

# Dr. Aman Dongre

Ph.D. Biosciences

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## OBJECTIVE

To achieve a challenging position in a reputable organization that will allow me to broaden my learnings, knowledge, and skills. Secure a responsible career opportunity that will allow me to fully utilize my training and skills while also making a significant contribution to the organization's growth.

## EMPLOYMENT HISTORY

- ❖ **Office Assistant- ASTIF, Amity University Rajasthan .....August 2022-Present**  
Manage, organize and maintain all documentation pertaining to the university's research and development studies in the field of Science, Technology, Engineering and Mathematics.
- ❖ **Ph.D. Scholar, Manipal University Jaipur.....August 2016 – July 2022**  
Stayed committed to my research idea and continued to learn as a academic research scholar.
- ❖ **Ph.D. Research Intern, University of Cambridge, UK.....July 2018 – December 2018**  
Worked as a passionate, dedicated intern in the department of Chemical Engineering and Biotechnology, University of Cambridge, UK.
- ❖ **ETP- Manager, JITPPL, Bagru RIICO.....August 2015 – July 2016**  
Draws extensive knowledge of wastewater treatment and chemical hazards, as well as the ability to troubleshoot and implement changes.

## EDUCATION

- ❖ **Manipal University Jaipur.....August 2016 – February 2023**  
Ph.D. Biosciences
- ❖ **Amity University Rajasthan.....August 2012 – July 2014**  
M.Sc. Biotechnology (8.64 CGPA)
- ❖ **University of Rajasthan.....August 2009 – July 2012**  
B.Sc. Biotechnology (75%)
- ❖ **MPS, Jawahar Nagar, Jaipur (CBSE).....April 2008 – March 2009**  
Senior Secondary Examination (68%)
- ❖ **MPS, Jawahar Nagar, Jaipur (CBSE).....April 2006 – March 2007**  
Secondary Examination (71.33%)

## **PUBLICATIONS**

1. "Effective salt removal from domestic reverse osmosis reject water in a microbial desalination cell" is published in the journal 3 Biotech.DOI - <https://doi.org/10.1007/s13205-022-03241-z>
2. "Ultrasonic Pre-treatment of *Bacillus velenzensis* for improved electrogenic response in a single chambered microbial fuel cell" is published in the journal 3 Biotech.DOI - 10.1007/s13205-021-03065.
3. "Augmenting the biodegradation of recalcitrant Ethinylestradiol using *Rhodopseudomonas palustris* in a hybrid Photo-assisted Microbial Fuel Cell with enhanced bio-hydrogen production" is published in Journal of Hazardous Materials DOI: <https://doi.org/10.1016/j.jhazmat.2020.124421>.
4. "Bio-electrochemical systems for environmental remediation of estrogens: A review and way forward" is published in the journal Science Of The Total Environment- Elsevier DOI:<https://doi.org/10.1016/j.scitotenv.2021.146544>.
5. "Enhanced Decolorization and Treatment of Textile Dye Wastewater Through Adsorption on Acid Modified Corncob Derived Biochar" is published in the journal Chemistry Select. DOI: [doi.org/10.1002/slct.20200315](https://doi.org/10.1002/slct.20200315)
6. "Improved decolorization of dye wastewater and enhanced power output in the electrically stacked microbial fuel cells with H<sub>2</sub>O<sub>2</sub> modified corncob anodes." Is published in journal Environmental Progress And Sustainable Energy- American Institute Of Chemical Engineers. DOI: 10.1002/ep.13638
7. "Assessing the Surface Water Quality of Ana Sagar Lake and its Bioremediation in Modified Constructed Wetland" is published in IOP Conference Series: Earth and Environmental Science. DOI: <https://doi.org/10.1088/1755-1315/796/1/012026>. Link:<https://iopscience.iop.org/article/10.1088/1755-1315/796/1/012026/meta>.
8. A book chapter titled "Treatment of Dairy Wastewaters: Evaluating Microbial Fuel Cell Tools and Mechanism" is published in Intech Open DOI: 10.5772/ intechopen.93911.
9. "Effect of Corncob Derived Biochar on Microbial Electro-remediation of Dye Wastewater and Bioenergy Generation" is published in Chemistry Select Energy Technology & Environmental Science DOI: [doi.org/10.1002/slct.202002652](https://doi.org/10.1002/slct.202002652)
10. "A review on Hydroxamic Acids: Widespectrum Chemotherapeutic Agents" is published in International Journal Of Biology And Biomedical Engineering, ISSN: 1998-4510 , DOI: 10.46300/91011.2020.14.12
11. "Bioelectrical systems for Removal of Endocrine Disrupting Compounds From Waste Water: A Review." is published in the Global Journal of Engineering Science and Researches ISSN No: 2348-8034.
12. "Performance analysis of the common effluent treatment plant of Jaipur Integrated Texcraft Park Pvt. Ltd. Bagru, Jaipur." Is published in ISST journal of applied chemistry ISSN No. 0976-7355.
13. "Treatment of Industrial Wastewater Containing Amides Using Novel Bacterium in Semi-continuous Reactor" is published in Springer International Publishing AG 2017 DOI:10.1007/978-3-319-58421-8\_57
14. "Antibiogram of methicillin-resistant staphylococcus aureus (MRSA) in healthcare settings" is published in Journal of Chemical and Pharmaceutical Research, 2015, 7(8):61-66. ISSN: 09757384 CODEN(USA):JCPRC5URI:[https://www.researchgate.net/publication/281446000\\_Antibiogram\\_of\\_methicillin\\_resistant\\_staphylococcus\\_aureus\\_MRSA\\_in\\_healthcare\\_settings](https://www.researchgate.net/publication/281446000_Antibiogram_of_methicillin_resistant_staphylococcus_aureus_MRSA_in_healthcare_settings).
15. "Computation and in-silico Validation of a Real-Time PCR Array for Quantitative Detection of Pathogens Isolated from Blood Sample in Sepsis patients" is published in The Indian Journal of Biotechnology. ISSN 09750967.URI:<http://nopr.niscair.res.in/handle/123456789/43317>

