

## **RESUME: ISHRAT ALIM**

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**EDUCATIONAL QUALIFICATION:** M.Sc., M. Phil. & Ph. D. (Bioscience)

**PRESENT POSITION:** Working as Scientific Officer in Quality Assurance Laboratory (QAL: An ISO 9001: 2008 Certified) of Madhya Pradesh Council of Science and Technology, Bhopal w.e.f. July 1988 to till date.

**PREVIOUS POSITION:** Worked as Lecturer in Kasturba Girls College for two years w.e.f 1.07.1981 to 30.08.1983. Worked as Lecturer in Satya Sai Girls College w. e. f. 20. 09. 1985 to 31. 10. 1986 for one year.

**AWARD/ FELLOWSHIP:** Worked as Research Fellow in United States of America project under PL-480 programme- A foreign research grant scheme for three years. Awarded MECAPS "Young Scientist" in 2006 and "Life Time Fellow" of RSCS in 2015.

**RESEARCH:** Ph.D. Experimental work, Results Interpretation and Guidance in writing work (15), Dissertation/Internship/Project work for B. Tech/M. Pharma/M. Tech/M. Phil/M. Sc. Students (38), Publication/Presentation/Abstract in seminar or conference (58), Association in projects (11).

**PROFESSIONAL EXPERIENCE:** Teaching in college (3 years), Teaching and demonstration of analytical and advanced instrumentation techniques in QAL (15 years, since 1995) for the Students of School/ College/ Universities, Research and Development (29 years since 1985 including USDA project).

**TECHNIQUES:** Spectrophotometric characterization vis., UV-VIS, Atomic Absorption and Fourier Transform Infrared Spectrophotometer, Gas Chromatography, High Performance Liquid Chromatography, Microwave digester system, PCR, ELISA, Electrophoresis, and HPTLC and Microscopic techniques. Also familiar with microbiological analysis, analysis of Food and Agri-produce,

**RESEARCH CONTRIBUTION:** Research Project formulation/ practical oriented training or workshop modules designing, Standard of Operating Procedures for Sample characterization by spectroscopic methods, Preparation of samples and detection of elements by AAS, Advanced Instrumental Methods of Analysis, Water and Soil Quality Monitoring and Management, Food Quality Monitoring Methods, Cultivation, Processing and Phytochemicals studies of Medicinal and Aromatic plants, Synthetic Drug Formulation and Testing and Herbal Drugs Quality Control Methods. Approved Analytical Chemist for Instrumental analysis and chemical testing from Food and Drug Administration, State Government.

**TRAININGS:** Vocational (7) Communicated (impart trainings 51).

**FELLOWSHIP/MEMBERSHIP:** Indian Society for Promotion of Medicinal and Aromatic Plant Research, Calcutta (India), Researchers Society of Chemical Sciences, (India), National Academy of Sciences, Allahabad (India).