

BIO-DATA CUM APPLICATION FORM

Dr. SHRIKANT KOL

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PREFERENCE :

- I am trying to look forward to pursue the challenging carrier in the field of Cell and Molecular Biology, Bacterial Transformation Genetics and Microbiological areas and Environmental Technologies.

WORKING EXPERIENCE:

- Worked as **Guest faculty** at “Centre For Biotechnology & Microbiology Studies, A.P.S.U ,Rewa (M.P.)” [Duration: **04/02/2020- Till Date..**]
- Worked as **Guest faculty** at “Government model Science college,Rewa (M.P.)” [Duration: **01/09/2019- 30/02/2020**]
- Worked as **Scientist-‘B’** (Project) entitled “A Multi-centric study to estimate the Sero- prevalance of Dengue Virus infection in India” **NIRTH, ICMR, Jabalpur (M.P)** [Duration: **21/09/2017- 20/01/2018**]
- Worked as **Project Fellow** , **MHRD** ,Bio-Design Innovation Centre, Dept. of Biological Sciences, Rani Durgavati University, Jabalpur (M.P.) [Duration: **01/01/2017- 31/08/2017**]

RESEARCH EXPERIENCE:

- **Ph.D.(Biotechnology)** “ A Comparative Study of Hydrocarbon Degradation Potential of isolated Gram positive and Gram Negative Bacterial Species from Their Natural Habitats ”at Center for Biotechnology & Microbiology Studies, **A.P.S. University**, Rewa (M.P.) 2019.
- **M. Phil.** Biotechnology: Dissertation on the topic- “Isolation of potent oil degrading microbes from the oil contaminated sources and its Biochemical characterization” during **Jan. to May. 2012** From “**A.P.S. University, Rewa (M.P.)**”.
- **M.Sc. Biotechnology:** Dissertation on the topic- " Isolation of potent oil degrading bacteria from oil contaminated sources and its expression of oil degrading genes in *E.coli* ” during **Feb-April 2011** From “ **MRD LIFE SCIENCES, Lucknow (U.P.)**.
- A training program on “**Applied techniques of Biotechnology**” sponsored by **M.P. Biotech. Council, Bhopal** and organized by “**State Forest Research Institute**” (**S.F.R.I.**), **Jabalpur (M.P.)**.
- National workshop sponsored by M.P. Council of Science and Technology, Bhopal (M.P.): **Science popularization & Malnutrition and human health at dept. of Botany & Biotechnology govt. New science college, Rewa (M.P.)** on April 07-13 ,2015.

PERSONAL PROFILE

Name : Shrikant Kol
Date of Birth : 15/12/1986
Fathers Name : Mr. Brijbhushan Kol
Mother's name : Mrs. Shyam Kali Kol
Nationality : Indian.
Languages known : English, Hindi
Marital Status : Married
E-mail address : shrikantkaul@gmail.com , skantk@hotmail.com

EDUCATIONAL QUALIFICATION:

- **Ph.D.** Awarded 2019
- **MPPSC SET-2018** Qualified
- **Master of Philosophy in Biotechnology:**
Year of passing: 2012, with Grade- A⁻ (78 %).
University: A.P.S. University, Rewa (M.P.).
Subject: Biotechnology.
- **Master of Science in Biotechnology:**
Year of passing: 2011 with First Div. 68 %.
University: A. P. S. University, Rewa (M.P.).
Subject: Biotechnology.
- **Bachelor of Science:**
Year of passing: 2009 with Sec. Div. 53%.
University: A.P.S. University, Rewa (M.P.).
Subject: Chemistry, Zoology, Botany, Foundation Courses.
- **Higher Secondary (10+2):**
Year of passing: 2005 with First Div. 63 %.
Board: M.P. Board.
Subject: Chemistry, Physics, Biology, English, Hindi.
- **Higher School (10th):**
Year of passing: 2003 with First Div.74%.
Board: M.P. Board.
Subject: English, Hindi, Mathematics, Science, Social Science, Sanskrit.

FIELD OF INTEREST:

Cell and Molecular Biology, Microbiological Analysis, Remediation Techniques, Microbial Genetics study.

