

Naved I Malek**Assistant Professor**

Applied Chemistry Department
S.V.National Institute of Technology,
(National Importance Institute)
Surat- 395 007
Gujarat
India

e-mail : navedmalek@yahoo.co.in

Mobile : +91-966 202 6117

Phone : +91- 261-220 1794

Fax : +91-261-2228394

Nationality: Indian

Single (Male)

Date of birth: 5th July 1980**PROFESSIONAL EXPERIENCE**

August 2008-PRESENT :Assistant Professor in Chemistry
S.V. National Institute of Technology, Surat, Gujarat, India
(A Top Ranked National Institute)

Research Interests:

- Synthesis and characterization of Polymers.
- Thermodynamics of Solutions

Teaching Duties:

Involved in the following courses:

- Surface Chemistry
- Instrumental Methods of Chemical Analysis
- Colloidal Chemistry
- Thermodynamics

JAN-2007- AUG 2008 :Research Associate with Cadila Pharmaceuticals
Analytical Research Laboratory, Dholka, Ahmedabad

Involved in Development of the newer methods for the analysis of Active Pharmaceutical Ingredients (APIs), Drug solubilization and method validation as per the various Food & Drug Authority (FDA) regulations.

SEP 2005-JAN 2007 :Teaching Assistant in Engineering Chemistry
S.V. National Institute of Technology, Surat, India

Responsible for college based teaching of first year and second year engineering students in engineering chemistry. This involved preparation of lectures, exams and problems sets.

JAN 2006-JAN 2007 :Visiting Lecturer in Engineering Chemistry
Reliance Industries Ltd. With S.V. National Institute of Technology,

EDUCATION

2004-2007 **PhD** entitled "*Synthesis and characterization of Polyester-Amides*" under Prof. S.L.Oswal at Department of Chemistry, V.N. S.G.University, Surat, India.

- 2001-2003** **M.Sc:** Department of Chemistry, V.N. S.G.University, Surat, India
Major: Analytical Chemistry
- 2001** **CIC:** I.G.N.O.University, India
Major: Computing
- 1998-2001** **B.Sc:** J.P.Science College, V.N. S.G.University, Surat, India

ACHIEVEMENTS

- 2009** Summer Research Faculty Fellowship at IIT-Delhi. New Delhi, India
- 2006** Best presentation award by the Scientific society of the Indian Thermodynamic Society during the Scientific Meeting in Oct-06.
- 2005** Gujarat State Research Scholarship for Research.
- 2005** Volunteer community award for the help provided to the Flood Affected area of Surat City, Gujarat.
Hindi Veenet Certificate (Equivalent to B.S in Hindi)
Certificate in Sanskrit Language of the Level of BS in Sanskrit
Many Prizes at the college and School Level at various competitions.

PUBLICATIONS

- [1] "Visual Evidence for Formation of Water-in-Ionic Liquid Microemulsions" K. Behera, **Naved I. Malek** and Siddharth Pandey. *ChemPhysChem*. Vol. 10 (2009) 3204 – 3208
- [2] "Synthesis and characterization of linear aromatic polyester-amides from diamidoacid chlorides and diols". S.L.Oswal*, **Naved I. Malek** and A.K.Pandya. *International Journal of Polymeric Materials*. Vol.58, No.4, (2008) 202–216.
- [3] "Radical Polymerization of N-(4-butoxycarbonylphenyl)maleimide and its Copolymerization with Methyl Methacrylate, Styrene and Acrylonitrile and the properties of the resulting Polymers" S.L.Oswal, N. N. Chapaneri and **Naved I. Malek**. *Design Monomers and Polymers*. Vol.10, No.6, (2007) 487-506.
- [4] "Free Radical Copolymerization of Methyl Methacrylate and Styrene with N-(4-carboxyphenyl) maleimide." S.L.Oswal, V.K. Bhandari, P.Bhamore and **Naved I. Malek**. *International Journal of Polymeric Materials*. Vol.56 (2007) 421-435.
- [5] "Synthesis and Radical Copolymerization of Ethyl Acrylate and Butyl Acrylate with N-[4-N'-(Phenylaminocarbonyl) phenyl]maleimide". S. L. Oswal, C. B. Patel, and **Naved I. Malek**. *International Journal of Polymeric Materials*. Vol.56, (2007) 27-41.
- [6] "Synthesis and Radical Polymerization of N-[4-N'-(Phenylaminocarbonyl)phenyl]maleimide and its Copolymerization with Methyl Methacrylate". C. B. Patel, **Naved I. Malek** and S. L. Oswal, *J of Macromolecular Science . Pure & Applied Chemistry*. Vol.43, (2006) 289-303.
- [7] "Studies of viscosities of dilute solutions of alkylamine in non-electrolyte solvents. II. Haloalkanes and other polar solvents" S.L. Oswal, J.S. Desai, S.P. Ijardar, **Naved I. Malek**, *Thermochimica Acta*, Vol.427, (2005) 51–60.

