

RESUME

Personal

Name: Dr Fazal Mabood
Father's Name: Ghulam Maula
Domicile: Swat
Marital status: Married
Mailing Address: Institute of Chemical Sciences,
University of Peshawar, Peshawar, Pakistan



Permanent Address: Village Barham Patti P.O. Fateh Pur, District Swat, NWFP,
Pakistan

Phone: (Off.) +92-91-9216652

Fax: +92-091-9216652

E-Mail: mehboob86@yahoo.com

Academic Details

Degree	Subjects	Institution	Year of Graduation	Board/Univ.
Ph.D	Chemistry	Institute of Chemical Sciences	2008	University of Peshawar
M.Sc.	Chemistry	Department of Chemistry,	2002	University of Peshawar

PhD Research Project

Thermal catalytic liquefaction of waste plastic and tires into valuable chemicals and petrochemical feedstock

Research Areas of Interest

1. Determination and separation of polyaromatic hydrocarbons into petroleum products.
2. Analysis and quality control of petrochemicals products
3. Chemistry
4. Waste polymers recycling into valuable chemicals
5. Analysis and quality control of environmental samples
6. Quality assurance/control ,research and mthod development for Pharmaceutical products

Field of Study Chemistry
Field of Specialization Analytical and Fuel Chemistry
Employment Records

1. Working as Assistant Professor and research worker in the Institute of Chemical Sciences, at University of Peshawar since May 2, 2008, to till date.
2. Worked as a Lecturer and research worker in the Institute of Chemical Sciences, at University of Peshawar from November 21, 2002, to May 2, 2008.

Job Description

- Teaching and supervising to postgraduate Chemistry students at Institute of Chemical Sciences, University of Peshawar
- Operation and maintenance of modern analytical instruments
- The demonstration and administration of laboratory practical for students
- Any ordering of new equipment and chemicals for all chemistry laboratory programs
- Sending equipment to the appropriate vendors for repairs
- The setting up of marking schemes for the students
- Setting up equipment and ensuring that it is functional
- Setting out chemicals in appropriate containers and at appropriate locations in the laboratories
- Maintaining the laboratory equipment, including the fixing of minor equipment problems where feasible
- Replacing chemicals that run out during the weekly experiments
- Ensuring that equipment and chemicals have been put away at the conclusion of each experiment
- Ensuring that the laboratory is kept clean and maintaining a safe laboratory environment
- Closing each laboratory section upon completion of the laboratory period
- The creation and updating of computer files for the laboratory reports and final grades
- Conducting laboratory scale research for oil recovery from waste plastics and rubber
- Investigating new methods and procedures, for recycling of waste polymers into useful chemical feedstock recovery, coupled with environmental initiatives recognized by governmental authorities as industry best practice
- Preparation of proposals plans
- Teaching, practicing and Implementing chemical safety policy and procedures
- Generating reports on equipment failure/ breakdown/ abnormal observation and following up on the Failure Analysis Report.

Instrument Usage Proficiency

Operated different instruments like, UV visible spectrometer, FTIR, GC- FID, HPLC, Atomic Absorption (AA), TGA and DTA, Flow Injection Analyzer (FIA), Polarimeter, Spectrofluorometer, Bomb Calorimeter, Bomb Autoclave, Flash Point determination

apparatus, Aniline point apparatus, ASTM Distillation Apparatus, Refractometer, Pour point Determination Apparatus, etc.

Distinction

Winner of 2nd Prize of “1st Regional Science & Technology Model Competition” Organized by Directorate of Science & Technology NWFP, dated 26-28 June, 2008, held at Pakistan Forest Institute Peshawar.

Administrative Experience

- Member of organizing Committee of the Two days Seminar, at the occasion of Golden Jubilee Celebration of the Institute of Chemical Sciences, University of Peshawar in November 2005.
- Supervisor of Student Societies, University of Peshawar, 2005-till date.
- Member of Alumni.
- Member of the organizing Committee of 9th Symposium on Analytical and the Environmental Chemistry jointly organized by Institute of Chemical Sciences, University of Peshawar and National Center of Excellence in Analytical Chemistry, University of Jamshoro held in July 24th-26th, 2006.

