

## CURRICULUMVITAE

Name: **Dr. Garima Mahajan**

*M.Sc. (Hons), UGC-NET, PhD (Chemistry)*

**RESIDENTIAL ADDRESS - Garima Mahajan**  
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**DATE OF BIRTH**- 08-10-1980

### DETAILS OF ACADEMIC QUALIFICATION -

Examination Passed	Name of Board/University	Year of Passing	%age of Marks obtained	Division
Matric	PSEB	March 1995	71	1 <sup>st</sup>
10+2 (Med)	PSEB	March 1997	56	2 <sup>nd</sup>
BSc. Med.	GNDU, Amritsar	April 2001	61	1 <sup>st</sup>
MSc. (Hons.) Env. Sci.	GNDU, Amritsar	April 2004	71	1 <sup>st</sup>
B.Ed.	GNDU, Amritsar	April 2002	68	1 <sup>st</sup>
Ph.D	SLIET, Longowal	August 2014	NA	NA
UGC-NET	UGC	December 2003	NA	NA

### PRIZES/AWARDS-

S. No.	Name of the Award	Awarding Organization	Year
1.	Best Poster Presentation Award	IHBT, Palampur	2008
2.	Most Cited Article Award (Current Citations 2285)	Journal Bioresource Technology, Elsevier (Impact Factor-9.64)	2010
3.	Best Presentation Award	Central University of Punjab, Bathinda	2011
4.	Best Teacher Award	BGIET, Sangrur	2012
5.	Outstanding Contribution in Education	DEO, Sangrur	2013
6.	Research Excellence Award	InSc Bangalore	2020
7.	Research Innovation Award (50,000 Rs Start- up Grant)	DST, New Delhi PSCST, Chandigarh	2021

## **AUTHORED BOOKS-**

1. Garima Mahajan and Sharvan Kumar (2022) Tree Seed Technology,(2022) Rama publishing House, Meerut (U.P), pp. 180. ISBN 978-93-91057-59-6
2. Garima Mahajan and Sharvan Kumar (2022) Competitive Agriculture and Soil Chemistry, (2022) Rama Publishing House, Meerut (U.P) pp. 300. ISBN 978-93-91057-60-2

## **PUBLICATIONS IN JOURNALS-**

- Dhiraj Sud, **Garima Mahajan** and Manjinder Pal Kaur, 2008, Agricultural Waste Material as Potential Adsorbent for Sequestering Heavy Metal Ions from Aqueous Solutions – A Review, Bioresource Technology, 99 (14), 6017-6027, (Ranked in top 25 most cited articles, International, Peer Reviewed **Current Citation is 2285) Impact factor 9.6**
- **Garima Mahajan**, Dhiraj Sud, 2011, Kinetics and Equilibrium Studies of Cr (VI) Metal Ion Remediation by *Arachis Hypogaea* Shells: A Green Approach, Bio resources, 6, 3, 3324-3338, International, Peer Reviewed **Impact factor 1.6**
- **Garima Mahajan**, Dhiraj Sud, 2012, Modified Agricultural Waste Biomass with Enhanced Responsive Properties for Metal Ion Remediation: A Green Approach, Applied Water Science, 2, 4, 299-308, International, Peer Reviewed **Impact factor 3.8**
- **Garima Mahajan**, Dhiraj Sud, 2013, Application of lingo-cellulosic waste material for heavy metal ions removal from aqueous solution, Journal of Environment and Chemical Engineering, 1, 1020-1027, International, Peer Reviewed **Impact factor 5.9**
- **Garima Mahajan**, Umesh Garg, Dhiraj Sud and Vinod Garg, 2013, Utilization properties of Jatropha De-oiled cake for removal of Ni (II) from aqueous solutions, Bioresources, 8, 4, 5596-5611, International, Peer Reviewed **Impact factor 1.6**
- **Garima Mahajan**, Dhiraj Sud, 2014, Nano Sized Carbonized Waste Biomass for Heavy Metal Ion Remediation, Polish Journal of Chemical Technology, 16;4, 6-13, International, Peer Reviewed **Impact factor 1.3**
- **Garima Mahajan**, Dhiraj Sud, Lignocellulosic Materials: The Cherry on the Cake of Biosorption, (Editorial) Lignocellulose, 2, 2, 327-328 International, Peer Reviewed
- **Garima Mahajan**, Dhiraj Sud, 2014, Remediation of Cd (II) Metal Ion from Aqueous Systems by using Calcium Alginate Modified (CAM) Acacia saligna and Delbergia sisso Pods Composite Beads, Separation Science and Technology, Separation Science and Technology, 50:3, 354-364, International, Peer Reviewed **Impact factor 2.4**
- **Garima Mahajan**, Dhiraj Sud, 2013, Bioremediation of Cr (VI) metal ion from aqueous solutions using modified Lignocellulosic agricultural waste biomass Int J Adv Technol Eng Res, 35-43, International, Peer Reviewed
- **Garima Mahajan**, Dhiraj Sud, 2018, Potential of Microbial Biomass for Heavy Metal Removal: A Review International Journal of Computer Applications 975, 8887, International, Peer Reviewed

