

## CURRICULUM VITAE

### **PANKAJ KUMAR SAGAR**

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### **Academic qualification**

<b>Exam/ Degree</b>	<b>Board/ University</b>	<b>Year of passing</b>
M.Sc. (Biotechnology)	Dr. B. R. Ambedkar University, Agra (U.P.)	2006
B.Sc. (Bio-group)	Dr. B. R. Ambedkar University, Agra (U.P.)	2003
Intermediate	U.P. Board, Allahabad, (U.P.)	2000
High school	U.P. Board, Allahabad, (U.P.)	1998

- Qualified Common Entrance Test (CET) for Ph.D. conducted by Avadh University, Faizabad (U.P.) in June 2012.
- Qualified ARS- NET -2010 conducted by ASRB, (ICAR) New Delhi.
- Qualified GATE 2007 conducted by I.I.T. Kanpur (U.P.).
- Qualified Entrance examination for M. Tech. (Medical Biotechnology) conducted by Hyderabad University in 2007.
- Qualified Entrance Examination for Ph.D. (Biochemistry) conducted by Hyderabad University in 2008.

### **Area of interest**

- Molecular biology
- Genetic engineering
- Biotechnology
- Study on medicinal plant as antimicrobial agent

### **Experience**

- Working as Assistant Professor, Department of Microbiology, Bundelkhand University, Jhansi (U.P.) since December 2011.
- Worked as Lecturer, School of Life Sciences, Jaipur National University, Jaipur (Rajasthan) from July 2011 to December 2011.
- Worked as Research Associate in the project “All India Network Programme on Bluetongue Disease (AINP- BTB)” in Animal Health Division, Central Sheep & Wool Research Institute (CSWRI), (ICAR) Avikanagar (Via Jaipur), Rajasthan from October 2008 to July 2011.

## Research guidance

<b>M.Sc. Dissertation</b>	
“Biochemical characterization and antibiotic sensitivity of <i>Pseudomonas</i> Sp. isolated from clinical samples of M.L.B medical college Jhansi” January- June 2013.	Department of Microbiology, Bundelkhand University, Jhansi (U.P.)
“Antibiotic sensitivity and biochemical characterization of <i>Pseudomonas</i> Sp. isolated from soil and water samples from M.L.B medical college Jhansi”, January- June 2013.	Department of Microbiology, Bundelkhand University, Jhansi (U.P.)
“Antibacterial activity of <i>Eucalyptus umbellate</i> and <i>Ocimum sanctum</i> ” January- June 2016	Institute of Biomedical Sciences, Bundelkhand University, Jhansi (U.P.)
“Evaluation of antibacterial activity of <i>Eucalyptus umbellata</i> leaf extract against <i>E. coli</i> and <i>S. aureus</i> ” January – June 2016	Institute of Biomedical Sciences, Bundelkhand University, Jhansi (U.P.)

## Visiting faculty in other University

- Rani Lakshmi Bai Central Agricultural University (RLB CAU), Jhansi (U.P.) during April - June, 2015.

## Conference organized

- Co-Joint Secretary in National Conference on “RECENT TRENDS IN APPLIED MICROBIOLOGY, HUMAN HEALTH & ENVIRONMENT” 27-28, March 2015 at Bundelkhand University, Jhansi (U.P).

## Publication

### **Full length paper**

- G. G. Sonawane, P. K. Sagar, B. N. Tripathi, R. Kumar, F. Singh, J. Kumar (2012) Detection of *Mycobacterium avium* subspecies *paratuberculosis* by 251 gene locus polymerase chain reaction in the tissue of naturally infected sheep . *Indian Journal of Small Ruminants*, 18 (1): 90-94.

