

# **CURRICULAM-VITAE**

**ANITA GIRDHAR**

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## **WORK EXPERIENCE:**

Working as Assistant Professor (contractual) at J.C.Bose University of Science & Technology, YMCA, Faridabad since 2017.

Earlier worked as Guest Lecturer at Y.M.C.A. Institute of Engineering & Technology from Aug. 2007 to May 2009.

## **EDUCATIONAL QUALIFICATION**

- **Ph.D from Manav Rachna International Institute of Research and Studies, Department of Biotechnology, FET.**  
**Title: Exploration and Assessment of Efficiency of Azolla microphylla biomass for Removal of heavy Metals Lead and Cadmium from Wastewater.**
- **Cleared UGC-NET in June 2010.**
- **Diploma in Industrial Pollution and Control from Annamalai University in 1995 with 78.5 %.**
- **M.Sc in Bioscience with specialization in Environmental Biology from M.D.U. Rohtak in 1993 with 68.33%.**
- **B. Sc. Zoology Hons. from Gargi College , Delhi University, in 1991 with 62.6%.**
- **Senior Secondary from A.P.J. School, Sec-15, Faridabad in 1988 with 77.6 aggregate and 86% PCB.**
- **Higher Secondary from St. Joseph's Convent School, N.I.T. 5, Faridabad in 1986 with 71.6%.**

## **PAPERS PRESENTED IN CONFERENCES/WORKSHOPS:**

### **CONFERENCES:**

- Presented a paper a paper titled “ **Bioremediation potential of Azolla microphylla biomass to remove heavy metal lead and cadmium from wastewater**” in an International conference on “ **Environmental Challenges and Solutions**” held from **31Jan-2Feb,2020** organised by **Manav Rachna International Institute of Research and Studies**”, Faridabad.
- Presented a paper titled “**Biosorption studies on Azolla microphylla biomass for Cadmium removal from aqueous solutions.**”in a National conference on “**Emerging Trends In Engineering Science And Technology (ICETESI-2018)** held on **Feb.16-17,2018** organised by **Maharishi Markendeshwar Engineering College, Mullana, Ambala.**