CONFERENCES/SYMPOSIUM/WORKSHOP

PAPER PRESENTED

- [1] Poster Presentation of Research Paper entitled "Synthesis and characterization of linear aromatic polyester-amides from diamidoacid chlorides and diols" Organized by Polymer Processing Society during the International Conference PPS-25 held at GOA, on 1st -5th March, 2009.
- [2] Poster Presentation of Research Paper entitled "Synthesis and characterization of linear aromatic polyester-amides from diamidoacid chlorides and diols" Organized by Department of Chemistry, Department of Chemistry, Rashtrasant Tukadoji Maharaj

- Nagpur University, Nagpur In association with S. K. Porwal College, Kamptee, Nagpur, Under the auspicious of Indian Thermodynamics Society, on 16th -17th Oct, 2008.
- [3] Poster Presentation of Research Paper entitled "Thermodynamic verification of the newly synthesized aromatic polyester-amides by different methods" Organized by Department of Chemistry, V.N.S.G.University, Surat, Under the auspicious of Indian Thermodynamics Society, Surat on 30th Oct -1st Nov, 2007.
- [4] Poster Presentation of Research Paper Organize by Indian Chemical Society, Vadodara Chapter at 4th All Gujarat Research Scholar Meet, held at Applied Chemistry Department, Faculty of Technology & Engineering, M.S. University, Baroda on 22nd Jan. 2006
- [5] Poster Presentation of Research Paper at National Conference on Thermodynamics of Chemical & Biological Systems at Guru Nanak Dev University, Amritsar, Punjab on 28th-30th Dec. 2005
- [6] Oral presentation of Research Paper Organized by Ahmedabad Textile Industry's Research Association, on 10th-11th Dec. 2005.
- [7] Poster Presentation of Research Paper Organize Jointly by ISSST and Department of Chemistry, M.S. University, Baroda on 11th-13th March, 2005.
- [8] Poster Presentation of Research Paper at "International Conference Advances in Polymer Blends, composites, IPNS and Gels: Macro to Nano Scales" organized by School of Chemical Science Mahatma Gandhi University, Kottayam, Kerala on 21st-23rd March, 2005.
- [9] Oral presentation of Research Paper Organized by Indian Chemical Society, Department of Chemistry, University Of Delhi, Delhi, on 23rd-27th Dec.2004.

ATTENDED

- [10] "National Workshop on Spectroscopy & Theoretical Chemistry" on 08-12th, Feb. 2005, organized by Department of Chemistry, M.S. University, Baroda, and ZYDEX industries Baroda and ISAS Baroda Chapter.
- [11] One day Short Course on "Surfactants: Theory and Practice" on 08th, Dec. 2005, organized by Department of Chemistry, M.S. University, Baroda.
- [12] One day Short Course on "Nano technology-Its Application and Horizons" organized by Department of Chemistry, DDIT, Nadiad, Gujarat.
- [13] Attended three day "Cadila Chemistry Conference" as an R&D Employee of Cadila Pharmaceuticals LTD, Ahmedabad
- [14] Attended 5days workshop Short term training Programme on Recent Trends in Corrosion and its Control from 26th Nov 2007 to 30th Nov 2007.
- [15] Attended one day workshop on "Green Chemistry", organized by Navyug Science College, Surat on 22nd August 2008.
- [16] Attended two days Seminar on "Recent Trends in Chemistry", organized by Department of Chemistry, Malegaun on 4th-5th October, 2008.
- [17] Attended Staff Development Programme on "Applications of Mathematical Sciences and Soft Computing" during 8th - 12th December, 2008 at the Mathematical section at Applied Science and Humanities Department, Suart-07.