### **Abstracts**

- Tripathi B.N., Sonawane G. G., Sagar P.K., Kumar J., Singh F. (2012). Seroprevalence of Paratuberculosis at an organized farm in semi arid region of Rajasthan, India. 11<sup>th</sup> International Colloquium on Paratuberculosis, 5-10 February 2012, Sydney, Australia.
- Dixit, S.K., Tripathi, B.N., Sonawane, G. G., Singh, F., Kumar, J. and Sagar, P. K. (2011). Clinical management of pneumonia in sheep. National Seminar on Prospects and Retrospect of Small Ruminant and Rabbit Production: Contribution to Socio-economic Security, Jaipur, 7<sup>th</sup> -9<sup>th</sup> December 2011
- Rishi Kumar Saxena, Pankaj Kumar Sagar, Devendra Mani Tripathi and Anuradha Rajput (2012). Spirulina Biotechnology- Exploitation of Algal Resources. National Semnar on Application of Biotechnology to Improve Industrially Important Microbial Strain. March 28-29, 2012 Deptt. of Zoology and Biotechnology, Govt. P.G. College, Guna (M.P.), India

- Devendra Mani Tripathi, **Pankaj Kumar Sagar**, Rishi Kumar Saxena (2012). Distillery Spent Wash Colour & COD removal by an Indigenous Isolate. National Sminar on Application of Biotechnology to Improve Industrially Important Microbial Strain. March 28-29, 2012 Deptt. of Zoology and Biotechnology, Govt. P.G. College, Guna (M.P.), India
- **Pankaj Kumar Sagar**, Rishi Kumar Saxena and Sanjay Kumar (2015). Antibacterial activity of plant extract against antibiotic resistant pathogens. National Conference on RECENT TRENDS IN APPLIED MICROBIOLOGY, HUMAN HEALTH & ENVIRONMENT” 27-28, March 2015 at Bundelkhand University, Jhansi (U.P).

#### **Workshop/ Research training attended**

- Attended a “National Workshop on Genomics and Proteomics in Biomedical Research” organized by the Innovation centre and the Institute of Biomedical Sciences, Bundelkhand University, Jhansi dated March 17-20, 2016.
- Participated in “Faculty Development Programme, (FDP)” organized by Internal Quality Assurance Cell (IQAC) at Bundelkhand University, Jhansi (U.P.) from 1<sup>st</sup> to 7<sup>th</sup> September, 2014
- A summer training at National JALMA Institute for Leprosy and other Mycobacterial Diseases, Agra (Indian Council of Medical Research) from 1<sup>st</sup> June 2005 to 15<sup>th</sup> June 2005.
- A short term training program on *Production of Oral Polio Vaccine* at Bharat Immunologicals & Biologicals Corporation Limited (BIBCOL), Bulandshahar from 1<sup>st</sup> July to 31<sup>st</sup> July 2005.

#### **Participation in conference/ seminar**

- Participated in the “24th Biennial Conference of the Indian Association of the Leprologist” 12th-14th November, 2005 at National JALMA Institute for Leprosy and other Mycobacterial Diseases, (Indian Council of Medical Research) Agra, India.
- Participated in the “National Symposium on Biotechnology in 21<sup>st</sup> Century” 23 - 24 December 2005 at Mahatma Gandhi Institute of Applied Sciences, Jaipur, India.
- Participated in the National Seminar on "Stress Management in Small Ruminant Production and Product Processing “29<sup>th</sup> -31<sup>st</sup> January 2010 at Jaipur organized in the collaboration of CSWRI, Avikanagar (Rajasthan) and CIRG, Makhdoom (U.P.), India.
- Participated in the National Seminar on "Application of Biotechnology to Improve Industrially Important Microbial Strain” March 28-29, 2012 at Deptt. of Zoology and Biotechnology, Govt. P.G. College, Guna (M.P.), India.
- Participated in the National Seminar on “Current Challenges of Biodiversity” organized by Uttaranchal (P.G.) College of Technology & Bio-Medical Sciences, Dehradun U.K. dated 28<sup>th</sup> February 2014.

#### **Member (In Board/ committee):**

- Member of Board of Studies (BOS), J.C Bose Institute of Life Sciences, Department of Microbiology, Bundelkhand University Jhansi (U.P.) .

**Membership (In society/ association)**

- Indian Society for Sheep and Goat Production and Utilization (Life Membership)
- The Indian Science Congress Association (Life Membership)

**Technical experience**

Nucleic acid Purification (DNA/RNA), Polymerase chain reaction, RAPD, RFLP, MIRU-VNTR, Gel electrophoresis, Southern, Western and Northern hybridization, Drug Susceptibility Testing, Indirect, Competitive & Sandwich ELISA, agar gel immunodiffusion test (AGID), Virus culture, Bacterial culture.