

# CURRICULUM VITAE

## **Dr. Alka Kaushik**

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### **CAREER OBJECTIVES:**

Looking forward to innovative research & development work and contributing my efforts to the upcoming, highly rewarding, field of Biotechnology.

### **PERSONAL PARTICULARS:**

Name	Dr. Alka Kaushik
Father's Name	Mr. S. L. Kaushik
Husband's Name	Mr. Amit Chandrakar
Date of Birth	26-01-1988
Permanent Address	E/5, Pragati vihar, Mahaveer nagar, New Purena, Raipur, 492 006 (C. G.)
Address for Communication	E/5, Pragati vihar, Mahaveer nagar, New Purena, Raipur, 492 006 (C. G.)

### **ACADEMIC QUALIFICATIONS:**

- **Ph. D. Awarded on 24/02/2018**  
Under the guidance of- Prof. S. K. Jadhav  
In – School of studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, C.G.  
Topic- Screening and Characterization of Electrogenic Bacteria involved in Bioelectricity production through Microbial Fuel Cell from Wastewaters.
- **Competitive Exams Qualified-**
  - ✓ CG-SET 2019 State eligibility test
  - ✓ UGC- NET 2012 University Grant Commission
  - ✓ DBT-JRF 2012 DBT-JRF Program in Biotechnology and Applied Biology  
Qualified with 22<sup>nd</sup> Rank in Merit List “A”
  - ✓ GATE 2012

Exams	Board/College	University/School	Subject	Marks	Remarks
M. Sc.	Pt. Ravishankar Shukla University, Raipur (C.G.)	Pt. Ravishankar Shukla University, Raipur (C.G.)	Biotechnology	75.72%	POSITION IN MERIT LIST
B.Sc. ( I+II+III )	Government college Of science, Raipur (C. G.)	Pt. Ravishankar Shukla University, Raipur (C.G.)	Biotechnology	74.83%	GOLD MEDALIST
S.S.C.	C.B.S.E.	Jawahar Navodaya Vidyalaya(JNV) Mana, Raipur (C.G.)	Biology, Physics, Chemistry, English, Hindi	71.4%	
H.S.C.	C.B.S.E.	Jawahar Navodaya Vidyalaya (JNV) Mana, Raipur (C.G.)	All Subjects	73.8%	

### **PROJECT WORK:**

M.Sc. Project on “Study on Genetic Diversity of *Plasmodium falciparum* MSP-1 gene among pregnant women” from RMRCT (Regional medical research center for tribes) Jabalpur, Madhya Pradesh.

### **FIELDS OF INTEREST:**

Bio-energy, Bioprocess Technology and Cell & Molecular biology

### **COMPUTER QUALIFICATION:**

Diploma in Computer Application (DCA) and MS Office

### **AWARDS:**

- Young Scientist award for Best Research paper in the field of Biotechnology in 12<sup>th</sup> Chhattisgarh young scientist congress (CYSC-2014)
- Fifth position in merit list in M.Sc. Biotechnology- 2011
- Gold Medal in B.Sc. Biotechnology- 2009

## **RESEARCH EXPERIENCE:**

### **PAPERS PUBLISHED:**

- 1) **Alka Kaushik** and S. K. Jadhav (2017) Conversion of waste to electricity in a Microbial fuel cell using a newly identified bacteria- *Pseudomonas fluorescens*. *Int. J. Environ. Sci. Technol.* DOI 10.1007/s13762-017-1260-z (**SCI indexed with impact factor- 2.344**).
- 2) **Alka Kaushik** and S. K. Jadhav (2016) Optimization of electrode material for bioelectricity production through Microbial Fuel Cell. *Bharatiya Vaigyanik Evam Audyogik Anusandhan Patrika (BVAAP)* 24(2); 128-134 (CSIR journal).
- 3) **Alka Kaushik** and S. K. Jadhav (2016) Bioelectricity production using electrogenic bacteria through Microbial fuel cell. *Deccan Current Science* 15(1); 01-06 (Peer reviewed research journal).
- 4) Sethia K, **Kaushik A**, Jadhav SK, Quraishi A (2015) Effect of operational parameters on cow dung mediated microbial fuel cell. *World Journal of Engineering* 12(6); 541-550 (Scopus indexed journal).

