

RESUME

DR. OM PRAKASH (Ph. D. Microbiology)

Scientist-“D”

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EDUCATIONAL QUALIFICATION:

Ph. D. (2007): Microbiology (University of Delhi, Delhi, India)

M. Sc. (2000): Microbiology (Dr. R.M.L. University, Faizabad, India)

PROFESSIONAL EXPERIENCE:

- ❖ March-2018 to Present: **Scientist-“D”** National Centre for Microbial Resource (NCMR) National Centre for Cell Sciences, Pune 411007, Maharashtra, India.
- ❖ March-2017 to March-2018: **Research Faculty**, Translational Science Laboratory (TSL) School of Biomedical Science, College of Medicine, Florida State University, USA.
- ❖ Aug. 2011 to March-2017: **Scientist-“C”** Microbial Culture Collection (MCC), National Centre for Cell Sciences, Pune 411007, Maharashtra, India.
- ❖ Sep.-2011 to Nov. 2011: **Research Associate**, Schools of Biology, Georgia Institute of Technology, Atlanta, Georgia 30332-0230, USA.
- ❖ Oct.-2007 to August-2011: **Postdoctoral Research Fellow**, Department of “Earth Ocean and Atmospheric Science”, Florida State University, Tallahassee, FL, USA.
- ❖ Jan.-2007 to Oct.-2007: **Research Associate**, Molecular Biology Laboratory Department of Zoology, University of Delhi.

FELLOWSHIPS:

- ❖ Selected for ICMR, Human Resource Development (HRD) Long term Fellowship (2016), to conduct research in the area of human- gut microbiology in collaboration with School of Biomedical Sciences, Florida State University, USA

- ❖ Selected as Senior Visiting Fellow of Indian National Science Academy (INSA) in Environmental Microbiology to work with Institute for Soil, Water and Environmental Sciences, ARO, Volcani Agriculture Research Center Israel in wastewater treatment for the year 2016.
- ❖ Qualified for “Visiting Fellow” positions in Canadian Government’s Laboratories under NSERC Scheme.
- ❖ May-2006 to July-2006: **Visiting Fellow**, Environmental Biotechnology Department, Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, Switzerland.
- ❖ Senior Research Fellow, Council of Scientific and Industrial Research (CSIR, Govt. of India) Department of Zoology, University of Delhi.
- ❖ Junior Research Fellow, Council of Scientific and Industrial Research (CSIR, Govt. of India), Department of Zoology, University of Delhi.
- ❖ Qualified national level “Graduate Aptitude Test in Engineering (GATE)” with 90 percentiles.

AWARDS:

- ❖ Received one of the best mentor awards for supervising the two undergraduate students from Florida Agricultural and Mechanical University, Tallahassee, FL, USA.
- ❖ Paper published in Microbes and Infection (2021) on human –gut AMR is selected for Best Research Awards on Infectious Disease
- ❖ Received 2nd Best Poster award on Human Gut Proteomics work presented in Florida Agricultural and Mechanical University, USA (2017)
- ❖ Received “Young Achiever Award” for significant contribution in agricultural microbiology in 2014 from Institute of Agricultural Science, Banaras Hindu University, Varanasi
- ❖ Received 2nd and 3rd Prize in Hindi Nibandh Lekhan” from NCCS-Pune during Hindi Pakhwara.
- ❖ Quiz Prize Winner in workshop “Tools and Techniques of Plant Biodiversity Study" at Central Institute of Medicinal and Aromatic Plant, Department of Biotechnology (CIMAP), Lucknow, U.P., India. (January 1999)
- ❖ Quiz Prize Winner on topic "University Talks AIDS" conducted by National Service Scheme (NSS) of University Grant Commission (UGC) in Dr. R.M.L. Avadh University, Faizabad, U.P., India. (August 1998).

FUNDED PROJECTS:

- ❖ Study of Simultaneous Denitrification and Methane Metabolism by Denitrifying Methanotrophs (DST-SERB Multiinstitutional in Collaboration of NEERI Nagpur, Project Co-ordinator) **EMR/2016/006589 Total cost 48 Lakhs**
- ❖ Study of biomethanation potential of landfill methanogens and their prospective role in global climate change, carbon sequestration and generation of bioenergy- **BT/PR13969/BCE/8/1142/2015” (PI) Cost 27.2 lakh**
- ❖ Development of efficient and low cost biotechnology for color removal of distillery spent wash at the source point **[BT/PR20390/BCE/8/1400/2016] 40.0 lakhs (Co-PI).**
- ❖ Global monitoring of Antimicrobial Resistance in wastewater treatment plant Co-Ordinated by ARO –Israel and participated by 23-Countries across globe (Volunteere)

ACADEMIC CONTRIBUTIONS:

- ❖ Elected Chairman of Subcommittee on Methanogenic Archaea of International Committee on Systematics of Prokaryotes (ICSP). Total 11- Scientists from China, Germany, Russia, Korea, USA, France and Japan are members of this committee
- ❖ Ex-Member: User charge Committee of National Centre for Cell Science (NCCS), Pune
- ❖ Member: Editorial Board of *Journal of Environmental Biology*
- ❖ Selected Member: Editorial Board of *Indian Journal of Microbiology*
- ❖ Selected Member: Editorial Board of *Microsphere* (Indian Network for Soil Contamination Research)
- ❖ Guest Editor: Front. Microbiol., Research Topic: Multi-omics profiling of unique niches to reveal the microbial and metabolite composition
- ❖ Designed and teaching “Microbial ecology and taxonomy” classes of graduate and undergraduate students at National Centre for Cell Science, Pune, India.
- ❖ Providing maintenance and characterization services for anaerobic *Bacteria* and *Archaea* at National Centre for Microbial Resource (NCMR), National Centre for Cell Science (NCCS), Pune.
- ❖ Invited members of PhD Pre-Defense committee of AMITY Noida and Symbiosis School of Biological Sciences, Symbiosis International (Deemed University) Pune

AFFILIATIONS / MEMBERSHIP:

- ❖ Life member of Association of Microbiologist of India
- ❖ Member: International Committee on Systematics of Prokaryotes (ICSP)

- ❖ Life member of Bergey's International Society for Microbial Systematics (BISMiS)
- ❖ Members of Executive board of Indian Network for Soil Contamination Research (INSCR) New Delhi
- ❖ Members of executive board of United Science Foundation (USF).

STUDENTS MENTORED:

- ❖ Mentored 41 graduate and postgraduate students for the dissertation work at National Centre for Cell Science, **PUNE**, India.

