

CURRICULUM VITAE

"I am a hard working and enthusiastic professional with ability to work well as part of team and alone. I believe in continuous learning and sharing the gained experience and knowledge amongst peers."



MAHESH KUMAR SAINI

Educational Qualification

- 2004** Graduation in Science (B.Sc. Gen. (B)), from Sri Aurobindo College Malviya Nagar, University of Delhi, **First Division**
- 2006** Masters of Science (M.Sc. Agrochemicals & Pest Management) from University of Delhi, **First Division**
- 2011** Diploma in Management (DIM) and Post graduate Diploma in Management (PGDIM) from Indira Gandhi National Open University (IGNOU), Second Division
- 2012** Post Graduate Diploma in Marketing Management (PGDIMM) from Indira Gandhi National Open University (IGNOU), **First Division**
- 2016** Master in Business Administration (MBA) specialization - Marketing Management from Indira Gandhi National Open University, **First Division,**
- 2017** Pursuing Ph.D. in chemistry from School of Science, Indira Gandhi National Open University- Delhi.

Professional Experience/ Achievements

- 2006-2011** Jr. Scientist-‘A’ in Shriram Institute of Industrial Research
- 2011- till date** Scientist-‘OPCW’, Deputy Quality Manager in Institute of Pesticide Formulation Technology- Gurgaon.
- 2013** Director’s Best Performance Award for excellent contributions in work related to ‘OPCW’ PT.
- 2013** Third prize for poster in International Conference on Frontiers of Mass Spectrometry (ICMS-2013) at MG University-Kottayam Kerala.
- 2015** Approval of IPFT from IGNOU as programme study centre for Post Graduate Diploma in Analytical Chemistry, (PGDAC).
- 2015-till date** Academic Counsellor for course PGDAC – IGNOU.

Skills

Chromatography	Hands on experience of Gas chromatography with detectors ECD, FPD, NPD, FID and Mass Spectrometry & Mass Tandem. Liquid chromatography with detectors DAD, PDA and Mass Spectrometry, Mass Tandem.
Spectroscopy	UV, IR
Sample Preparation	Various conventional, modern and advance techniques - LLE, Soxhlet extraction, distillation, fractional distillation, Sonication, Microwave assisted extraction/ digestion, Accelerated Solvent Extraction, Single Drop Microextraction (SDME), Solid Phase Extraction (SPE), Solid Phase Microextraction (SPME)
Software/ Packages	MS-Office, Corel, Photoshop, Chromeleon (Perkin Elmer), Xcalibur, LC-Quan (Thermo-Scientific), ChemStation (Agilent), Lab Solutions (Shimadzu), Empower (Waters)

Publication: Abstracts

1. 'Ethanol Blended Petrol & Diesel: An Eco-Friendly Fuel for Transport Sector' in National Workshop on Emerging Horizons in Biofuel Research and Application (NWEBRA-2009), 25-27 July 2009 at Dept. of Botany, Raja Balwant Singh College, Agra.
2. 'Bioethanol from Lignocellulose Substrate- A potential Alternative to Liquid Petroleum Fuel' in National workshop on emerging Horizons in Biofuel Research and Application (NWEBRA-2009), 25-27 July 2009 at Dept. of Botany, Raja Balwant Singh College, Agra.
3. 'GC-MS Analysis of water sample from different region of Haryana' International Conference on recent advances in chemical sciences (ICRACS-2013), Feb. 24-26, 2013 at Arya P.G. College Panipat, Haryana.
4. 'Method Development and Validation for multiclass pesticide residues in cereals using Gas Chromatography Electron Capture Detection (GC-ECD) and Mass Spectrometry (GC-MS)' International Conference on Chemistry: Frontier & Challenges March 2-3, 2013 Aligarh Muslim University.
5. 'Determination of 25 pesticides by GC-ECD and MSD with measurement of uncertainty in Tomato and Banana using modified Quechers Technique' International Conference on Frontiers of Mass Spectrometry Sept. 6-9 2013, Mahatma Gandhi University, Kottayam-Kerala.
6. 'Analysis of multiclass pesticide residues in farmland water samples from different districts of Haryana by Gas Chromatography and mass spectrometry in National Conference on Interdisciplinary Approaches in Chemical Science IACS-2015 at Jamia University, Delhi.