### **PAPERS PRESENTED AND PUBLISHED IN PROCEEDING:**

- 1) **Kaushik Alka** and Jadhav S. K. Selection of electrode for Bioelectricity production. National Conference on “Traditional knowledge & Biotechnology” held at Pt. Ravishankar Shukla University, Raipur (C.G.) November 22-24, 2014, pp 119-124. (ISBN 978-81-7622-330-0)
- 2) **Alka Kaushik** and S. K. Jadhav. A comparative study of bioelectricity production from various substrates using Microbial Fuel Cell. Proceedings of National conference on “New Vistas in Plant Sciences and Biotechnology” held at New Arts, Commerce and Science College, Shevgaon, Dist- Ahmednagar- 414502 (M. S.) India. August 2-3, 2013. (ISBN 978-81-924820-4-0)

### **PAPERS PRESENTED:**

- 1) **Alka Kaushik** and S. K. Jadhav. Bioelectricity through electrogens using microbial fuel cells. National seminar on “Advances in Environmental Sciences & Technology” Sponsored by U.G.C., C.R.O., Bhopal, M.P. organized by Department of Botany, Govt. Digvijay Autonomous P.G. College, Rajnandgaon, Chhattisgarh on January 23-24, 2017.
- 2) **Alka Kaushik** and S. K. Jadhav. Bioelectricity production from Rice mill effluent through microbial fuel cell. National conference on “Recent advances in microbiology & biofuels” organized by Department of Microbiology and bio-informatics, Bilaspur University, Bilaspur (C. G.) on September 12-13, 2015.
- 3) **Alka Kaushik**. Wastewater as a renewable resource for bioelectricity generation through microbial fuel cell. Presented in 12<sup>th</sup> chhattisgarh young scientist congress (CYSC-2014), Organized by Pt. Ravishankar Shukla University, Raipur (C.G.) sponsored by Chhattisgarh council of Science & Technology on February 17-19, 2014, pp-31.
- 4) **Kaushik Alka** and Jadhav S. K. Bioelectricity production through Microbial Fuel Cell. Golden Jubilee International Seminar on “Integrated Natural Resources Mangement: Issues, Challenges and Perspectives” organized by School of Regional Studies and Research, Pt. Ravishankar Shukla University, Raipur (C.G.) in Association with Council for Tribal & Rural Development (CTRD), Bhubaneswar on January 27-31, 2014, pp-26.
- 5) **Alka Kaushik** and S. K. Jadhav. Bioelectricity production through microbial fuel cells using indigenous microbes. Abstract published in Peer reviewed Journal of Ravishankar University, Raipur, (C. G.). ISSN 0970-5910, Vol-29(1), pp-139 (Special Issue).

### **POSTER PRESENTED:**

- 1) **Alka Kaushik** and S. K. Jadhav. Bioelectricity production through microbial fuel cells using indigenous microbes at 3rd International congress society for ethnopharmacology (SFEC) organized by NCNR, PRSU & SFE, India on February 19-21, 2016.

### **SEMINARS PARTICIPATION:**

- 1) Participated in “Seventh Science Conclave & Inspire Internship Program-2014” organized at the Indian Institute of Information Technology, Allahabad during December 08-12, 2014.
- 2) Participated in an Interaction Program, organized by Academic Staff College, Pt. Ravishankar Shukla University, Raipur, C. G., held on March 23-25, 2013.
- 3) National seminar on “Changing environment and its impact in Biodiversity” at Department of Botany, Govt. Girl’s P.G. Autonomous College Raipur C. G., October 11-12, 2012.

### **WORKSHOPS PARTICIPATION:**

- 1) Workshop on “Opportunities and Entrepreneurship in Biotechnology” jointly organized by School of Studies in Biotechnology and Chhattisgarh Biotechnology Promotion Society, Government of Chhattisgarh, Raipur held at School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh on March 31st, 2017.
- 2) Workshop on “Intellectual property & Innovation management” at University Institute of pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh on January 22<sup>nd</sup> 2016.
- 3) Participated in ‘Author workshop jointly organized’ by springer and Pt. Ravishankar Shukla University, Raipur, (C. G.) on November 3<sup>rd</sup> 2015.
- 4) Workshop on “Molecular Biology (HiPer Teaching Kits)” organized by HiMedia Laboratories Pvt. Ltd., held on October 30-31, 2015.
- 5) National workshop on “Operation and Maintenance of Laboratory Equipments” jointly organized by School of Studies in Electronics & Photonics and Western Regional Instrumentation Centre, Mumbai held at School of Studies in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh on January 19-23, 2015.

- 6) Workshop on “Molecular Biology (HiPer Teaching Kits)” organized by HiMedia Laboratories Pvt. Ltd., held on October 13-14, 2014.
- 7) Workshop on “Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh” organized under the auspices of (NCNR) National Center for Natural Resources, held on September 10-11, 2012.
- 8) A Hands on Workshop on “DNA markers, Genomics and transgenics” conducted by Department of Biotechnology, Indira Gandhi Agricultural University, Raipur, C. G., held from 18<sup>th</sup> Sep to 3<sup>rd</sup> Oct 2008.

### **DECLARATION**

I hereby declare that, the above furnished information is true to best of my knowledge.

Place: Raipur  
Date: 02/12/2020

**Dr. Alka Kaushik**