

Dr. MOZAFFAR ALAM KHAN

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Experience Summary

Having more than 23 years of work experience which includes Research & Development in the development of materials/ polymers/ Resins/ adhesives, processing & characterization techniques etc. Technical Support to customers in wide range of user industries, product development and improvement, Customer Complaint handling, Root Cause analysis and Business Development. Responsible for guiding Planning and executing R & D & quality control team for product development as per customized need.

Major areas of Research and Development include: Polymer, Adhesives, Resins, coating/ Paints, Natural products extraction processes, phenolic resin, renewable material, Lignin modified phenolic resins, Lignin modification for newer applications, wood composites, laminates, Lignin based rigid PVC blend for outdoor application, Construction chemicals, Polymer synthesis and characterization, PGA based bio- absorbable Suture and Application based PVC and PE polymeric compositions, Exposure in handling large capacity premium grade Methanol & Formaldehyde based various Derivatives like Monomethylamine, Dimethylamine, Trimethylamine, Dimethylformamide, Hexamine, Pentaerythritol, Sodium Formate, UF, MF, MUF powder resin, UF 85 Concentrate, Sulphonated Naphthalene Formaldehyde etc. Worked on various projects in the areas of Specialty chemicals, Biomaterials, Polymers, Rubber and plastics, Renewable material, Phenolic resins, Amino resins and all type of formaldehyde resins, Adhesives, Wood composite, Laminates, Construction Chemicals, Animal nutrition and feed supplement, etc.

Serve Industries for Technical Marketing, Technical Support to Global Customers, Customers Complaints handling, Product development and improvement, Product positioning in newer application areas & Business development for various Petrochemical based Specialty Chemicals for **Methanol Chemicals Company (CHEMANOL)**. CHEMANOL (former Saudi Formaldehyde Chemical Company Limited) is a grass root, second generation petrochemical complex located in Kingdom of Saudi Arabia manufacturing premium grade Methanol & Formaldehyde based various Derivatives. Continuous research and development of new products/ tailor made formulations produced to match customized specification.

Worked on following projects:

- Development of Polyglycolic Acid Based Synthetic Absorbable Suture as per USP- 23: [Commercialized](#)
- Development of Rodent repellent, antifungal PVC compositions: [Commercialized](#)
- Development of Anti-rodent PE composition for lamination of Jute fabric: [Commercialized](#)
- Development of the technology for the isolation of Antioxidant from Natural Sources: CSIR, Ministry of Science & Technology, Govt. of India: [Completed](#)
- Development of Adhesives from Agro-wastes: ICFRE, Ministry of Environment & Forestry, Govt. of India: [Completed](#)
- Technology Development of Phenol Lignin Formaldehyde Resin/ Adhesive Suitable for Industrial Plywood Production (General purpose, blockboard, oriented strand board, particle board, shuttering, densified grade etc.) as per Indian and ASTM Standard: [Commercialized](#)

- Technology Development of Phenol Lignin Formaldehyde Resin/ Adhesive Suitable for Industrial laminate Production (Decorative/ compact) as per Indian Standard: [Commercialized](#)
- Development of lignin-based compounds suitable as water reducing admixture or plasticizer for concrete/ cementitious mixes as per Indian standard: [Commercialized](#)
- Development of lignin based sulphonated compounds suitable as super plasticizer for concrete/ cementitious mixes as per Indian standard: [Commercialized](#)
- Lignin modification for the replacement of powder novolac phenolic resin suitable for molding powder application for different application areas: [Commercialized](#)
- Lignin modification for the replacement of novolac phenolic resin for newer application areas: [Commercialized](#)
- Development of process technology for producing powder lignosulphonate product for user industry. [Commercialized](#)
- Development of stabilized Hexamine (Hexamethylene Tetramine) for improved anti-caking properties: [Commercialized](#)
- Development of Urea Formaldehyde powder resin with low formaldehyde emission: [Commercialized](#)

Experience Details

- Working as **“Consultant”** with **ILAMAXIS CONSULTING LLP**, New Delhi- 110025 in Chemical Business Vertical (www.illamaxis.com)
Duration: April. 2019 to till date.....
- Worked as **“Product Development Specialist – I”** in **Marketing & Sales Department** with **Chemanol (Methanol Chemicals Company)**, one of the world’s most integrated Producer of Methanol /Formaldehyde & derivatives having largest capacity in Middle East and Africa. First private company in the petrochemical sector in the GCC region to become listed public company(www.chemanol.com)
Duration: Feb. 2017 to March, 2019
- Worked as **“Technical Head”** with **Expert Bio-products Pvt. Ltd.**, formerly ALM India pvt. Ltd. (www.fibrafid.com), An Indian arm of Swiss MNC, Greenvalue SA, operating worldwide for promoting and marketing renewable material-based specialty chemical including Animal nutritional product.
Duration: March 2012 to Jan. 2017
- Worked as **“Sr. Business Manager”** with **ALM INDIA Pvt. Ltd.** (www.asianlignin.com), An Indian arm of Swiss MNC, GRANIT RD SA, www.granit.net operating worldwide for promoting and marketing renewable material-based specialty chemical. (R & D).
Duration: June 2005 to Feb. 2012
- Worked as **“Research Associate/ Research Scientist”** with **Shriram Institute for Industrial Research, Delhi** (A unit of Shriram Scientific and Industrial Research Foundation, www.shriraminstitute.org), an ISO 9001 Certified Organization in the Material Science Division (R & D).
Duration: March 1998 to June 2005
- Worked as a **“Field Officer”** with **SGS India Ltd. New Delhi** (A group of Societie Garnale de Surveillance SA), an ISO 9000 Certified Geneva based MNC in the field of Inspection and Certification services.
Duration: September 1997 to January 1998

Publications

- Papers & Patents Published/ Accepted/ Submitted 17
- Papers presented in Seminar/ Conference/ Symposium 10

Academic/ Professional Qualifications

- **Doctorate of Philosophy (Ph. D.)** on “ *Development and Characterization of Lignin Based Adhesives from Agro wastes*”, from Material Research Laboratory, Department of Chemistry, Jamia Millia Islamia (A Central University), New Delhi in 2002. This development work is funded by World Bank and sponsored by ICFRE, Dehradun under MOEF, Govt. of INDIA
- **Post Graduate Diploma (PGDMSM)** in “*Marketing & Sales Management*” from Bhartiya Vidya Bhavan’s Sardar Patel College of Communication and Management, New Delhi, India in 1997
- **Master of Science (M. Sc.)** in “*Materials Chemistry*” from Jamia Millia Islamia, New Delhi in 1997. *Syllabus covered:* Material Science, Crystal growth and Characterization of Materials, Instrumentation and Computer application, Polymer Chemistry and Processing, Glass Ceramics and Composite Materials.
- **Bachelor of Science (B. Sc.)** Hons. in “*Chemistry*” from Jamia Millia Islamia, New Delhi in 1995

Awards and Honors

- Central Merit Scholarship, Ministry of Human Resource and Development, Govt. of INDIA
Duration: 1995 to 1997
- Junior Research Fellowship (JRF), Indian Council of Forestry Research & Education (ICFRE), Ministry of Environment and Forest, Govt. of INDIA
Duration: March 1998 to Dec. 1999

Personal Details

Permanent/ Correspondence Address : Gautam Budh Nagar, Noida- 201301, U.P. INDIA

Father's Name : Mohammad Jahangir Khan

Date of Birth : 5th January, 1974

Passport No : Z 2694800 (Expiry 02/ 05/ 2027)

References

Available on request