Conference/ Seminars/ Presentation

1. Oral Presentation in NWEBRA-2009 held by Dept.of Botany, Raja Balwant Singh College, Agra UP, 25-27 July 2009.
2. Second International Conference on Agrochemicals Protecting Crops, Health and Natural Environment held at IARI, New Delhi from 15-18 February 2012.
3. Poster presentation in International Conference on Frontiers of Mass Spectrometry (ICMS - 2013) Sept. 6-9, 2013.
4. Participation in Sensitization workshop on GLP (Good Laboratory Practices) at INSA Dwarka, Delhi from 11-12 Sep. 2014.
5. Participation in Sensitization workshop on GLP (Good Laboratory Practices) at IIHMR Dwarka, Delhi from 28-29th January 2016.
6. Posters Presentation (4 Nos.) in APCHNE- 2016, IUPAC Conference, 6-9 April 2016 at NAS Complex New Delhi.
7. Workshop on Analytical Techniques in Food Safety using GC-MS/MS from 14 July-15 July 2016, held at IPFT, Gurgaon Haryana
8. Participation in Sensitization workshop on GLP (Good Laboratory Practices) at India Habitat Center Delhi from 17-18th October 2016
9. Participation in Orientation program for academic counsellors, on during 21-22 October 2016 at MCI, sec.8 Dwarka, New Delhi

Published: Research Paper

1. **Mahesh K. Saini**, Neelima Garg, A K Tyagi, R K Khandal, 'Ethanol Blended Fuel in India: An Overview'; Journal of Biofuels, Vol.1 No.2 July-December. 2010 pp.209-219.
2. Kaur, R., Hasan, A., Iqbal, N., Alam, S., **Saini, M. K.** and Raza, S. K. (2014), Synthesis and surface engineering of magnetic nanoparticles for environmental cleanup and pesticide residue analysis: A review. J. Sep. Science. doi: 10.1002/jssc.201400256
3. Sudeep Mishra, **Mahesh K. Saini**, Samsul Alam, Lalitesh K. Thakur, and Syed K. Raza (2015), Determination of 25 Pesticides By GC-ECD and MSD with measurement of Uncertainty in Tomato using QuEaChERS Technique.: Journal of Applicable Chemistry (2015) 4(1): p. 221-231.
4. Sudeep Mishra, **Mahesh Kr Saini**, Mukesh kr Singh, Samsul Alam, S.K. Raza, L.K. Thakur, Shibendu Mukharjee, Method Development and Validation for identification of 2- phenyl, phenol in siapton 10 L by Gas Chromatography Mass Spectrometry., World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 4, Issue 12 783- 792, ISSN 2278 - 4357.

5. Sudeep Mishra, V.D. Deotale, M.A. Pande, **M.K. Saini**, M.K. Singh, S. Alam, B.S. Sehwat, L.K. Thakur, and S.K. Raza, GC-MS analysis of pesticide residues found in farmland water of Haryana Districts. World Journal of Pharmaceutical Research, Vol.5 Issue 8, 744-752; ISSN 2277-7105. June 2016.
6. **Mahesh K. Saini**, Sudeep Mishra, Samsul Alam, Lalitesh K. Thakur, Ompal Singh, Syed K. Raza. Method Development and Validation of Multiclass Pesticide Residues and Metabolites in wheat by GC-ECD and GC-MS. Asian J. Research Chem 9(1) ; January 2016, pg. 13-21 www.ajrconline.com
7. Sudeep Mishra, V D Deotale, M A Pande, M K Saini, M K Singh, S Ala, B S Sehwat L K Thakur and S K Raza, Monitoring of multiclass pesticide residue in farmland soil from different districts of Harayana; Agric Res. J. 54(1) 47-52, March 2017

Training

1. Training on Pesticide Formulation Development and Analysis at IPFT-Gurgaon, Haryana duration May – July 2006.
2. Laboratory Quality Management System and International Audit as per **IS/ISO/IEC 17025**, held during 02 – 05 August 2011 at National Institute of Training for Standardization (**NITS**), **Noida**.
3. Training on Pesticide Residue Analysis from Punjab Agriculture University, Ludhiana, from 6 – 10 February 2012.
4. Fundamentals of GCMS with GCMS solution workstation conducted by Shimadzu Analytical (India) Pvt. Ltd. from 25 – 26 October, 2012.
5. Extraction and Analysis of Nutraceuticals from Vegetables, fruits and non-food crops organized by **National Agricultural Innovation Project (ICAR)** during 22 – 24 November, 2012.
6. Analytical Skills Development Course (ASDC-2014), from 30 May-13 June 2014 in **VERIFIN Laboratory, University of Helsinki- Finland**.

Personal Information:

- Date of Birth: 26 January 1983
- Father's Name: Mr Mohan Lal Saini
- Nationality & Religion: Indian, Secular Hindu
- Languages known: English & Hindi

Declaration: Information provided above is true to the best of my knowledge.

Place: Delhi

Date: 05 April 2017

Signature _____


(Mahesh Kumar Saini)