LIST OF PUBLICATIONS:

Year-2022

1. Sagar I, Nimonkar Y, Dhotre D, Shouche Y, Ranade D, Dewala S, **Prakash, O*** (2022). A microcosm model for the study of microbial community shift and carbon emission from different landfills of India. *Ind J Microbiol.* 62: 195 – 203. <https://doi.org/10.1007/s12088-021-00995-7>.
2. **Prakash O.**, Dodsworth JA, Dong X , Ferry JG , L'Haridon S, Imachi H , Kamagata Y , S Rhee SK, Sagar I , Shcherbakova V , Wagner D, Whitman WB (2021). Proposed Minimal Standards for Description of Methanogenic Archaea. **Int J Syst Evol Microbiol. (Accepted)**
3. **Prakash O. (2022).** Lack of kinship with anaerobes is a kind of short-sightedness of agricultural and environmental microbiologists. *Environ. Microbiol. Rep.* 14: 330-332. <https://doi.org/10.1111/1758-2229.13058>
4. Yadav KK, Nimonkar Y., PoddarBJ, Kovalı L., Sagar I¹, Shouche Y, Purohit HJ, KhardenavisAA, Green SJ, Prakash O (2022). Two-Dimensional Cell Separation: A High Throughput Approach to Enhance the Culturability of Bacterial Cells from Environmental Samples. *Microbiol. Spect.* e00007-22. <https://doi.org/10.1128/spectrum.00007-22> **ISSN:** 2165-0497
5. Dhingra et al. (2022). Microbial Journey: Mount Everest to Mars. *Ind J. Microbiol.* (accepted)
6. Nimonkar YS, Kajale S, Dake M, Ranade DR, Yadav KK, Kumar R, Prakash O (2022). Detection of Archaeal prevalence in Landfill-Leachate Microbial community. *Anaerobe* (accepted)

Year-2021

1. Kovale L, Nimonkar Y, Green SJ, Shouche YS, **Prakash O**. Antibiotic susceptibility of human gut-derived facultative anaerobic bacteria is different under aerobic versus anaerobic test conditions. *Microbes Infect.* 2021 Jun 8;104847. doi: 10.1016/j.micinf.2021.104847. Epub ahead of print. PMID: 34116163. ISSN: 1286-4579
2. Singhvi, N., Singh, P., **Prakash, O.**, Gupta, V., Lal, S., Bechthold, A., & Lal, R. (2021). Differential mass spectrometry-based proteome analyses unveil major regulatory hubs in rifamycin B production in *Amycolatopsis mediterranei*. *Journal of Proteomics*, 239: 104168. SSN: 1874-3919
3. **Prakash O.**, Green S J, Singh P, Jasrotia P., Kostk JE (2021). Stress-related ecophysiology of the members of genus *Rhodanobacter* isolated from a mixed waste contaminated subsurface. *Front. Environ. Sci. Tech. Engin.* 15: 1-9. ISSN 20952201, 2095221X
4. ***Prakash O.**, Parmar M, Vaijanapurkar M, Rale V, Shouche YS. Recent trend, biases, and limitations of cultivation based diversity studies of microbes. *FEMS Microbiol Lett.* 2021 368(17):fnab118. doi: 10.1093/femsle/fnab118. PMID: 34459476.
5. Dhingra GG, Saxena A, Nigam A, Hira P, Singhvi N, Kalia VC, Lal R. Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences: An Annual Conference Organized by Association of Microbiologists of India and Indian Network for Soil Contamination Research. *Indian J Microbiol.* 2021 Mar 29;61(2):1-5. doi: 10.1007/s12088-021-00931-9. Epub ahead of print. PMID: 33814643; PMCID: PMC8006636. ISSN: 0255-0857 (IF 1.8 API-8)
6. Anand S, Lal S, Sood U, Gupta V, Dhingra GG, Solanki R, Kaur J, Kumar R, Saxena A, Dua A, Tripathi C. The Alphabet of the Elementary Microbiology: Revisited. *Indian journal of microbiology.* 2021 Dec;61(4):397-400.

Year-2020

1. **Prakash O**, Nimonkar Y, Desai D. (2020) A Recent Overview of Microbes and Microbiome Preservation. *Ind J Microbiol.* 60:297-309. doi: 10.1007/s12088-020-00880-9.
2. Singhvi, N., Gupta, V., Singh, P. **Prakash O**, Bechthold A, Singh Y. Lal R (2020) Prediction of Transcription Factors and Their Involvement in Regulating Rifamycin Production in *Amycolatopsis mediterranei* S699. *Indian J Microbiol* 60, 310–317 (2020). <https://doi.org/10.1007/s12088-020-00868-51>

3. **Prakash O**, Sharma A, Shouche YS (2020) Importance of Vision, Visibility and Vitality of Microbial Resource Centres. *Curr. Sci. Current Science* 119(4):625-631 DOI:10.18520/cs/v119/i4/625-631
4. Marano RBM, Fernandes T, A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. *Environ Int.* 2020.144:106035. doi: 10.1016/j.envint.2020.106035. Epub 2020 Aug 21. PMID: 32835921. 0160-4120 (print); 1873-6750 (web)

5. Year-2019

1. Jani K, Feng GD, Zhu HH, **Prakash O**, Bandal J, Rale V, Shouche Y, Sharma A (2019) *Chakrabartia godavariana* gen. nov., sp. nov., a novel member of the family Sphingomonadaceae isolated from the Godavari River, India. *Int J Syst Evol Microbiol.* 69(8): 2452-2458. doi: 10.1099/ijsem.0.003512.
2. Keswani C, Prakash O, Bharti N, Vilcheze JI, Sansinenea E, Lally RD, Borrissh R, Singh SP, Gupta VK, Fraceto LF, Limak R., Singh HB (2019). Re-addressing the biosafety issues of plant growth promoting rhizobacteria. *Sci Total Environ.* 690:841-852 ISSN: 0048-9697
3. Nimonkar, Y.S., Yadav, B., Talreja, P. **Prakash O** (2019). Assessment of the Role of Wastewater Treatment Plant in Spread of Antibiotic Resistance and Bacterial Pathogens *Ind J Microbiol.* 59: 261–265 <https://doi.org/10.1007/s12088-019-00793-2e>

Year-2018

1. Ghattargi VC, Nimonkar YS, Burse SA, Davray D, Kumbhare SV, Shetty SA, Gaikwad MA, Suryavanshi MV, Doijad SP, Utage B, **Sharma OP**, Shouche YS, Meti BS, Pawar SP.(2018). Genomic and physiological analyses of an indigenous strain, *Enterococcus faecium* 17OM39. *Funct Integr Genomics.* 18(4):385-399 doi: 10.1007/s10142-018-0596-x.
2. Ghattargi, V. C., Gaikwad, M. A., Meti, B. S., Nimonkar, Y. S., Dixit, K., Prakash, O & Dhotre, D. P. (2018). Comparative genome analysis reveals key genetic factors associated with probiotic property in *Enterococcus faecium* strains. *BMC Genomics*, 19(1), 652.
3. Agarwal M, Pathak A, Rathore RS, **Prakash O**, Singh R, Jaswal R, Seaman J and Chauhan A (2018) Proteogenomic Analysis on Burkholderia Species Strains 25 and 46 Isolated from Uraniferous Soils Reveals Multiple Mechanisms to Cope with Uranium Stress. *Cells* 7(12): 269

Year-2017

1. Dhotre DP; RajabalV, SharmaA, Kulkarni G, **Prakash O**, Vemuluri VR, Joseph N, Rahi P., Shouche YS(2017) Reclassification of *Phycicola gilvus* Lee et al. 2008 and *Leifosnia pindariensis* Reddy et al. 2008 as *Microterricola gilvus* comb. nov. and *Microterricola pindariensis* comb. nov. and emended description of the genus *Microterricola*. *Int J Syst Evol Microbiol* 67:2766-2772
2. **Prakash O**, Nimonkar Y, Chavadar MS, Bharti N., Pawar S, Sharma A., Shouche YS (2017). Optimization of nutrients and culture conditions for alkaline protease production using two endophytic Micrococci: *Micrococcus aloverae* and *Micrococcus yunnanensis*. *Ind J Microbiol* 57(2), 218-225 (DOI 10.1007/s12088-017-0638-4).
3. **Prakash O**, Muduli S, Kumar R. Kumari C, Nimonkar Y, Shouche YS, Rakesh Sharma R. (2017). Description of *Auricoccus indicus* gen. nov., sp. nov., isolated from skin of human ear. *Int J Syst Evol Microbiol*. 67(5), 1212-1218.

