biocolloids” 28-30, July 2009 organized by Department of Chemistry, University of Kashmir & Indian Society for Surface Science and Technology (ISSST).
- [3] “International conference on POLYCHAR-19 World Forum on Advanced Materials” 20-24<sup>th</sup> March 2011 organized by Tribhuvan University Kirtipur, Kathmandu, Nepal.

### ATTENDED:-

- [1] Seminar on “Emerging Trends in Organic Chemistry” on 21<sup>st</sup> February 2010 Organized by Chemistry Department, Sir P. T. Sarvajanic College of Science, India.
- [2] Workshop on Biostatistics using SPSS on 31<sup>st</sup> January 2010 organized by the Department of Research Methodology and Interdisciplinary Studies in Social Sciences, V. N. S. G. University, Surat, India.
- [3] Seminar on “Recent Trends on Nanomaterials and Their Applications” on 14<sup>th</sup> December, 2009 organized by Chemistry Department, V. N. S. G. University, Surat, India.
- [4] Gujarat science Congress on “Frontiers of Science and Technology: Vision Gujarat 2020 on 15<sup>th</sup> February 2009 Organized by V. N. S. G. University, Surat, India.
- [5] One day course and Workshop on Surfactants & Polymers on 23<sup>rd</sup> November 07 at Department of Chemistry, V. N. S. G. University, Surat, India.