## **TRAINING AND WORK EXPERIENCE**

- June 28- July 4, 2020 participated in e-Faculty development programme cum workshop on “Waste to Bioenergy”, organised by Department of Life Sciences, Sharda University, UP.
- April 30, 2020 participated in an International Online Conference “COVID 19 Biotechnology: a way forward.” Organised by Department of Biosciences, Manipal University Jaipur.
- November 25, 2017 participated in a day-long workshop on “Document Typesetting and Processing using L<sub>A</sub>T<sub>E</sub>X held at Manipal University Jaipur.
- November 17-18, 2017 attended National Conference on Recent Trends and Advances in Environmental Issues, Awareness, and Health 2017 held at JECRC University Jaipur.
- November 12, 2016 attended National Symposium on “ Water Purification and Reject Management (WPRM-2016) organized by the Department of Chemical Engineering, Malviya National Institute of Technology Jaipur in association with WWSO, PHED Rajasthan, India.
- October 10-16, 2016 attended a National Workshop on Multidimensional Research Methods and their Applications Using Statistical Software held at Manipal University Jaipur.
- September 9-10, 2016 attended the National Conference on Applied Science and Humanities in Engineering (ASHE-2016) held at the Department of applied science and Humanities, Jaipur Engineering College and Research Center, Jaipur.
- January - June 2014 has undergone dissertation work on the topic “Partial purification of Manganese Peroxidase from white-rot fungi *Phanerochaete chrysosporium* NCIM- 1197” at Birla Institute of Scientific Research (BISR), Jaipur.
- June – July 2013 completed 45 days of summer training in biotechnology at Birla Institute of Scientific Research, Jaipur (BISR) on the topic “Protein isolation and purification and PCR based techniques”.
- September 21, 2011 attended a Hands-on course and workshop on Advance Medical Science organized by faculty of sciences and department of nursing Biyani Girls College, Jaipur.
- June 16 , 2011- August 30, 2011 has undergone dissertation work on the topic “Evaluation of the Incidences of Methicillin-resistant *Staphylococcus aureus* (MRSA) in Health care settings and their Molecular characterization” at Dr. B Lal Institute of Biotechnology, Jaipur.
- June 1-15, 2011 completed industrial biotech training program in the module of ”Clinical Biochemistry and Hematology” held at Dr. B Lal Institute of Biotechnology, Jaipur.
- June 1-30, 2010 completed Biotechnology Industrial Training Program in module Medical Microbiology at Dr. B Lal Institute of Biotechnology, Jaipur.
- November 27, 2009 attended a workshop on "Techniques in Biotechnology" organized by the Indian Science Congress Association (Jaipur Chapter) at Dr. B Lal Institute of Biotechnology, Jaipur