Year-2016

1. Rahi P, **Prakash O** and Shouche YS (2016). Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass-Spectrometry (MALDI-TOF MS) Based Microbial Identifications: Challenges and Scopes for Microbial Ecologists. *Front. Microbiol*. 7:1359. doi: 10.3389/fmicb.2016.01359 (*IF 4.1, 18*).
2. Sharma R., **Prakash O**, Sonawane MS, Nimonkar Y, Golellu P., Sharma R. (2016). Diversity and distribution of phenol oxidase producing fungi from Soda Lake and description of *Curvularia lonarensis* sp.nov. *Front. Microbiol*. 7: 1847. doi.org/10.3389/fmicb.2016.01847. (*IF 4.1, 18 Corresponding Author*).
3. Hemme, C., Green, S., Rishishwar, L., **Prakash, O.**, Pettenato, A., Chakraborty, R., Deutchbauer, A., Van Nostrand, J., Wu, L., He, Z., Jordan, IK, Hazen, T., Adam Arkin, A., Kostka, J. and Zhou, J. (2016). Lateral Gene Transfer in a Heavy Metal-Contaminated Groundwater Microbial Community. 7(2):e02234-15. doi:10.1128/mBio.02234-15. (*IF 6.8, 16*)

Year-2015

1. **Prakash, O.**, Sharma, A., Nimonkar, Y., Shouche Y. S. (2015): Proposal for creation of a new genus *Neomicrococcus* gen. nov. for *Zhihengliuella aestuarii* and *Micrococcus lactis* (Chittipurna et al., 2011). *Int J Syst Evol Microbiol* 65(11), 3771-3776 doi: 10.1099/ijsem.0.000490. ISSN 1466-5026 (*IF 2.8, 18 Corresponding Author*).
2. **Prakash, O.**, Nimonkar, Y., Vaishampayan, A., Mishra, M., Kumbhare, S., Josef, N., Yogesh Shouche, YS, (2015). Description of *Pantoea intestinalis* sp. nov. : isolated from

Human gut." *Int. J. Syst. Evol Microbiol* 65(10), 3352-3358.doi: 10.1099/ijsem.0.000419. ISSN 1466-5026 (IF 2.8, 18).

3. **Prakash, O.**, Nimonkar, Y., Shaligram, S., Joseph, N., & Shouche, Y. S. (2015). Response of cellular fatty acids to environmental stresses in endophytic *Micrococcus* spp. *Annals of Microbiology*, 1-10. ISSN: 1590-4261 (IF 1.02, 15 *Corresponding Author*)
4. Prakash, O. and Jangid K. (2015). Preservation of uncultivated microbial cells for single cell genomics and cultivation in future. *Single Cell Biology* S1:003. doi:10.4172/2168-9431.S1-003 (15AP *Corresponding Author*).

Year-2014

1. Sharma A, Dhar S, **Prakash O**, Vemuluri VR, Thite V, Shouche YS. (2014). Description of *Domibacillus indicus* sp. nov., isolated from ocean sediments of Lakshadweep and emended description of the genus *Domibacillus*. *Int J Syst Evol Microbiol*. 64:3010-3015doi: 10.1099/ijms.0.064295-0. ISSN 1466-5026 (IF 2.8, 12).
2. **Prakash O**, Munot H, Nimonkar Y, Sharma M, Kumbhare S, Shouche YS (2014) Description of *Pelistega indica* isolated from Human gut. *Int J Syst Evol Microbiol* 64: 1389-1394 doi: 10.1099/ijms.0.059782-0. ISSN 1466-5026 (IF 2.8, 18).
3. Jasrotia P, Green SJ, Canion A, Overholt W, **Prakash O**, Wafula D, Hubbard D, Watson D, Schadt C, Brooks S and Kostka JE (2014). Watershed scale fungal community characterization along a pH gradient in a subsurface environment co-contaminated with uranium and nitrate. *Appl. Environ. Microbiol*. 80:1810-1820 doi: 10.1128/AEM.03423-13 (IF 3.8, 12).
4. **Prakash O**, Pandey PK, Kulkarni GJ, Mahale KN, and Shouche YS (2014). Technicalities and glitches of terminal restriction fragment length polymorphism (T-RFLP). *Indian J Microbiol* 54: 255-261(IF 0.98, 12 *Corresponding Author*).

Year-2013

1. **Prakash O**, Shouche YS and Jangid K (2013). Microbial cultivation and the role of microbial resource centers in the omics era. *Appl. Microbiol. Biotechnol*. 53: 247-252 doi: 10.1007/s00253-012-4533-y (IF 3.6 *Corresponding Author, 18*).
2. **Prakash O**, Nimonkar Y and Shouche YS (2013). Practice and prospects of microbial preservation. *FEMS Microbiol Lett* 339: 1-9 (doi:10.1111/1574-6968.12034) (IF 2.2 *Corresponding Author, 18*).
3. **Prakash O**, Jangid K, Shouche YS (2013). Carl Woese: From biophysics to evolutionary microbiology. *Ind J Microbiol*, 53(3), 247-252. doi: 10.1007/s12088-013-0401-4. ISSN: 09737715, 00468991 (IF 0.98, 12)

4. Canion A., **Prakash O.**, Green S., Jahnke L, Kuypers M, Kostka J. (2013) Isolation and physiological characterization of psychrophilic denitrifying bacteria from permanently cold Arctic fjord sediments (Svalbard, Norway). *Environ Microbiol.* 15:1606-1618. doi:10.1111/1462-2920.12110 (IF 6.2 Equal authorship, 24)
5. Overholt WA, Green SJ, Marks KP, Venkatraman R, **Prakash O**, and Kostka JE (2013). Draft Genome Sequences for Oil-Degrading Bacterial Strains from Beach Sands Impacted by the Deepwater Horizon Oil Spill. *Genom Announcement* 1: e01015-13. doi: 10.1128/genomeA.01015-13 (ISSN2169-8287, 8).
6. Venkatramanan R, **Prakash O**, Woyke T, Chain PSG, Goodwin LA, Watson DB, Brooks SC, Kostka JE and Green SJ (2013) Genome sequences for three denitrifying bacterial strains isolated from a uranium- and nitrate-contaminated subsurface environment. *Genome Announcement*. e00449-13. doi: 10.1128/genomeA.00449-13. (ISSN2169-8287,8)
7. **Prakash O** and Lal R (2013). Role of unstable phenanthrene degrading *Pseudomonas* species in the natural attenuation of phenanthrene contaminated sites. *Korean J Microbiol Biotechnol* 41:79-87. ISSN: 1598642X (Corresponding author, 12).

Year-2012

1. Kostka J, Green S, Rishishwar L, **Prakash O**, Katz L, Marino-Ramirez L, Jordan K, Munk C, Ivanova N, Mikhailova N, Watson D, Brown S, Palumbo A and Brooks S (2012). Genome sequences for six *Rhodanobacter* strains isolated from soils and the terrestrial subsurface with variable denitrification capabilities. *J. Bact.* 194: 4461. ISSN 1098-5530 (IF2.8, 16).
2. Lin X, Green S, Tfaily M, **Prakash O**, Konstantinidis K, Corbett J, Chanton J and Cooper W and Kostka J (2012). Microbial community structure and activity linked to contrasting biogeochemical gradients in bog and fen environments of the Glacial Lake Agassiz Peatland. *Appl. Environ. Microbiol.* 78: 7023-7031 (IF 3.7, 16).
3. **Prakash O**, Green SJ, Jasrotia P, Overholt WA, Canion A, Watson DB, Jardine PM, Brooks SC and Kostka JE (2012). *Rhodanobacter denitrificans* sp. nov., isolated from nitrate-rich zones of a contaminated aquifer. *Int J Syst Evol Microbiol* 62: 2457–2462. ISSN 1466-5026 (IF 2.8, 18).
4. Green SJ, **Prakash O**, Jasrotia P, Overholt WA, Cardenas E, Hubbard D, Tiedje JM, Watson DB, Jardine PM, Brooks SC and Kostka JE (2012). Denitrifying bacteria from the genus *Rhodanobacter* dominate bacterial communities in the highly contaminated subsurface of a nuclear legacy waste site *Appl. Environ. Microbiol.* 78: 1039-1047 (IF. 3.7, 18).