- Presented a paper titled **“Physico –Chemical Assessment of water of Buria Nallah”** in a National conference on **“New Horizons in Technology for Sustainable Energy and Environment”(NHTSEE-2017)** held on **March 9-10, 2017** organised by **YMCA University of Science and Technology, Faridabad.**
- Presented a paper titled **“Use of *Azolla microphylla* plant as a new approach for cleaning industrial waste water in one day** National Workshop on **“Role of Groundwater in Smart Cities & Villages”** organized by **Centre for Advanced Water Technology & Management, Manav Rachna International University, Indian National Committee of International Association of Hydrogeologists and Municipal Corporation Faridabad** on **17 December, 2016.**
- Presented a paper titled **“Evaluating Growth Responses of *Azolla microphylla* to heavy metal Cadmium exposure”** and awarded **“Best presenter award”** in a National conference on **“Emerging Trends And Technologies in Sciences”(NCETTS-2016)** held on **March 25-26, 2016** at **Aggarwal College, Ballabgarh.**
- Presented a paper titled **“Assessment of Wastewater of Buria Nallah in one day** National Workshop on **“Water conservation & Pollution”** organized by **Manav Rachna International University and Indian National Committee of International Association of Hydrogeologists** on **19 December, 2015.**
- Presented a paper titled **“Assessing The Phytoremediation Potential And The Metabolic Responses Of *Azolla Microphylla* On Lead Exposure”** and awarded **“Best paper award in Environmental Science”** in a National conference on **“Recent Advances in Applied Sciences and Humanities”(NCASH-2015)** held on **October 10, 2015** at **Rawal Institute of Engineering and Technology”, Faridabad.**
- Participated and Presented paper in an International Conference on Green Initiatives in Science and Technology titled **“*Azolla*: A green option for Cadmium removal from wastewaters,** organized by **Department of Chemistry, Manav Rachna College of Engineering, Faridabad ,on January 15, 2015.**
- Presented a paper titled **“Study Of Effect Of Lead And Cadmium On *Azolla Microphylla* Biomass To Assess Its Potential For Bioremediation”** in **Asian Congress on Biotechnology 2013,** an International conference organized by **IIT-Delhi** under the Aegis of **Asian Federation of Biotechnology,** held from **Dec. 15-19, 2013,** at **New Delhi.**
- Presented a paper titled **“Utilization of *Azolla microphylla* biomass for removal of heavy metals cadmium (Cd) and lead (Pb) from water”** in National conference on **“Biomass Utilization”** organized by **Institute of Engineers India Limited** on **17<sup>th</sup>-18<sup>th</sup> May 2013** at **Manav Rachna International University.**
- Participated in two day **National Conference** on **“Science in Media”** held on **3<sup>rd</sup>-4<sup>th</sup> December 2012,** at **YMCA University of Science and Technology, Faridabad.** Presented a paper titled **“*Azolla*: Role in Phytoremediation”.**
- Participated in **International Symposium** on **“Recent advances in green chemistry and chromatography sciences”,** organized by **Indian Society of Analytical Scientist (Delhi chapter)** at **Manav Rachna International University** from **12<sup>th</sup>-14<sup>th</sup> January 2012.** Presented a paper titled **“Biosorption potential of *Azolla microphylla* biomass for removal of heavy metals Cadmium and Lead from waste water,** Abstract published in proceedings of the conference.
- Participated in **National conference on Ethics, Values & Morality: Concept, Theory & Practice** on **28<sup>th</sup> May 2011,** organized by **Department of Humanities and Management, FET, MRIU, Faridabad.**

## **WORKSHOPS:**

## Attended

- **One day National Workshop on Research: Lab to Publications held on 28th Aug.2021, organized by Department of chemistry and R& D section of J.C.BoseUST, YMCA, Faridabad in association with American Council Society and Vigyan Bharti Haryana ( Faridabad Unit).**
- **Hands on workshop on Virtual Labs organized by University Computer Centre and Digital Cell, J.C.Bose University of Science and Technology, YMCA, Faridabad on 3rd June 2021.**
- **Two days workshop on “Writing Good Research Publications and use of E-resources effectively”organised by J.C.Bose University of Science & Technology, YMCA, from 17th Jan.2020 to 20th January 2020.**
- **One day Workshop on “Outcome Based Education and Attainment” organised by J.C. Bose University of Science & Technology YMCA on 6th Dec. 2019.**
- **One day Workshop on “MOOC and Digital Learning” organised by Digital India Cell, JCBUST on 29th July 2019.**
- **Two day Research Workshop on SPSS-Based Application of Statistical Techniques in Doctoral Research on September 20<sup>th</sup> and 27<sup>th</sup> 2014 organised by Centre For Continuing Education MRIU, Faridabad.**
- **International Workshop on Biofuel 2012 organized by Department of Biotechnology, Faculty of Engineering & Technology, Manav Rachna International University, Faridabad, on November 5, 2012.**
- **Chromatography on 11<sup>th</sup> January 2012 organized by Indian Society of Analytical Scientist (Delhi chapter) and Manav Rachna International University at MRIU, Faridabad, Haryana.**
- **Workshop on “Intellectual Property Right(IPR): Oppurtunities and Strategies”, organized by Department of Biotechnology, FET, MRIU, Faridabad on September 1, 2012.**
- **Workshop on Innovative Technologies for Water Detoxification held on January 14-15, 2013 organized by Department of Chemistry Manav Rachna College of Engineering, Faridabad.**