- **Garima Mahajan**, Dhiraj Sud, 2017 Lignocellulosic Materials: The Cherry on the cake of Biosorption, Journal of Lignocellulose, 2252-0287, **International, Peer Reviewed**

## **PARTICIPATION/PRESENTATION IN NATIONAL/INTERNATIONAL CONFERENCES/SEMINARS -**

1. Responsible Research and Innovations in Science & Technology, Department of Sciences, Guru Nanak College, Budhlada, 29 Feb 2020
2. National Conference on Environmental pollutants and Cancer, Central university Himachal Pradesh, 20-21 May 2020
3. National Webinar on Intellectual Property Rights and Patenting, Department of agriculture, Guru Nanak college, Budhlada July 2, 2020
4. International webinar on "Online Security Issues Problems and Solutions, Department of Computer Sciences, Guru Nanak College, Budhlada 23 June 2020
5. Promotion of Self Employment and Profitability in Agriculture Using Improved Technologies, Department of Agriculture, Guru Nanak College, Budhlada 6 March 2020
6. 24th International Annual green Chemistry and Engineering Conference, ACS America, June 20-25, 2020
7. Innovation Contest in Women in STEM, Department of Agriculture, Guru Nanak College, Budhlada 5 March 2020
8. International Conference SESTEC-2016, IIT Guwahati
9. 3rd International Conference on Advancements in Engg & Technology, BGIET, Sangrur, March 20-21, 2015
10. National Congress on Science & Technology, DAV Institute of Engineering & Technology, Jalandhar, May 30-31, 2013
11. Advances in Mechanical Engineering and Energy Environment. Jan 6-7, 2012. SLIET, Longowal
12. National Chemical Constellation Cheminar, Aug 20-21, 2011, Department of Chemistry, NIT, Jalandhar
13. Innovative Developments in Engineering Applications January 27-28, 2011, Bhai Gurdas Institute of Engineering & Technology, Sangrur
14. International Conference on Emerging Trends in Chemistry, Feb11-12 2011, Punjab University, Chandigarh
15. Redefining Approaches to Address the Current Issues for Sustainable Biodiversity. Dec2-3, 2011. Society of Life Sciences, India and Chandigarh Chapters of NASI and ISCA
16. Punjab Science Congress, Feb7-9, 2011, SLIET, Longowal
17. National Seminar on Environment & Health, Sep 27, 2011, Central University, Bathinda
18. Recent Advances in Chemical and Environmental Sciences – 2010, Jan 22-23, 2010, MM Modi College, Patiala.
19. Innovative Developments in Engineering Applications IDEA 2010, BGIET, Sangrur, Jan 21-22, 2010
20. Punjab Science Congress-2010, Feb7-9, 2010, Punjab University Chandigarh

21. Recent Advances in Analytical Sciences, Apr, 12-14, 2010, HP University, Shimla
22. UGC Sponsored National Seminar on Environment and Sustainable Development, Nov 3-4, 2009, Guru Nanak Dev University, Amritsar
23. Innovative Developments in Engineering Applications IDEA 2009, March 26-27, 2009
24. Symposium on Emerging Trends in Chemical Analysis & Synthesis-ETCAS-09. Mar12-13, 2009. Department of Chemistry, SLIET, Longowal
25. 2<sup>nd</sup> National Symposium on Analytical Sciences, 23-25 Nov, 2008, IHBT, Palampur
26. Emerging Trends in Separation Science and Technology, March12-14, 2008, Department of Chemistry, University of Delhi.
27. Indian Chemical Engineering Congress, CHEMCON, Dec27-30, 2008, Punjab University, Chandigarh
28. Innovative Developments in Engineering Applications IDEA 2008, March14-15, 2008
29. International Conference on Climate Change, Biodiversity and Food Security in the South Asia Region Organized by UNESCO and PSCST, Chandigarh. Nov 3-4 2008
30. International Conference SESTEC-2008, Delhi University, Delhi
31. National Symposium on Green Chemistry, March29-30, 2007, Department of Chemistry, SLIET, Longowal.
32. National Conference on Recent Trends in Engineering & Applications of Computational Techniques REACT-2006, April 5-6 2006, BGIET, Sangrur
33. National Conference in Emerging Technologies in Mechanical Engineering. SUS Tangori, Mohali. Aug 28 2006
34. National Conference on Recent Trends in Engineering & Applications of Computational Techniques REACT-2006, April 5-6 2006, BGIET, Sangrur
35. National Conference on Recent Trends in Engineering & Applications of Computational Techniques REACT-2006, April 5-6 2006, BGIET, Sangrur