Year-2011

1. Kostka JE, **Prakash O**, Overholt W, Green S, Freyer G, Canion A, Delgardo J, Norton N and Huettel M (2011). Hydrocarbon-degrading bacteria and the bacterial community response in Gulf of Mexico beach sands impacted by the Deepwater Horizon oil spill. *Appl. Environ. Microbiol.* 77, 7962-7974 (**IF 3.7, 16**).

Year-2010

1. **Prakash O**, Gihring TM, Dalton DD, Chin KJ, Green SJ, Akob DM, Wanger G and Kostka JE (2010). *Geobacter daltonii* sp. nov., an Fe(III)- and uranium(VI)-reducing bacterium isolated from the shallow subsurface exposed to mixed heavy metal and hydrocarbon contamination. *Int J Syst Evol Microbiol* 60, 546-553. ISSN 1466-5026 (**IF 2.8, 18**).
2. Green SJ, **Prakash O**, Akob DM, Gihring TM, Jardin P, Watson DB and Kostka JE (2010). Denitrifying bacteria isolated from terrestrial subsurface sediment exposed to mixed contamination. *Appl Environ Microbiol* 76, 3244-3254. (Equal authorship **IF 3.7, 16**).

Year-2009

1. Dadhwal M, Singh A, **Prakash O**, Gupta SK, Kumari K, Sharma P, Jit S, Verma M, Holliger C and Lal R (2009). Proposal of biostimulation for hexachlorocyclohexane (HCH)-decontamination and characterization of culturable bacterial community from high-dose point HCH-contaminated soils. *J Appl Microbiol* 106, 381-92. ISSN: 1365-2672 (**IF 2.5, 16**).

Year-2008

1. Gupta SK, Kumari R, **Prakash O** and Lal R (2008). *Pseudomonas panipatensis* sp. nov., isolated from an oil-contaminated site. *Int J Syst Evol Microbiol* 58, 1339-1345. ISSN 1466-5026 (**IF 2.8, 16**).
2. Jit S, **Prakash O** and Lal R (2008). *Flavobacterium lindanitolerans* sp. nov., isolated from hexachlorocyclohexane-contaminated soil, *Int J Syst Evol Microbiol* 58, 1665-1669. ISSN 1466-5026 (**IF 2.8, 16**).
3. Raina V, Suar M, Singh A, **Prakash O**, Dadhwal M, Gupta SK and Lal R (2008). Enhanced biodegradation of hexachlorocyclohexane (HCH) in contaminated soil via inoculation of *Sphingobium indicum* B90A. *Biodegradation* 19, 27-40. ISSN: 0923-9820 (**IF 2.3, 16**).

Year-2007

1. **Prakash O**, Kumari K and Lal R (2007). *Pseudomonas delhiensis* sp. nov., from a fly ash dumping site of a thermal power plant. *Int J Syst Evol Microbiol* 57, 527-531. ISSN 1466-5026 (**IF 2.8, 18**).

2. **Prakash O**, Verma M, Sharma P, Kumar M, Kumari K, Singh A, Kumari H and Lal R (2007). Polyphasic approach of bacterial classification—an overview of recent advances. *Ind J Microbiol* 47: 98-108. ISSN: 09737715, 00468991 (**IF 0.98, 12**)

Year-2006

1. **Prakash O** and Lal R (2006). Description of *Sphingobium fuliginis* sp. nov., a phenanthrene degrading bacterium from fly ash dumping site, and reclassification of *Sphingomonas cloacae* as *Sphingobium cloacae* comb. nov. *Int J Syst Evol Microbiol* 56, 2147-2152. ISSN 1466-5026 (**IF 2.8, 18**)
2. Lal R, Jit S, Verma M, Dadhwal M, Singh A, **Prakash O**, Sharma P and Khanna M (2006). Nanoorganisms: Smallest form of life got smaller:!
Ind J Microbiol 46, 413. ISSN: 09737715, 00468991 (**IF 0.98, 8**).

Year-2005

1. Pal R, Bala S, Dadhwal M, Kumar M, Dhingra G, **Prakash O**, Prabakaran SR, Shivaji, S, Cullum J, Holliger C and Lal R (2005). Hexachlorocyclohexane degrading bacterial strains *Sphingomonas paucimobilis* B90A, UT26 & Sp+, having similar lin genes represent three distinct species, *Sphingobium indicum* sp. nov., *Sphingobium japonicum* sp. nov. and *Sphingobium francense* sp. nov. and reclassification of [*Sphingomonas*] *chungbukensis* as *Sphingobium chungbukense* comb. nov. *Int J Syst Evol Microbiol* 55, 1965-1972. ISSN 1466-5026 (**IF 2.8, 16**).

Year-2004

1. **Prakash O**, Suar M, Raina V, Dogra C, Pal R and Lal R (2004). Residues of hexachlorocyclohexane isomers from soil and water samples of Delhi and adjoining areas. *Curr. Sci.* 87: 73-77. ISSN: 0011-3891. (**IF 0.9, 12**).

BOOKS

1. Anaerobes and Anaerobic Processes. Prakash O and Ranade DR (ed.). NIPA- New Delhi and Elsevier (Joint Publication)

CHAPTERS IN BOOK

1. Goyal D., Vajjanapurkar M., Jacques E., Pandey J., Prakash O. (2020) The Earth's Microbiome: Significance in Sustainable Development and Impact of Climate Changes. In: Singh S. (eds) *Metagenomic Systems Biology* pp 115-139. Springer, Singapore. https://doi.org/10.1007/978-981-15-8562-3_6 (ISBN 978-981-15-8561-
2. Goyal D., Swaroop S., Prakash O., Pandey J. (2022) Survival Strategies in Cold-Adapted Microorganisms. In: Goel R., Soni R., Suyal D.C., Khan M. (eds) *Survival Strategies in Cold-adapted Microorganisms*. Springer, Singapore. https://doi.org/10.1007/978-981-16-2625-8_8. Print ISBN978-981-16-2624-1
3. Yadav KK, Nimonkar Y, Singh S, Mirashi V., Prakash O (2020) Preservation of Anaerobic Microbes: Past, Present and Future. In *Anaerobes and Anaerobic Processes*. Prakash O and Ranade DR (ed.). NIPA- New Delhi and Elsevier (Joint Publication)
4. Prakash O and Ranade D R (2020). Technical Considerations for Cultivation and Purification of Anaerobic Microorganisms. In *Anaerobes and Anaerobic Processes*. Prakash O and Ranade DR (ed.). NIPA- New Delhi and Elsevier (Joint Publication)
5. Sharma R, Nimonkar Y, Singh R, Sharma A and **Prakash O** (2018). Concept of Microbial Preservation: Past, Present and Future: In *Microbial Resource Conservation Conventional to Modern Approaches*. Springer India. DOI: 10.1007/978-3-319-96971-8. Print ISBN978-3-319-96970-1
6. Dhakephalkar PK, Prakash O, Lanjekar VB, Tukdeo MP and Ranade DR (2018) Methanogens for human welfare More Boon than Bane (Springer India, In Press) In book: *Microbial Diversity in Ecosystem Sustainability and Biotechnological Applications* (pp.565-591) ISBN 978-981-13-8486-8
7. **Prakash O.**, Mahabare K, Krishna Yadav KK, Sharma R (2018). Fungi from extreme environments: A potential source of laccases group of extremozymes. In *Fungi in Extreme Environments: Ecological Role and Biotechnological Significance*. Sonia Tiquia-Arashiro and Martin Grube Ed. Springer (In Press) ISBN 978-3-030-19029-3
8. **Prakash, O.**, Sharma, R., Rahi, P., & Karthikeyan, N. (2015). Role of Microorganisms in **Plant Nutrition and Health**. In *Nutrient Use Efficiency: from Basics to Advances* (pp. 125-161). ISBN 978-81-322-2168-5 (6). **Corresponding Author**
9. Goyal, D., Pandey, J., & **Prakash, O.** (2017). Role of plant growth-promoting Rhizobacteria (PGPR) in degradation of xenobiotic compounds and Allelochemicals. *Advances in PGPR Research*, 330. ISBN-13: 978-1786390325
10. Bharti, N., Sharma, SK, Saini, S., Verma, A, Nimonkar, Y. and **Prakash, O.** (2017). Microbial Plant probiotics: Problems in application and formulation. In "Probiotics and Plant Health" pp. 317-335. Springer, Singapore. **Corresponding Author** Print ISBN978-981-10-3472-5 Online ISBN978-981-10-3473-2