## JOURNAL PUBLICATIONS:

- **Published a paper in International Journal of Scientific Research (ISSN:2277-8179), Volume4, Issue 10, October 2015 Edition titled” Assessing The Phytoremediation Potential And The Metabolic Responses Of Azolla Microphylla On Lead Exposure”.**
- **Published a paper in International Journal of Scientific & Engineering Research (ISSN:2229-5518), Volume6, Issue 9, September 2015 Edition titled”Cadmium Toxicity and Its Phytoremediation- A Review”.**
- **Paper titled ”Azolla: Role in Phytoremediation” was published in International Journal of Engineering Sciences (ISSN [Online]:2277-9698, December 2012.**

## FDP/OTHERS:

### Participated in

- **Short Term program on ‘Bio privileged and Sustainable Chemistry’ organized by the Department of Chemistry, Manav Rachna University, Faridabad, India from January 17-21, 2022.**
- **One day webinar on “ Role of Analytical Techniques in Research and Development held on 11th June 2021 organised by Aggarwal College Ballabgarh in association with Indian Society of Analytical Scientists- Delhi Chapter(ISAS-DC).**

- **TEQIP-III sponsored Online One-Week Faculty Development Programme on “Green Technologies and Environmental Sustainability (GTES-2020)” jointly organized by Department of Environmental Sciences and Department of Civil Engineering, J.C. Bose University of Science & Technology,**
- **YMCA, Faridabad from September 7-12, 2020**
- **TEQIP-III sponsored FDP on “Green Technology” organized by Department of Electrical Engineering , J.C. Bose University of Science and Technology, YMCA, Faridabad in association with Institution of Engineers (India), Faridabad local Centre from 18 July 2020 to 20th July 2020.**
- **One Week FDP on “Spectroscopic and Analytical Technique Applications” organised by Dept. Of Chemistry, JCBUST, YMCA, from 25th May 2020 to 29th May 2020.**
- **National level webinar on “NAAC Assessment and Accreditation” from 21st April 2020 to 25th April 2020, organized by KishinChand Chellaram College, Mumbai.**
- **5 day FDP on “Research Methods and Data Analysis Tools in Business Applications” organized by IIT, Delhi, from 6th Apr. 2020 to 12th Apr. 2020.**
- **5 day FDP on “Research Methods and Data Analysis Tools in Business Applications” organized by Department of Management studies, JC Bose University of Science & Technology, Faridabad, from 24th Sep. 2019 to 28th Sep. 2019.**
- **7 day FDP on “Innovative Teaching Methodologies in Technical Education” organized by Department of Management studies, JC Bose University of Science & Technology, Faridabad, from 29th April, 2019 to 4th May, 2019.**
- **6 day FDP on “Climate change & Sustainable Infrastructure development( NITTR Chandigarh sponsored)” organized by Department of Humanities and Sciences, JC Bose University of Science & Technology, Faridabad, from 4th- 9th June 2018.**
- **Faculty Development Programme, Workshop on Bioinformatics Tools and Computational Biology on 17th Dec. 2011 organized by Department of Biotechnology, FET, MRIU, Faridabad, Haryana.**

#### **AWARDS AND ACHIEVEMENTS:**

- **House captain in A.P.J. School, Sec-15, Faridabad in the year 1986-87**
- **Represented district Basketball and Handball team twice in the year, 1986 and 1987 at State level tournaments**
- **Awarded Sports Championship in St. Joseph’s Convent School in the year 1983**

#### **PERSONALITY TRAITS**

Confident, Self motivated, zest for achieving perfection in my job.

#### **POTENTIALS**

High level of Adaptability, Hard working, Sincerity & Punctuality.

#### **HOBBIES**

- Reading
- Listening music.

**PERSONAL DETAILS**

Husband's Name : Mr. Atul Girdhar  
Date of Birth : 03.02.1971  
Sex : Female  
Marital Status : Married  
Nationality : Indian  
Languages Known : English, Hindi and Punjabi

PLACE: FARIDABAD

**(Anita Girdhar)**