#### **EXPERT/RESOURCE/KEYNOTE LECTURES-**

1. Keynote address on topic "Effective Teaching Learning Process Tools" in Faculty Development Program, January 18-19, 2017, at Vidya Rattan Group of Colleges, Lehragaga.
2. Keynote Address on Topic "Opportunities in Artificial Intelligence for Modern Agriculture Practices" International webinar on "Online Security Issues Problems and Solutions, Department of Computer Sciences, Guru Nanak College, Budhlada, 23 June 2020
3. Expert Lecture on Topic "Patenting of Scientific Findings - Need of Today's Research" National Webinar on Intellectual Property Rights and Patenting, Department of Agriculture, Guru Nanak college, Budhlada, July 2, 2020
4. Expert Lecture on Topic "Mushroom Cultivation as a Significant Tool to Enhance the Socio-Economic Status of Rural Women" in National Conference on Responsible Research and Innovations in Science & Technology, Department of Sciences, Guru Nanak College, Budhlada, 29 Feb 2020

5. Keynote Address on Topic "Entrepreneurship Skills for Self Employment" Promotion of Self Employment and Profitability in Agriculture Using Improved Technologies, Department of Agriculture, Guru Nanak College, Budhlada, 6 March 2020
6. Expert Lecture on Topic "Significance of Women in STEM" Innovation Contest in Women in STEM, Department of Agriculture, Guru Nanak College, Budhlada, 5 March 2020
7. Resource Lecture International Web-Talk on Unmasking the Silence: Environment, Women and Mental Health, Gopichand Arya Mahila College, Abohar, 24 August, 2020
8. Invited Lecture on topic "Capacity Building among Students for Employability Skill Bridging Futuristic Demands", Department of History, GNC, Budhlada
9. Expert Lecture on Topic "Contribution of Women in Impact Creation through Agriculture", Department of History, GNC, Budhlada
10. Expert Lecture on Topic "Occupational Gender Equality: A Social Paradigm of Indian Society", Department of History, GNC, Budhlada
11. Resource Lecture on Topic "Moral Values to Inculcate Positive Competition Trait Among Students", Department of History, GNC, Budhlada
12. Expert Lecture on Topic "Role of Modern Agriculture Opportunities to Support Futuristic Needs of Society, One Day Seminar on Modern Trends in Agriculture at Department of Agriculture, Guru Nanak College, Budhlada, 25 March, 2021
13. Expert Lecture on Topic "Opportunities to Support Futuristic Needs of Society", One Day Seminar on Modern Trends in Agriculture at Department of Agriculture, Guru Nanak College, Budhlada, 25 March, 2021

#### **SIGNIFICANT ACHIEVEMENTS BEYOND TEACHING IN R&D**

- More Than 20 Expert Lectures delivered in Various Industries on topics of Environment and Safety, Environmental Laws & Policy, Environmental Hazards etc
- Consultation Project of Worth 49000/- with Mittal Health Care on the Minor Projects of Solar System Installation; Sewage Treatment Plant Establishment; Biomedical Waste Management
- Innovation Start-up Grant of Rs 50000/- granted from DST, New Delhi by PSCST, Chandigarh

## LIST OF FDP/STC/WORKSHOP

Professional Trainings received			
S. No.	Nature of Training	Duration	Name & Address of the Organization
1.	Application of sophisticated instruments	Two days	Thapar Centre for Industrial Research & Development, Patiala
2.	Teaching skills by Wipro Mission 10 X	One Week	Bhai Gurdas Institute of Engineering & Technology, Sangrur by Wipro Mission 10 X, Mumbai
3.	Non-conventional Energy Sources-Current Global scenario	One Week	Adesh Institute of Engineering & Technology, Faridkot, sponsored by Indian Society of Technical Education (ISTE) & Punjab Energy Development Authority
4.	Renewable energy sources	One Week	Sant Longowal Insitute of Engineering & Technology, Longowal, sponsored by AICTE
5.	Patent Awareness	One day	Bhai Gurdas Institute of Engineering & Technology, Sangrur by Punjab State Council for Science & Technology,
6.	Generic Skills development	One Week	Bhai Gurdas Institute of Engineering & Technology, Sangrur by National Institute of Technical Teacher's Training & Research, Chandigarh
7.	Effective Curriculum Implementation through ICT by curriculum development Centre	One Week	NITTTR, Chandigarh
8.	Faculty Development Program	Two Week	Regional Centre for Entrepreneurship Development, Chandigarh, DST, New Delhi
9.	Research methodology and data analysis	One Week	Bhai Gurdas Institute of Engineering & Technology, Sangrur sponsored by AICTE
10.	Training in Excellence	One Week	Punjab Technical University, Jalandhar
11.	Emerging Trends in Industrial Automation	One Week	Omron India Pvt. Lmt.
12.	Entrepreneurial Techniques	Two Week	Regional Centre for Entrepreneurship Development, Chandigarh, DST, New Delhi
13.	Fruit Ripening Techniques	Two Day	NCCD, Ministry of Agriculture

14.	Effective Curriculum Implementation through ICT	One Week	NITTTR, Chandigarh
15.	Recent trends in material Science and Engineering	One Week	Sharda University, Noida
16.	Entrepreneurship Skill Development Techniques	Two Week	Regional Centre for Entrepreneurship Development, Chandigarh

Scopus H-Factor	7
Google Citations	2457
Google I 10-Factor	4 D

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