11. **Prakash O.**, Pansare A & Dhar SK (2015). Bioprospecting Microbial Diversity: IPR Issues. In *Intellectual Property Issues in Biotechnology*. CABI, UK (ISBN-13: 978-1780646534). **Corresponding Author**
12. **Prakash, O** Sharma, R, Singh, P., Yadav, A. (2015). Strategies for taxonomical characterization of agriculturally important microorganisms. In. Microbial Inoculants in Sustainable Agricultural Productivity. Springer India (DOI: 10.1007/978-81-322-2647-5_5). **Corresponding Author ISBN 978-81-322-2647-5**
13. Green S, Rishishwar L, **Prakash O**, Jordan I, Kostka J (2013) Insights into environmental microbial denitrification from integrated metagenomic, cultivation and genomic analyses. In: Nelson K. (Ed.) *Encyclopedia of Metagenomics*: Springer Reference (www.springerreference.com). Springer-Verlag Berlin Heidelberg, 2013. https://doi.org/10.1007/978-1-4899-7478-5_779. ISBN 978-1-4614-6418-1 (4).
14. Lal, R., Dogra, C, Pal, R., Malhotar S., Sharma P., **Sharma OP**, Singh A, Arora M, Dadhwal M., and Lal S. (2004). Diversity and Evolution of *lin* genes In hexachlorocyclohexane degrading *Sphingomonas paucimobilis* strains and their use in bioremediation. In *Biotechnological Approaches for Sustainable Development*. Allied Publishers, New Delhi (2).ISBN-7788177646696
15. **Prakash, O.** and Ranade, D. R. (2016). Archaea and Environment. Souvenir Published in Bergey's International Society for Microbial Systematics (BISMis) meeting, in September-2016, Pune, India. **Corresponding Author**
16. A Canion, O Prakash, SJ Green, JE Kostka (2010). Investigation of the Ecology and Biogeochemistry of N sub (2)-Producing Microbial Communities in Arctic Sediments. Proceedings from the 2010 AGU Ocean Sciences Meeting. American Geophysical Union, 2000 Florida Ave., N. W. Washington DC 20009 USA.

PROCEEDINGS

1. Lal, R., Dadhwal, M., Singh, A., **Prakash, O.** Malhotra, S. and Sharma, P. (2005). Hexachlorocyclohexane (HCH) residues in Indian environment: Problems and solution. **Published in *Proceedings of 8th International HCH and pesticide forum, 26-28 May 2005, Sofia, Bulgaria.***
2. Lal, R., Pal, R., Dogra, C., **Prakash, O.**, Malhotra, S., Sharma, P., Suar, M. and Raina V. 2003. Problem Posed by Hexachlorocyclohexane (HCH) Residues in India and Need for Developing Bioremediation Technologies. Published in *Proceedings of International Symposium organized in Punne India.*

POPULAR ARTICLES

1. **Prakash O** and Singh RK (2018) Manav Vistha ke Saudagar (Popular Article in Vigyan Pragti, (CSIR-NISCARE)
2. **Cardzo S. and Prakash O. (2019).** Landfill: Dump yard or Graveyard as featured article in Science Reporter.
3. **Om Prakash and Kranti Karande (2020).** Landfill leachate: A black devil for public and environmental health in Scientific Factor

Invited Talks:

1. Om Prakash (2018).Optimization of Protein Extraction Method for Human-gut Proteomics. (ICERB-2018 from 27.10.18 to 31.10.18 Guru-Ghasidas Central University Bilaspur, invited talk)
2. Manvi Antra Metaproteomics, Manvi- antra microbiota ke kriyatamakats ke adhyayan ki ek ubhrti vidha. In Sanjukta Rajbhasha Vaigyanik Sangosthi. Jointly organized by NCCS, NCL and ARI-Pune On April-3-4, 2018
3. Prakash O, Singh RK, and Mercer R (2018).Assessment of Protein Extraction Methods for Gut-Proteomics (Invited Talk in Indian Society for Soil Contamination meeting 2018 at KIIT-Bhubneshwar. Sep.27, 2018.
4. Om Prakash (2018) Newer Technology for Quicker Diagnosis/identification of Anaerobes (Invited talk, Microbiology Department of Krishna Institute of Medical Science, Karad, MH. Sep-29, 2018.
5. **Role of Microbial Taxonomy in Determination of Biosafety Classes of Plant Growth Promoting (PGP) Bacteria.** In the National Workshop on “Advances in PGPR Research” on October 7-8, 2014 at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi **organised by** Department of Mycology and Plant Pathology, Banaras Hindu University, Varanasi and Asian PGPR Society, Hyderabad.
6. **Surface Enhanced Raman Spectroscopy (SERS) and Microbial Identification.** In in a TEQIP-II Sponsored One Week Faculty Development Program (FDP) on “Nanomaterials and Nanocomposites” December 2-6, 2013. Department of Metallurgy and Materials Science, Govt. College of Engineering, Pune.
7. **Practice and Prospects of Microbial Preservation in Omics Era** in Bergey’s International Society for Microbial Systematics (BISMiS) meeting, September- 2016, Pune, India.
8. **Landfill: A dumpyard or a graveyard** Presented in annual meeting of the Indian Network for Soil Contamination Research (INSCR) organized by Maharishi Dayanand University (MDU) Rohatak, Haryana on Current Trends in Microbiome; A Global Perspective”(CTM 2019) from October 11-12, 2019.