TECHNIQUES HANDLED:

Isolation, cultivation, Purification and Characterization of Gram-positive and Gram-negative bacteria, maintenance of bacterial cultures and clones, Media preparation, Sterilization, Inoculation, experience to work in Laminar. DNA isolation.

PAPER PUBLICATION:

- ***Bioremedial Potential of Microbial Culture Isolated from the Contaminated Soil with Crude Oil*** published in *International Journal of Research in Biotechnology and Biochemistry* -2014.
- ***Identification of Microbes Related to Crude Oil Components Consumption and Optimization of their Growth Parameters***, published in *International Journal of Development Research*, November, 2014.
- ***Compliment Receptor Type - 1 (Cd35) Gene Polymorphism and Plasmodium Falciperum Malaria*** published in *International Journal of Medical Research & Health Sciences*, March, 2015.
- ***Association of genetic polymorphism of inflammatory genes (IL-1B and IL-4) with diabetes type-2*** published in *Enliven: journal of genetic, molecular and cellular biology*, February 2015.
- ***“Pathogenicity of Dental Caries; Isolation and Antimicrobial Efficacy by Herbal Plants”*** published in *International Journal of Current Microbiology and Applied Sciences*, August 2016.
- ***HPTLC analysis of Berberine from Tinospora Cordifolia Stem Extract*** published in *European Journal of Biomedical and Pharmaceutical sciences*, September 2016
- ***Evaluation of Inhibitory Effect of Azadirachta Indica by Optimized Concentration against Dental Pathogens; Isolated from Infected Tooth*** published in *International Journal of Advance Research, IJOAR .org*, March 2017.
- ***Investigation of Garbage Soil for Polyethylene Degrading Microorganisms and Study Their Growth*** published in *World Journal of Pharmacy and Pharmaceutical Sciences*, July 2017.
- ***Associational Study of FTO Gene Polymorphism with Obesity in Vindhyan Region*** published in *International Journal of Current Research*, September 2017.
- ***“Microbes Involved in the Aerobic Consumption of Hydrocarbons to Reduce the Oil Contamination”*** published in *International Journal of All Research Education & Scientific Methods*, December 2020.
- ***“Analytical Study on Poly Aromatic Hydrocarbon (PATH) Components for Indigenous Microbial Cultivation”*** published in *International journal of current research*, December 2022.

CONFERENCE PARTICIPATED:

- A **National conference** on Biodiversity and Biotechnology held on M.S. Golwalkar College, Rewa on 13-14th march 2012.
- A **National conference** on “Role of new techniques in conservation of environment” held on A.P.S. University, Rewa (M.P.) on 23-24 march 2012.
- Poster Presentation at an **International conference** on Molecular Medicine “MOLMED-2012” held at 19-22 Feb. 2012
- A **national seminar** on “role of genetically engineered Micro- organism in crop improvement” held at 12 April 2013.
- **Intercollegiate competitive** events on Biotechnology at Dept of Biotechnology, Govt. New Science College, Rewa (M.P.) on Feb 02, 2014. Sponsored by M.P. Council of Biotechnology, Bhopal(M.P.)
- A **national seminar** on “current challenges of biodiversity” organized by Uttaranchal (P.G.) College of Technology and Bio-Medical Sciences on Feb 28, 2014.
- **Intercollegiate competitive** events on Biotechnology at Center for Biotechnology Studies, A.P.S. University, Rewa (M.P.) on March 3-4, 2015. Sponsored by M.P. Council of Biotechnology, Bhopal(M.P.)
- Participated in **International conference** on “International Conference on Integrative Biology (ICIB-2017) held in Jabalpur (M.P.) on Dec 17.

MEMBERSHIP:

- The Indian Science Congress Association (Life Time)
- The Biotech Research Society India (Life Time)

REFERENCES:

Prof. R.M. Mishra.

(H.O.D)

Center for Biotechnology and Microbiology Studies,

Awadhesh Pratap Singh University, Rewa, Madhya Pradesh, India

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(Professor)

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