

## **RESUME**

### **Dr. Nirma Kumari Dhaker**

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## **OBJECTIVE**

I desire a career which always aspiring, with ample opportunities for growth, I seek an organization, which can use my abilities to the fullest while providing me with wide ranging exposure, sufficient responsibility and independence.

## **ACADEMIC QUALIFICATIONS**

□ Ph.D. in **Chemistry** (Physicochemical Study of Soil and Groundwater Quality in the Vicinity of an Industrial Area of Bhilwara City, Rajasthan) from **Sangam University, Bhilwara (Raj.) (Batch 2018)**

- M.Sc. (Chem.) from **Mewar University, Chittorgarh (Raj.) (2017)**
- B.Sc. from **MDS University, Ajmer (Raj.) (2015)**
- 12<sup>th</sup> Pass from **R.B.S.E. Rajasthan (2008)**
- 10<sup>th</sup> Pass from **R.B.S.E. Rajasthan (2006)**

## **RESEARCH PAPERS / ARTICLES:**

- Research Paper: N. Dhaker **Impact of Dyeing Industrial Effluent on Physicochemical Parameters of Ground Water Quality of Industrial Area of Bhilwara, Rajasthan.** *Studies in Indian Place Names UGC Care Journal* 2020.
- Research Paper: Nirma Dhaker, **Impact of Dye Industrialeffluent on Soil Quality Parameters at Rico Industrial Area Bhilwara Rajasthan.** *Biosc.Biotech. Res.Comm UGC Approve Journal* 2020.
- Research paper: Nirma Dhaker, **Impact of COVID- 19 lockdown on physicochemical water quality parameters textile city Bhilwara.** *SHODH SANCHAR BULLETIN Journal* 2021.
- Research paper: Nirma Dhaker, **Impact of Industrial Effluent on Groundwater, and Soil Quality in the Vicinity of Industrial area of Bhilwara Raj.** *Wesleyan Journal of Research*, 2021.

- Research Paper : Nirma Dhaker, **To Investigate The Effects Of A Covid -19 Lockdown On Soil Quality Measure In Bhilwara's Industrial Region (Rajasthan).** Journal of Positive School Psychology Vol. 6, No. 7, 2388-2392 2022.
- **Research Paper:** Nirma Dhaker, **Changes in ground water Quality of textile city Bhilwara After COVID- 19 Lockdown.** Journal of applied Geochemistry Vol,23, Issue 3(2021) pages 214-218 2021.
- **Research Paper:** Nirma Dhaker, **Impact of textile dyeing effluent on soil quality parameters.** Journal of Industrial Engineering ISSN: 2640-1118 (5360164) 2025

### **BOOK CHAPTERS:**

- **BOOK TITLE: CRITICAL REVIEW OF THE NEW EDUCATION POLICY IN THE PRESENT CONTEXT**  
CHAPTER TITLE: NEP 2020: Modernization of Indian Education System  
ISBN: 978-93-5570-208-1  
AkiNik Publications, 2022
- **BOOK TITLE: Trends in AGRICULTURE Using IoT**  
CHAPTER TITLE: A Review on application of Drone System in Precision Agriculture  
ISBN: 9789355-701114  
AkiNik Publications, 2022

### **BOOK PUBLISHED:**

- **Title: Drinking Water Chemistry: A Practical Guide**  
Publication: Walnut Publication  
US ISBN: 978-1-957302-18-8 (e Book)
- **Title: Analysis Techniques to Measure Soil and Water Quality**  
Publication: Mewar Shree Publication  
ISBN: 978-81-957739-3-0
- **TITLE: Recent Trends & Innovations in Applied Sciences**  
Publication: SU publication  
ISBN: 978-81-970242-3-8

### **PATENTS:**

S.No.	Patent Number	Title of the Invention	Date / Year
1.	6338601	An Apparatus of Extraction of Active constituents from herbal plants.	11 January, 2024
2.	202311072526A	Composition of Green Synthesized Silver Nano-Particles for removing contaminants	24 November, 2023

		from industrial wastewater.	
3.	202311068634A	A method of production of Hydrogen gas from Prosopis Juli flora plant using dilute nitric acid.	24 November, 2023
4.	202311051839A	Composition of Activated Charcoal of Hibiscus Populneus and copper nanoparticles for removing fluoride from water.	01 September, 2023
5	6329603	Medical and Laboratory Equipment Apparatus and equipment foe Doctors hospitals and laboratories	7 Dec. 2023