9. **Newer Technologies for Quicker Diagnosis/Identification of Bacteria:** Plenary talk in DBT funded programme Sanjeevni collage Ahmednagar. July-27, 2019
10. **Landfill: A dumpyard or a graveyard** Presented in *BIOMILAP-2019* –Conference organized by Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj (Allahabad), Nov. 05-06, 2019.
11. **OMICS as a Tool for Microbial Biodiversity Study.** AMI-Meeting 2019 hosted by Central University Haryana, between 15-18 Nov. 2019.
12. **Landfill: A dumpyard or a graveyard** Presented in **Environmental Pollution and Health Management (EPHM-2020)**” on 28th and 29th February 2020 organized by Career College, Bhopal, MP.
13. **Landfill a good source for Solid Waste Management** Webinar organized on 21 May, 2020 by Amity Institute of Biotechnology, Amity University, Gwalior, MP.
14. Delivered talk on **OMICS as a Tool for Microbial Biodiversity Study** in Webinar “COVID-19 Pandemic: Opportunities and Challenges” organized by Department of Microbiology & Institute of Engineering and Technology Dr. Rammanohar Lohia Avadh University, Ayodhya, UP. 19-20 May, 2020.
15. **Role of Wastewater Treatment Plants in Public and Environmental Health.** In Webinar organized by Department of Biochemistry University of Lucknow, Lucknow, May-30, 2020
16. Delivered Invited Plenary talk on Indian Scientists in “Azamapur Science Mela-2019” on November 02-03, 2019 organized by “United Science Forum”
17. Delivered Invited talk on the magical world of Microbes in “Azamapur Science Mela-2019” on November 02-03, 2019 organized by “United Science Forum”
18. Delivered invited talk on **Landfill: A dumpyard or a graveyard** in two days State level seminar, Recent trend in life science organized by RJSPM collage of ACS, Bhosari, Pune University, Pune on 7.02.2020
19. Delivered talk on **Thos Apshist : Jaiv Urja ka Ek achha Vikalp** in **Sanjukta Rajbhasha Vaigyanik Sangosthi** Jointly organized by NCCS, NCL and ARI, Pune, March-4, 2020
20. Delivered invited talk on Recent Trends, Biases and limitations of Cultivation based Diversity analysis. In AMI-2021 Jointly organized by AMI and INSCR from 1-5th Feb.2021

21. Delivered invited talk on Methanaoarchaea in Public and Environmental Health In AIIMS-ASM 2-days International webinar organized by Anaerobic Forum, India from 4-5th March .2021
22. Delivered invited talk on Anaerobes and Anaerobic Processes in online meeting of Microbiological Society of India. Jan-24, 2021
23. Delivered invited talk and performed lab demonstration of anaerobes and anaerobic technique organized by NEERI-Nagpur. Feb -16, 2021
24. Delivered invited talk on Archaea leads in Ecology of landfill leachate in 6th Annual meeting of Indian Network for Soil Contamination Research (INSCR) New Delhi (Nov. 15-18,2021)
25. Delivered invited talk on Landfill: A public and Environmental health perspective. Deenbandhu Collage, University of Delhi (Nov.-8, 2021)
26. Archaea leads in Ecology of landfill leachate, SAGE- University Bhopal National 2022-01-19 60 Invited Lecture.
27. Archaea leads in Ecology of landfill leachate, in MiCON -2022, at Yenepoya Research Centre, Yenepoya (Deemed to be University), Mangalore, India on Feb-2,2022
28. Delivered invited talk on Concept of Prokaryotic Diversity, Taxonomy and Systematics in Dept. Of Microbiology, Central University Haryana, 26.03.22.
29. Anaerobes and Anaerobic Process, National Workshop- cum -training program on 14th - 19th February-22 MDU Rohtak, 2022-02-14, Resource Person
30. Landfill: Dumpyard or graveyard., National Workshop- cum -training program on 14th - 19th February-22 MDU Rohtak, 2022-02-14, Resource Person
31. Invited talk on ***Municipal Landfill Leachate: Public and Environmental Health Perspective*** in Energy Water and Food Nexus International conference organized by Florida Agricultural and Mechanical University (FAMU), USA on 2022-04-12
32. Covid mask and Microbiology in Sanjukta Rajbhasah Vigyan Sanghosthi, Organized by NCCS, NCL and ARI-Pune on April-29,2022.

TRAINING COURSES/WORKSHOPS:

1. Attended the **“U. S. EPA/ORD grant process workshop- how it works”** jointly organized by United State Environmental Protection Agency (USEPA) and British-Petroleum (BP) at *Florida Agricultural and Mechanical University (FAMU), Tallahassee, FL, USA* December-09-2010. (10)
2. Attended professional development workshop on **“Contracts and Grants, from Cradle to Grave”** organized by “The Graduate School” *Florida State University, Tallahassee, FL, USA* (Oct.-28, 2010). 10
3. Attended professional development workshop on **“Writing Scientific Papers”** organized by “The Graduate School” *Florida State University, Tallahassee, FL, USA* on November 9 & 10, 2010. 10
4. Received training of **“Radiation Safety Short Course”** organized by Department of Environmental Health and Safety, *Florida State University” Tallahassee FL, USA* on June, 4,11 &18, 2008. 10
5. Received a three months summer training on **“Isolation and Identification of Plant Pathogenic Bacteria”** from plant pathology division of **“National Botanical Research Institute (NBRI), Lucknow, India (May-1999 to July-1999). 20**
6. Participated in CSIR sponsored winter workshop on **“Tool and Techniques of Plant Diversity Assessment, Conservation and Inventorization”** organized by CIMAP Lucknow (**16th Jan. 2000 to 4th Feb 2000**). 20
7. Completed an eleven months project work on **“Biological Control of Plant Diseases”** from **“National Botanical Research Institute (NBRI), Lucknow, India (July-2000 to June-2001).**
8. Completed a nine months project work on **“Bioremediation of Nitroaromatic Compounds”** from **Microbial Type Culture Collection (MTCC) division of Institute of Microbial Technology, Chandigarh, India. (July-2001 to April-2002).**

PAPER PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

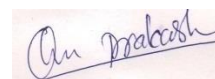
1. Attended and Poster presented in Energy Water and Food Nexus International Summit Fall -2017. October 19th -20th at the DoubleTree by Hilton, Orlando, FL, USA organized by Florida A&M University.
2. Poster presented in 5th Annual Conference on Functional Biology Research at FAMU July -31, 2017 and received 2nd Prize
3. Om Prakash Rakesh K Singh, and Roger Mercer (Orlando USA-2018). Development of an efficient proteomics sample preparation method for human gut proteomics (HuPo Meeting, Orlando, USA)

4. Prakash O, Singh RK, and Mercer R (2018). Preservation of Intact Fecal Sample for Future Meta-metabolomic Analysis (Poster ICMR-2018 organised by NCMR-NCCS, Pune).
5. Kostka, J. E., Green, S. J., **Prakash, O.**, Jasrotia, P., Rishishwar, L., Schadt, C., Watson, D. Brooks, S. (2012). Nitrate Attenuation and the Impact of pH on the Predominant Denitrifying Microbial Groups in the OR-IFRC Site Subsurface (OR-IFRC, PI-Meeting 4).
6. Prakash O, Nimonkar Y, Yadav B, Talreja P, Sharma A, Patil SK, Saware SS, Ranade DR (2018) Assessment of the Role of Wastewater Treatment Plant in Spread of Antibiotic Resistance and Bacterial Pathogens (AMI-2018, Hyderabad, India)
7. Patil SK, Nimonkar Y, Prakash O, Dhotre D, Ranade DR, ShoucheYS (2018) Assessment of Microbial diversity associated with Indian landfills (ICMR-2018, NCMR-NCCS, Pune)
8. Lin, X., Green, S., Tfaily, M. M., **Prakash, O.**, Konstantinidis, K, Corbett, J. E., Chanton, J. P., Cooper, W. and Kostka, J. E. (2012). Microbial community structure and activity linked to contrasting biogeochemical gradients in bog and fen environments of the Glacial Lake Agassiz Peatland. (Jun16-19, ASM2012, San Francisco.USA 4).
9. Green, S. J., **Prakash, O.**, Jasrotia, P., Jordan, I. K., Katz, L.S., Rishishwar, L., Schadt, C. W., Brooks, S. C. and Kostka, J. E. (2012). Genomic and physiological characterization of bacteria from the genus *Rhodanobacter*. (Jun16-19, ASM2012, San Francisco, USA 4).
10. Kostka, J. E., Lin, X., Chanton, P. R., Green, S. J., Tfaily, M. M., **Prakash, O.**, Chanton, J. P., Cooper, W., Steinweg, J. M. and Schadt C. W. (2012). The response of soil carbon storage and microbially mediated carbon turnover to simulated climatic disturbance in a northern peatland forest: revisiting the concept of soil organic matter recalcitrance. (TES- Meeting 4)
11. Overholt, W.A., Green, S.J., **Prakash, O.**, Gihring, T. M., Akob, D. M., Jasrotia, P., Jardine, P. M., Watson, D. B., Brown, S. D., Palumbo, A. V., Sul, W. J., Tiedje, J., Brooks, S., Kostka, J. E. (2010). Denitrifying bacteria from the Genus *Rhodanobacter* are key members of microbial communities in the acidic, uranium-contaminated subsurface at Oak Ridge, TN. 109th General Meeting of the American Society for Microbiology, Philadelphia, PA. 4
12. Green, S. J., P. Jasrotia, D. Hubbard, **O. Prakash**, T. M. Gihring, **D. M. Akob**, P. M. Jardine, D. B. Watson, S. D. Brown, A. V. Palumbo, and W. J. Sul, J. Tiedje, and J. E. Kostka. 2010. Current Molecular Methods that Target Denitrification Genes Do Not Detect Key Denitrifying Taxa. International Society for Microbial Ecology Symposium, Seattle, WA USA. 4

