

VIMAL SAINI

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Career History

January 2009 - present: Material Science Research Centre, Glyndwr University, Wrexham, UK.

Master of Research in Polymer Science and Technology

Modules included: Chemistry of water soluble polymers, Rheology and processing of a macromolecular system, Analytical chemistry

Thesis Title: Aspects of adhesive bonding of low energy polymers

Supervisors: Prof. Anthony Johnson and Dr. Steve Wong

This was an industrial project with a company called OpticGlyndwr, St. Assaph, UK, involved in the feasibility of bonding low energy polymers such as polypropylene and polyethylene without any surface treatment to the polymer.

July 2005 – June 2008 - Kurukshetra University, Haryana, India

Bachelor of Science (Chemistry and Biochemistry)

Modules included: Organic, Inorganic, Physical Chemistry, Biomolecules, Enzymology, Intermediary Metabolism, Molecular Biology, Biomedical techniques, Clinical Biochemistry, Polymer Chemistry.

April 2004 – May 2005- Shri Mahavir Jain Public School, Kurukshetra, Haryana, India

A Level: Physics, Chemistry, Biology and Physical education.

Research Techniques

I am competent in the following techniques:

- Peel and tensile test of polymers

- UV Spectroscopy, Gel Permeation Chromatography, Differential Scanning Calorimetry

- Rotational Rheometry (controlled stress, controlled deformation)

- Extensional Rheometry (Capillary Rheometer)

- Surface Tensiometry

- Electron Paramagnetic Resonance

- Fourier Transformer Infrared Spectroscopy

Membership of Professional Bodies

Associate Member, The Royal Society of Chemistry, Cambridge, UK (AMRSC).

Key Skills

Computer Skills - Windows Operating Systems, MS Office, MS Outlook, Internet, Email.

Project Management - Managed master degree project with minimum supervision within the permitted time and outstanding results

Languages - Proficient in English, Hindi and Punjabi

Part time work experience

July 2009- May 2010 – Hotel Crowne Plaza, Chester, UK

Housekeeper

I initially worked as a linen porter in the linen room and then promoted to the housekeeping job. I was responsible for cleaning rooms and stock control checks etc.

Interests and Achievements

- Played cricket at School and College level
- Won prizes at school and college level for singing
- Awarded 2nd prize in the poster presentation at Young Scientists Symposium, held by Royal Society of Chemistry at Glyndwr University, Wrexham.

References

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