### **CONFERENCE ATTENDANTS:**

- International Conference on Transforming Lives Through Adoption of SDGS: Role of higher education (TLASH-2024) has presented a Research Paper on Entitled Integrating Green Chemistry and Technology to Achieve Sustainable Development Goals " at GD Goenka University, Gurugram (India), 2024.
- International Conference Attend January 22- 24, 2024 (RTIAS -24) Recent Trends & Innovation in Applied Sciences for Sustainable Development of Environment, Sangam University, Bhilwara 2024.
- The International Conference on Analytical & Interdisciplinary Research (ICAIR-2022) has presented a Research Paper on the Impact of Textile Dyeing Effluent on Soil Quality parameters.
- National Conference on Nucleic acid Science & Technology (NCNST 2021) CSIR- Institute of Mineral and Materials Technology, Bhubaneswar.
- INTERNATIONAL CONFERENCE, Analytical & Interdisciplinary Research (ICAIR-2021) has presented Research Paper on Impact of Industrial Effluent on Groundwater and Soil Quality in the Vicinity of Industrial area of Bhilwara Raj.
- TWO DAYS ONLINE INERNATIONAL SYMPOSIUM ON ENERGY CONSERVATION & SOLAR ENERGY, School of Basic & Applied Science, 2020.
- INTERNATIONAL CONFERENCE "Environmental & Climatic Consequences: Challenges & Mitigation Strategies, and presented research paper, 2019.

- CHEMISTRY: An Ocean for Career and Commercialization sessions of the webinar, attend in Chemistry Department, 2020.
- NATIONAL CONFERENCE ON, “Trends and Innovation in Chemistry” [NCTIC-2019].
- CONFERENCE ON RESEARCH AND INNOVATIVE IN APPLIED SCIENCE, Paper Present [NCRIAS-2018].
- NATIONAL CONFERENCE: Frontiers in research & Development on agriculture, Bio medicinal, chemical, AND PHARMACEUTICAL SCIENCE: PAPER PRESENT TOPIC: BRIF STUDY OF BENZOTHIADIAZOLE BASED ON ORGANIC DYES, 2016.
- NATIONAL CONFERENCE AND WORKSHOP ON GREEN CHEMISTRY: TEACHING AND TECHNOLOGY- PRESENTED A POSTER, 2016.
- M.Sc. project title: synthesis and characterization of **N-HYDROXYPHTHALIMIDE AND ITS DERIVATIVES**.

### **EXTRACURRICULAR ACTIVITIES**

- NEP 2020 Orientation & Sensitization Programme Organized by Malaviya Mission Teacher Training Center, Devi Ahilya Vishwavidyalaya, Indore (M.P.) from 20-02-2025 to 28-02-2025
- Density Functional Theory of Materials (DFT-M) 7 days FDP Using Quantum Espresso Package, Center for Advanced Computational Research, New Delhi. India (2024).
- Outcome-Based Education & Its Implementations” Organized by Internal Quality Assurance Cell [IQAC] held at Sangam University. 2022.
- National webinar on “Chemical Modeling, Design & Developments for Sustainable life” Organized by the Department of Chemistry, Sangam University, 2021.
- Attended a two-day National Webinar on Awareness on COVID-19 PANDEMIC, organized by School of Basic and Applied Science Sangam University 2021.
- National level Virtual Seminar on Coronavirus and Chemistry: Its Research and Response DEVCHAND COLLEGE ARJUNNAGAR KOLHAPUR. 2021.
- INTERNATIONAL WORKSHOP on Plagiarism and Academic Integrity: Problem and Solutions organized by Manuscript Edia, Kanayakumari on 24<sup>th</sup> to 25<sup>th</sup> July ,2021 through online pedagogy.
- SHRI RAMSWAROOP MEMORIAL UNIVERSITY, Research and Consultancy Cell, Protection of Intellectual Property: An Overview of Patent Filling System in India, 2021.
- E- Faculty Development Program on IPR Awareness and Commercial Competences-( IAACC 2021).
- National Seminar on Chemistry as Central Science: Recent Trends and Future Challenges, 2019.
- National Seminar on Advanced Technologies in Agriculture, Engineering and Applied Science to Maximize the Farmers Income, presented a poster, 2019.
- Certificate of Achievement in Shot Put and achieving 3<sup>rd</sup> Position, 2016.

- Certificate of Achievement in Discus Throw and achieving 3<sup>rd</sup> Position, 2016.

### **EXPERIENCE**

- Currently working as an Assistant Professor, Department of Chemistry, School of Basic Applied Science, Sangam University. (Since March 2022)
- Internship at Rise Agro Infra Pvt. Ltd. Indore. (2021)
- Worked as Research Associate at Sangam University, Bhilwara for 18 months. (2018-20)
- Seed Trial Training at Rise Agro Infra Pvt. Ltd. (2018)

### **PERSONAL PROFILE**

Name	:	<b>Nirma Kumari Dhaker</b>
Husband Name	:	Ronak Dhaker
Date of Birth	:	2 July, 1989
Sex	:	Female
Language Known	:	English, Hindi
Contact no.	:	7425803230
Email Id	:	nilimadhakar01@gmail.com

### **DECLARATION**

I solemnly affirm and declare that the information furnished above is true and correct to the best of my knowledge, and I have concealed nothing. Original testimonials will be shown to you as per requirements.

Place: Bhilwara

(Dr. Nirma Kumari Dhaker)