13. **Prakash, O.**, Overholt, W., Green, S., Freyer, G., Canion, A., Delgardio, G., Norton, N., Huettel, M., and Kostka, J. E. (2011). Isolation, Enumeration, and Characterization of Oil-Degrading Bacteria and Fungi from Oiled Gulf Sediments Impacted by the Deepwater Horizon Spill. 111th General Meeting of the American Society for Microbiology, New Orleans, Louisiana 6.
14. Green, S. J., Jasrotia, P., Overholt, W. A., **Prakash, O.**, Gihring, T. M., Jardine, P. M., Watson, D. B., Brown, S. D., Palumbo, A. V., Scheldt, C., Brooks, S., Sul, W., J., Tiedje, J., Reed, J. and Kostka, J. E. (2011). Why are *Rhodanobacter* spp. so dominant in a uranium-contaminated subsurface environment? 111th General Meeting of the American Society for Microbiology, New Orleans, Louisiana. 4
15. Canion, A. K., **Prakash, O.**, Green, S. J., & Kostka, J. E. (2010). Characterization of N₂-Producing Bacterial Communities from Arctic Sediments. 2010 State of the Arctic Conference: Miami, Florida. 4
16. Jasrotia, P., **Prakash, O.**, Canion, A. K., Green, S. J. and Kostka J. E. (2010) Isolation and Characterization of acid tolerant denitrifying bacteria and fungi from the terrestrial subsurface DOE-SBR 5th Annual PI Meeting 2010 March 29-31, 2010 JW Marriott, Washington, DC 4
17. Jasrotia, P., Canion, A. K., **Prakash, O.**, Green, S. J., and Kostka, J. E. (2010). Isolation and characterization of denitrifying fungi and bacteria from low pH, nitrate- and uranium- contaminated groundwater. Presented in Dept. of Oceanography, Graduate symposium. 4
18. Kostka, J.E., **Prakash, O.**, Green, S.J., Jasrotia, P., Kerkhof, L., Chin, K.-J., Keller, M., Venkateswaran, A., Elkins, J.G., Stucki, J.W. [2009]. Structure and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and Bioimmobilization. Department of Energy Environmental Remediation Sciences Program 4th Annual PI Meeting. Landsdowne, VA. 4
19. Spalding, B., Watson, D., Jardine, P., Zhang, F., Tang, G., Parker, J., Kostka, J.E., Green, S.J., **Prakash, O.**, Wu, W.-M., Zhang, G., Kelly, S., Mehlhorn, T., Carley, J., Kemner, K., Criddle, C., Schadt, C., Luo, W., Gu, B., Hortia, J. and Brooks, S. [2009]. Site-Wide Oak Ridge FRC Watershed Monitoring of Contaminant Distribution and Attenuation Processes. Department of Energy Environmental Remediation Sciences Program 4th Annual PI Meeting. Landsdowne, VA. 4
20. **Prakash, O.**, Green, S.J., Gihring, T., Jardine, P., Watson, D. and Kostka, J.E. [2009] Denitrification activity and novel denitrifying bacteria isolated from a terrestrial subsurface aquifer exposed to mixed contamination. 109th General Meeting of the American Society for Microbiology, Philadelphia, PA. 6
21. Kostka, J. E., H. J. Mills, D. M. Akob, **O. Prakash**, D. Swofford, L. Kerkhof, K.-J.

Chin, M. Keller, J. Elkins, and J. W. Stucki. 2008. Structures and Function of Subsurface Microbial Communities Affecting Radionuclide Transport and Bioimmobilization. DOE 3rd Annual ERSP Spring PI Meeting, Lansdowne, VA.4

22. Poster presented in International Symposium on **“Utilization of Microbes for the Development of Bioremediation Technologies”** organized at the Department of Zoology, University of Delhi, Delhi. Sponsored by SDC, Switzerland and DBT, India **(October 7, 2002 to October 8, 2002).**4
23. Poster presented in International Symposium on **“Molecular Toxicology and Environmental Health”** organized by ITRC Lucknow **(November 5-8/ 2003).** 4
24. Poster presented. in 46th AMI (Association of Microbiologist of India) Annual Conference **“Microbiotech 2005”**, organized by Microbiology Department of Osmania University Hyderabad (A.P.).4
25. Poster presented in 47th AMI (Association of Microbiologist of India) Annual Conference 2006, organized by Department of Biotechnology Barkatullah University, Bhopal (M.P.) India. 4



Om Prakash

S. No	Name of the Student	Project title	Institute	Program	Year
1	Apurva Kulkarni	Oligotrophy vs. Copiotrophy in Lonar Lake:A alakaline and saline habitat	Modern Collage, Pune University	M. Sc	2013
2	Tejshrii Godamabe	Oligotrophy vs. Copiotrophy in Lonar Lake:A alakaline and saline habitat	Modern Collage, Pune University	M. Sc	2013
3	Madhu Sharma	Description of Pelistega indica from the human-gut	KNIPSS, DR RMLU, Faizabad, UP	M.Sc.	2014
4	<u>Abhay J Kothari</u>	Study of bacterial diversity from Dairy Effluents	Modern Collage, Pune University	M. Sc	2015
5	<u>Chetan N. Patwardhan</u>	Study of bacterial diversity from Dairy Effluents	Modern Collage, Pune University	M. Sc	2015
6	<u>Pratibha Bani</u>	<u>Study of Denitrifying bacteria from Dairy effluents</u>	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2015</u>
7	<u>Kunal S. K. Bardhiya</u>	<u>Molecular and physiological characterization of bacteria isolated from Celiac disease patient</u>	<u>DPU, Pune</u>	<u>(B.Tech Biotech)</u>	<u>2015</u>
8	<u>Sishir Kashyap</u>	<u>Characterization of bacteria isolated from Celiac Disease patient</u>	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2015</u>
9	<u>Mahesh Swami</u>	<u>Characterization of bacteria isolated from Celiac Disease patient</u>	<u>Jaipur, Rajasthan</u>	<u>M.Sc.</u>	<u>2015</u>
10	Vikram Nichit	Characterization of bacteria from landfill samples	Pune, University	<u>M.Sc. biochemistr y</u>	<u>2016</u>
11	<u>Ashutosh Sharma</u>	<u>Characterization of Gluten degrading bacteria from Gut</u>	KNIPSS, DR RMLU, Faizabad, UP	<u>M.Sc.</u>	2016
12	<u>Pradeep Maurya</u>	<u>Taxonomical characterization of bacteria isolated from dairy waste</u>	KNIPSS, DR RMLU, Faizabad, UP	<u>M.Sc.</u>	2016
13	<u>Anupma Garg</u>	<u>Isolation and characterization of anaerobic bacteria and archaea from food waste</u>	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2016</u>
14	<u>Tarachand Patel</u>	Oligotrophy vs. Copiotrophy in Lonar Lake:	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2016</u>
15	<u>Seema Patel</u>	<u>Characterization of extremophilic denitrifiers from effluent</u>	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2016</u>