## **ACHIEVEMENTS AND PARTICIPATIONS**

- November 12, 2016 awarded Third Prize in Poster Presentation titled "Generation of Electricity from RO concentrate using Microbial Fuel Cell” at National Symposium on “ Water Purification and Reject Management (WPRM-2016) organized by Department of Chemical Engineering, Malviya National Institute of Technology Jaipur in association with WWSO, PHED Rajasthan, India.
- January 17, 2015 Awarded Silver Medal and ranked 2<sup>nd</sup> in the batch of 2014 in M.Sc. Biotechnology at 6<sup>th</sup> Convocation of Amity University Rajasthan.


- July 24-25, 2013 attended the training of two days on ORGANIC FARMING, by National Centre of Organic Farming, Government of India, Ministry of Agriculture, Department of Agriculture and Cooperation.
- March 10-15, 2013 participated in “The Amity Green Horns Military Training Camp” at the Amity education valley, Panchgaon, Manesar.
- November 23-25, 2012 presented a poster on the topic “Stem Cell Therapy - a Naïve Treatment for Neural Degenerative Disorders ” and participated in an International symposium on Pharmacotherapeutics and biomedical approaches in health and diseases named ”SOPICON 2012” organized at NIMS University Jaipur, India.
- November 25-26, 2011 attended lecture series on “Biotechnology: Potentials and Concerns” organized by Indian Science Congress Association(Jaipur Chapter) at Dr. B Lal Institute of Biotechnology, Jaipur
- November 12-13, 2011 presented a paper on the topic “Nanotechnology – A Nobel Tool for Cancer Treatment” and participated in the national conference organized by Swami Keshvanand Institute of Technology and the University of Rajasthan on “Emerging Trends of Research in Material Science - 2011”
- September 29-1 October, 2011 participated in Technorazz-2011, Poster presentation, Life sciences (UG) held at Jaipur National University, Jaipur.
- September 16, 2011 secured 2<sup>nd</sup> position in debate competition titled” Ozone layer protection vs. Economic development” held at Dr. B Lal Institute of Biotechnology, Jaipur.
- October 29, 2010 secured 1<sup>st</sup> position in an activity titled" Recent development in Biotechnology” held at Dr. B Lal Institute of Biotechnology, Jaipur.
- October 29, 2009 attended a lecture delivered by Dr. B.C. Das on “The First Successful Vaccine against Cancer” held at “INCYTE’09” the annual biotechnology fest of Amity Institute of Biotechnology. Noida, Uttar Pradesh.
- October 28, 2009 secured 2<sup>nd</sup> position in poster presentation held at “INCYTE’09” the annual biotechnology fest of Amity Institute of Biotechnology. Noida, Uttar Pradesh. September 21-22, 2009 participated in a poster presentation on the topic” Nanotechnology –Your New Mediciners” and attended the Indo-Japan International Symposium on “Nanotechnology and Health Care in the Developing World" organized by the Department of Biotechnology at Biyani Girls College, Jaipur, India.

#### **Personal Profile:**

Name	: Aman Dongre
Date of Birth	: 18 <sup>th</sup> August 1991
Gender	: Male
Father’s Name	: Mr. Vikram Raj Dongre
Marital status	: Married
Spouse Name	: Ms. Riya Angela Dongre
Languages Known	: English and Hindi
Religion	: Christian
Nationality	: Indian

Date : June 14, 2023

Place: Jaipur

  
(Dr. Aman Dongre)