

## **Dr. ARUNDHATI KHANDELWAL**

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Ph.D. [ CSVTU Bhilai in the year of 2022]

M. Phil. [ C.V. Raman Bilaspur]

M.Sc. Applied Chemistry [ GEC Jabalpur]

### **WORK EXPREIENCE: - [Total 15 Years ]**

Designation : Assistant Professor (As a Guest Lecturer)  
Organization : Govt. V.Y.T. P.G. Autonomous College, Durg (C.G.)  
Duration : Oct.2024 to till date.

Designation : Assistant Professor  
Organization : G. D. Rungta College of Science & Technology, Bhilai  
Duration : Aug.2009 to Januaries 2020

Designation : Assistant Professor (As a Guest Lecturer)  
Organization : Govt. P.G. College Balaghat (M.P.)  
Duration : Sep. 2005 to Feb.2006

Designation : Assistant Professor (As a Guest Lecturer)  
Organization : Govt. P.G. College Gadarwara (M.P.).  
Duration : Aug.2004 to Feb.2005

Designation : Assistant Professor in Chemistry ( As a Guest Lecturer)  
Organization : Govt. P.G. College Balaghat (M.P.).  
Duration : Sep. 2003 to Feb.2004

### **Post Holds**

1. Head of the Department.
2. Assistant Superintendent in University Examination.
3. External of B.Sc. Practical Examination.
4. Treasurers of National Seminar.
5. Scientific in-charge of National Seminar.

## **RESEARCH WORK**

### **PAPER PUBLISHED**

[1] *Impact of Agro waste Nelumbonucifera for Removal of cationic surfactant CTAB from Waste Water*, Journal of Emerging Technologies and Innovative Research. 12 (1): 2025. (UGC Indexed Journal).

[2] *Utilization of Agro Waste for Removal of Octylphenolethoxylate and it's Impact on Adsorption Isotherm*, Indian Journal of Environment and Protection 41(2):165-172, Year 2021. (SCOPUS Indexed Journal).

[3] *Stimulation of Pithecellobiumdulce (jungle jalebi) seed with electromagnetic exposure and its impact on biochemical parameter and growth*. Materials Today: Proceedings. (2):1513-1518, Year 2021. (SCOPUS Indexed Journal).

[4] *Use of agro-waste of Trapanatans plant for removal of non-ionic surfactant from industrial Wastewater*. Journal of Chemical Society.(97): 975-978, Year 2020. (SCI Indexed Journal).

[5] *Removal of Octylphenolethoxylate from Waste Water using Carbonized and Non Carbonized Agro Waste of Typhalatifolia*, International Research Journal of Chemistry and Environment,23(9):53-61, Year 2019. (SCOPUS Indexed Journal).

[6] *Adsorption isotherm study on Removal of Triton X 100 from Waste Water Using Agro waste of Nelumbonucifera*. Journal of Gujarat Research Society21 (4): 224-229, Year 2019. (UGC Indexed Journal).

[7] *Removal of Triton X from Waste Water Using Agro Char of wetland weeds* Shaastrarth-2017, 5th International Conference on Socio-Economic Impact of Innovations in Sciences & Engineering, vol.3 pp 304 -312, Year 2017.

[8] *Sanitization of Domestic Waste Water By Eco-Friendly Mix Bed Filter* in Rungta Research International of Innovation and Research vol.(1) pp 24-28, Year 2016.

[9] *Physico- Chemical Parameter of Air Particulate Matter in Different Area of Jabalpur Region* in Rungta Research Journal of Innovation and Research vol.(1) pp 54-57, Year 2013.

### **PAPER PRESENTED IN SEMINAR/CONFERENCES**

- [1] Paper entitle *Impact of Agro Waste of Saccharum officinarum Stem for Removal of Cetyl Trimethyl Ammonium Bromide using Green Technology*, presented in national Seminar on 21-22 January 2021 at Maulana Azad National Institute of Technology [NIT], Bhopal.
- [2] Paper entitle *Analysis of Domestic Waste Water and it's Purification by Non Conventional Filters* presented in national Seminar on Oct 2011 at Govt. V. Y. Tamaskar PG Autonomous College-Durg.
- [3] Paper entitle *Role of Bhilai's Teacher in Harmony* in **International Seminar** on 12 Feb 2012 at I.A.S.E. university New Delhi.
- [4] Paper entitle *Importance of Bio-Organic Crop in Prevention of Soil Pollution* on 14 Sep 2012 at Indira Gandhi Agriculture University Raipur.
- [5] Paper Presented in **International Seminar Role of Communication in Teaching** on 20 Dec 2012 at Shri Shankaracharya Mahavidyalaya Bhilai .
- [6] Paper Presented in **International Seminar Physico- Chemical Parameter of Air Particulate Matter in Different Area of Jabalpur Region** on 8 Feb 2013 at R.C.E.T. Bhilai.
- [7] Paper entitle *Study of Different Parameter in Domestic Waste Water and It's Sanitization* on 12 March 2014 at R.C.E.T. & CG COST, Bhilai.
- [8] Paper entitle *Decontamination of Household Waste Water through Non- Conventional Sieving Method* on 8 Feb 2015 at GD R.C.S.T.Bhilai & CGCOST Raipur 8/2/2015.
- [9] Paper Presented in **International Seminar** topic is *Green Technology for Removal of Triton X from Waste Water Using Agro Char of Typhalatifolia* on 14 Dec 2017 at R.C.E.T. Bhilai.

## WORKSHOP

- 1. Entrepreneurship based faculty Development Program sponsored by Department of science and Technology , Govt. of India New Delhi & conducted at Jabalpur During 15/4/06 to 29/4/06.
- 2. New Trend and Techniques in Environment Protection at R.C.E.T.Bhilai & CG COST Raipur 11-12 Dec. 2009.
- 3. Molecular Biology Organized by Hi Media Laboratories Pvt. Ltd. 26-27 Nov.2013.
- 4. Preservation on Fruit & Vegetable" sponsored by Govt. of India Woman & Child Development Ministry, at GD R.C.S.T. Bhilai 17/8/15 to 21/8/15.
- 5. Advance in Non- conventional Energy at R.C.E.T.Bhilai & CG COST Raipur 23-24 Dec.2015
- 6. Intellectual Property Rights at R.C.E.T.Bhilai & CG COST Raipur 20 Aug2016.
- 7. Emerging Trends of a Chemicals in Human Life at Govt. P.G. College Durg, 6Feb 2017.

8. IPR and IPR Institutional frame work Policy at CSVTU Bhilai, 27 April 2018.
9. Academic Writing Skills at CSVTU Bhilai, 26 June 2018.
10. Elements of Research at National Institute of Technology [NIT] Raipur, 25-29 Nov.2019.
11. Faculty Development Program sponsored by Internal Quality Assurance Cell(IQAC) at Govt. V.Y.T. P.G. Autonomous College, Durg; Funded by RUSA from 17<sup>th</sup> to 22<sup>nd</sup> march,2025

### **Extra Curricular Activities**

- N.C.C. “B” Certificate

### **PERSONAL INFORMATION**

Name : Dr. Arundhati Khandelwal  
Husband Name : Shailendra Khandelwal  
Languages : English, Hindi  
Permanent Address : 7/9 Nehru Nager ( East ) Bhilai (C.G.) 490020

I hereby declare that above information is correct and true to best of knowledge.

Smt. Arundhati Khandelwal