Communication Skills

Proficient in reading, writing, listening and speaking abilities of the following languages:
Pushto (Local), English (international), Urdu (National)

Interpersonal Skills

Effective leadership, communication & interpersonal skills with strong analytical and problem solving abilities, excellent interpersonal skills for coaching less experienced staff, the people skills necessary to influence and interact effectively with project teams to provide the best solutions. The ability to coach and mentor others, the willingness and ability to work under tight deadlines, the ability to be a solid team player and has the ability to work effectively with people from different backgrounds and skills. Dependable with sense of responsibility, hardworking, creative and resourceful.

Computer Proficiency

Computer literate, proficient using Windows, Microsoft Word, Excel, PowerPoint also equipment sizing, load profiling.

Co-curricular Activities

1. Secretary of Chemical Society, Institute of Chemical Sciences, University of Peshawar, Pakistan.
2. Volunteer of Japan Cultural Poster Display, University of Peshawar.
3. Member of organizing committee of Photographs/portrait exhibition on the occasion of National Independence Day of Pakistan 14th August.

Workshops

1. Participated in workshop on Chromatography, Coordination Chemistry and Polymer Chemistry, organized by Department of Chemistry, Gomal University D.I.Khan under the auspices of National Core Group in Chemistry, Higher Education Commission, Islamabad held January 23-28, 2006.
2. Participated in workshop on B.Sc Four Years Integrated Curriculum, organized by Institute of Chemical Sciences, University of Peshawar, held July 23-31, 2007.
3. Participated in workshop on First Aid Training, organized by Red Cross Society, University of Peshawar, held December, 01-04, 2007.
4. Participated in workshop on Academics, jointly organized by United State Education Foundation and Staff Training Institute of Peshawar University at, University of Peshawar, held April, 17-18, 2007.
5. Participated in exhibition "1st Regional Science & Technology Model Competition" Organized by Directorate of Science & Technology NWFP, dated 26-28 June, 2008, held at Pakistan Forest Institute Peshawar.

Conferences Attended

- 1st International & 11th National Conference (CHEMCON 2000) held in April 2001 at Institute of Chemical Sciences, University of Peshawar.
- 7th National Symposium on Analytical and the Environment organized by National Centre of Excellence in Analytical Chemistry, University of Jamshoro under the auspices of Chemical Society of Pakistan held in March 4th-5th, 2003.
- International Conference on Environmental Challenges organized by Department of Environmental Planning and Management from 11-03-2004 to 13-03-2004.

- 9th Symposium on Analytical and the Environmental Chemistry jointly organized by Institute of Chemical Sciences, University of Peshawar and National Center of Excellence in Analytical Chemistry, University of Jamshoro held in July 24th-26th, 2006.
- Participated in the 2nd meeting of Nobel Laureates with Pakistani Graduates held in Islamabad from 27 to 29th March 2007.
- Participated in one day Seminar on “Atomic Absorption Spectroscopy” Organized by WeBrothers Supplier, held in Islamabad at 15 June, 2008.

List of Publications

1. Jasmin Shah, M.Rasul Jan, **Fazal Mabood** and M.Shahid “Preparation and Characterization of Carbon Black from Waste tyres and their utilizations as adsorbent” *Journal of the Chinese Chemical Society*, 53, (5) 1085-1089 (2006).
2. Jasmin Shah, M.Rasul Jan and **Fazal Mabood** “Catalytic conversion of waste tyres into valuable liquid fuels”, *Journal of Polymer and Environment*, 15, (3) 207-211 (2007).
3. Jasmin Shah, M.Rasul Jan and **Fazal Mabood** “Conversion of waste tires into liquid hydrocarbons via base Catalysis”, *Iranian Journal of Chemistry and Chemical Engineering*, 27, xx (2008).
4. Jasmin Shah, M.Rasul Jan and **Fazal Mabood** “Recovery of value-added product from the catalytic pyrolysis of Waste tire”, *Journal of The Pakistan Chemical Society* (Submitted).