<u>16</u>	<u>Rachna Suharae</u>	<u>Intact leachate microbiome Preservation</u>	<u>DAVV, Indore</u>	<u>M.Sc.</u>	<u>2016</u>
<u>17</u>	<u>Prafful Nadkarni</u>	<u>Characterization of protease producing bacteria</u>	<u>DPU, Pune</u>	<u>M.Sc.</u>	<u>2014</u>
<u>18</u>	<u>Ajay Kharat</u>	<u>Characterization of bacteria isolated from landfill leachate</u>	<u>Baramati,</u>	<u>M.Sc.</u>	<u>2017</u>
<u>19</u>	<u>Shripad Joshi</u>	<u>Denitrifiers</u>	<u>Hislop college Nagapur</u>	<u>M.Sc.</u>	<u>2017</u>
<u>20</u>	<u>Kritika Dixit (B. Tech Biotechnology)</u>	<u>Detection, Enumeration and Characterization of Pelistega indica”.</u>	<u>AMITY, Noida</u>	<u>B-Tech, Biotech</u>	<u>2014</u>
<u>21</u>	<u>Puskar Godse</u>	<u>Characterization of Alkaline protease from Micrococcus</u>		<u>M..Sc</u>	<u>2015</u>
<u>22</u>	<u>Pankaj Birari</u>	<u>Study of denitrifying bacteria from human gut and dairy effluents</u>	<u>iBB, SPPU, Pune</u>	<u>M.Sc.</u>	<u>2016</u>
<u>23</u>	<u>Priya Parate priyaparate28@gmail.com</u>	<u>“Comparative analysis of denitrification potential of denitrifying bacteria isolated from landfill leachate.”</u>	<u>Hislop Coll. Nagapur, Nagpur University</u>	<u>M.Sc. (Biotechnol ogy)</u>	<u>2019</u>
<u>24</u>	<u>Kishor Pandangale</u>	<u>Cultivation and identification of bacteria from soil sample</u>	<u>Ahmednagar College</u>	<u>M.Sc.</u>	<u>2019</u>
<u>25</u>	<u>Pragya Singh (pragyasingh2911@gmail.com)</u>	<u>Molecular and physical identification of bacterial culture isolated from garden soil sample</u>	<u>GITTAM-University Vishakhapattan</u>	<u>B. Tech (Biotech)</u>	<u>2019</u>
<u>26</u>	<u>Payal Talareja (talrejapiyu611@gmail.com)</u>	<u>Comparative Study on Cultivation Based Bacterial Profiling from Two Different Municipal Wastewater Treatment Plants, Pune</u>	<u>Dr. D.Y. Patil Biotechnology and Bioinformatics Institute, Pune</u>	<u>B.Tech</u>	<u>2017</u>
<u>27</u>	<u>Krishna Yadav</u>	<u>Study of Optimal Conditions for Production of Phenol Oxidase by Alkaliphilic Fungi of Lonar Lake</u>	<u>DPU, Pune</u>	<u>M.Sc (Biotech)</u>	<u>2015</u>
<u>28</u>	<u>Priyanka Gollelu</u>	<u>Identification of fungal flora of the Lonar crater and their enzymatic analysis</u>	<u>SPPU, Biotech</u>	<u>M.SC</u>	<u>2015</u>
<u>29</u>	<u>Bhoomika Yadav</u>	<u>Assesment of the role of wastewater treatment plant in spread of pathogens</u>	<u>B. Tech + M.Tech- Biotechnology</u>	<u>Amity University Rajasthan</u>	<u>2018</u>
<u>30</u>	<u>Apoorva Goyal</u>	<u>Characterization of Denitrifying bacteria.</u>	<u>D. Y. Patil University, Mumbai (Maharashtra)</u>	<u>M.Sc. biotechnolo gy</u>	<u>2018</u>

<u>31</u>	<u>Mrinalini Singh</u> <u>mrinalini1309@gmail.com</u>	<u>Nitrate depletion under microoxic and anoxic conditions with the help of Ochrobactrum tritici</u>	<u>AMITY, Gwalior</u>	<u>B.Sc.(H) Biotech</u>	<u>2018</u>
<u>32</u>	<u>Shubhanjli Singh</u>	<u>Molecular and physical identification of bacterial culture isolated from garden soil sample</u>	<u>Vansthali, Rajsthan</u>	<u>B-Tech biotechnolgy</u>	<u>2019</u>
<u>33</u>	<u>Vaidehi Mirashi</u>	<u>Isolation and characterization of anaerobic pathogens from various human samples</u>	<u>NMIMS, Mumbai</u>	<u>M.Sc. (life science)</u>	<u>2019</u>
<u>34</u>	<u>Sasha Cardozo</u>	<u>Study of temperature effects on fecal coliform</u>	<u>KIIT-Bhuvneshwar</u>	<u>B-Tech (Biotech)</u>	<u>2019</u>
<u>35</u>	<u>Anjali Shukla</u>	<u>Reconfirmation of identity of anaerobes isolate</u>	<u>RDU, Jabalpur</u>	<u>M.Sc. Microbiology</u>	<u>2019</u>
<u>36</u>	<u>Raunak Rai</u>	<u>Isolation and characterization of bacteria from soil</u>	<u>AMITY, Gwalior</u>	<u>B-Tech</u>	
<u>37</u>	<u>Eden Jacques</u> <u>(edenjacques007@gmail.com)</u>	<u>Optimization of growth conditions of previously isolated anaerobic bacteria from clinical samples</u>	<u>Symbiosis International (Deemed University)</u>	<u>M.Sc. Biotech</u>	<u>2020</u>
<u>38</u>	<u>Manali vaijanapurkar</u> <u>(manali.sv@gmail.com)</u>	<u>Comparative Study of Clostridial samples isolated from landfill leachate using polyphasic approach</u>	<u>Symbiosis International (Deemed University)</u>	<u>M.Sc. Biotech</u>	<u>2020</u>
<u>39</u>	<u>Arvind Shau</u> <u>avhisahu10@gmail.com</u>	<u>Microbiological characterization of leachate samples collected from different landfill sites</u>	<u>Bharati Vidyapeeth Deemed University, Pune</u>	<u>M.Sc. Biotech</u>	<u>2020</u>
<u>40</u>	<u>Kajal Shelke</u> <u>shelkekajal38@gmail.com</u>	<u>Characterization of different denitrifying bacteria isolated from different landfill sites in india</u>	<u>Fergusson college (autonomous), Pune</u>	<u>M.Sc. Biotech</u>	<u>2020</u>
<u>41</u>	<u>Himani Sharma</u>	<u>"A Polyphasic Approach of Taxonomic Characterization of Bacterial Strains Isolated From Indian Landfill"</u>	<u>Amity, Gwalior</u>	<u>B.Sc. (H) Biotechnolgy</u>	<u>2020</u>

Student mentored