

CURRICULUM VITAE

CARRIER OBJECTIVE: To achieve excellence in education and research related to social development.

PERSONAL DETAILS:

Name : Dr. Kamble Pramod Ningappa

Designation : Associate Professor

Date of Birth : 18/ 09/ 1982

Sex : Male

Marital status : Married

Permanent Address : A/P. Bastwad Tal-Shirol

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EDUCATIONAL QUALIFICATION:

Degree	Year of passing	University	Subject	Class
B.Sc.	2005	Shivaji University Kolhapur	Zoology	Second
M.Sc.	2007	Shivaji University Kolhapur	Environmental Science	First class
SET	Aug.2006	Pune University	Environmental Science	First attempt
NET	Dec. 2006	UGC	Environmental Science	First attempt
PhD	November, 2012	Pune University	Environmental Science	Pass

Ph D. Topic- Nutrient limiting factors for bacterial and fungal growth in soils differing in nutrient availability

Research Student from 1 September, 2009 at Department of Soil Microbial Ecology, Lund University Sweden with Erasmus Mundus fellowship Duration of PhD: 26/11/2007 to 5/11/2012.

TEACHING EXPERIENCE

- Working as an Assistant Professor at P. G. Department of Environmental Science PVP College, Pravaranagar from 18/06/2007 to 21/11/2016 on Permanent Basis.
- Working as an Assistant Professor Department of Environmental Science, Savitribai Phule Pune University, Pune 22/11/2016 to 23/11/2022 date on Permanent Basis.

EXTRACURRICULAR ACTIVITIES:

- Worked as a NSS cadet from 2005 to 2007 in Shivaji University, Kolhapur.
- Worked as an active member of Ceremony, Gymkhana and Career Guidance Committees of College.

RECOGNITION:

Recognized as PhD guide of Savitribai Phule Pune University, Pune

Recognized as a M.Phil Guide of Savitribai Phule Pune University, Pune

Recognized as a P.G. Teacher from Savitribai Phule Pune, University, Pune

01 M. Phil. Degree Awarded in July 2021 Degree and 01 is working

3 (01 Guide, 02 Co-guide) PhD students are pursuing their Ph D degree under my Guidance.

PROFESSIONAL EXPERIENCE

Expert in water and soil quality analysis. Leucine and Acetate incorporation technique for measurement of bacterial and fungal growth in soil. Cultural technique for isolation of bacteria and fungi in soil.

RESEARCH LINES

Environmental Ecology, Environmental Biology, Environmental Biotechnology, Bioremediation, Nutrient limiting, Bacterial and fungal growth in soil. Soil ecology, soil microbial ecology, Control of pollution by using modern techniques and water and soil analysis.

PREVIOUS RESEARCH ACTIVITIES

Position	Centre	Institution	Start Date	End Date
PhD guest student	Lunds University, Sweden	Microbial Ecology, Dept. of Biology, Lund university, Sweden	2009-09-01	2012-03-27

PARTICIPATION IN RESEARCH PROJECTS

Sr. No.	Project Title	Funding Agency	Start Date	End Date	Amount INRs.	Principal Investigator
1.	Studies on Water Quality of Bhandardara Reservoir of Ahmednagar District With Respect to Physico-Chemical and Biological	BCUD , Savitribai Phule Pune University ,Pune	1 st April, 2008	1 st March, 2010	1,33,333/-	Pramod N. Kamble
2.	Analysis Of Soil Quality And Microbial Ecology And Biodiversity: Isolation, Identification And Characterization Of Soil Bacteria And Fungi Of The Dajipur Forest Bison Sanctuary, Western Ghat” (Proposal No. 3sci001418)	BCUD , Savitribai Phule Pune University ,Pune	1/03/2013	2 nd March, 2015	200000/-	Pramod N. Kamble

3	Development of Institutional Herbal Garden at Central University of Rajasthan, Ajmer, Rajasthan	NMPB, New Delhi, Ayush Ministry GOI	01/04/2023	Ongoing	21.60 Lakh	Dr. Pramod N. Kamble
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ongoing						
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Research paper published:

Jaybhaye, R., Nandusekar, P., Awale, M., Paul, D., Kulkarni, U., Jadhav, J., Mukkannawar, U., **Kamble, P.** 2022. Analysis of seasonal variation in surface water quality and water quality index (WQI) of Amba River from Dolvi Region, Maharashtra, India. *Arabian Journal of Geosciences*. 15, 1261.

Gawari, D., Pandit, V., Jawale, N., **Kamble, P.** 2022. Layered MoS₂ for photocatalytic dye degradation. *Materials Today: Proceedings* 53,

Jadhav, A.P., Phatangare, A.B., Ganesapandy, T.S., Bholane, G.T., Sonawane, A.M., Khantwal, N., **Kamble, P.N.**, Mondal, P., Dhamgaye, V.P., Dahiwal, S.S., Phase, D.M., Bhoraskar, V.N., Dhole, S.D. 2022. Synchrotron X-ray assisted degradation of industrial wastewater by advanced oxidation process. *Radiation Physics and Chemistry* 197, 110161

Kamble, P., Bodane, P.S., Beig, G., Awale, M., Mane, U.M.A.V., Mujumdar, M., Kuchekar, S.R., Patil, V.N. 2021. Impact of transport sector emissions on biochemical characteristics of plants and mitigation strategy in Pune, India. *Environmental Challenges* 4, 100081.

Shaikh, M., Mandy, J., Umrikar, B.N., **Kamble, P.**, Herlekar, M.A., Kamble, P.B. 2021. Identification of Suitable Sites for Plant Growth Using Multicriteria Technique and Physico-chemical Properties of Soils from Yerala River Catchment area, Western India. *Bulletin of Pure and Applied Sciences-Geology* 2, .271-287.

Gawari, D., Pandit, V., Jawale, N., Kamble, P. 2021. Layered MoS₂ for photocatalytic dye degradation. *Materials Today: Proceedings*.

Patil, R.S., Patil, V.N., Nalavade, P.M., **Kamble, P. N.** 2021. Environmental and Civil Prospects of Geotextile: A Review. *International Journal for Scientific Research and Development* 8, 50-52.

Patil R.S. , Patil V.N., Nalawade P.M. and Kamble P.N. 2020. Application of Geobags for Control of Soil Erosion in Panchanganga River Basin Area: An Eco Friendly Defense. *JETIR* 7, 2216-2221.

Mawal, S., Kamble, P.N. 2020. Isolation, Screening and Biochemical Characterization of Effective Microorganism for Bioremediation from Surface Water in a Mula-Mutha River, Pune – India. *Journal of Agroecology and Natural Resource Management* 7, 41-45.

Dnyaneshwar Shinde , **Pramod Kamble** , D.M. Mahajan ,Vikas Devkar and Snajay Chakane, 2020. Analysis of Accumulated Heavy Metal Concentrations in Various Body Par of Chillapi (*Oreochromis mossambicus*) Fish from Ujjani Reservoir of Maharashtra, India. *Advances in Zoology and Botany* 8 (2), 37-44

Pramod Kamble, Rupali H. Landge, Abhijit N. Lande, and Vinayak P. Dhulap, 2019. A Novel porous activated carbon compound prepared for adsorption of Cobalt (Co (II)) from aqueous solution for environmental pollution mitigation. *Rasayan journal of Chemistry* 12, 1864-1871.

Swapnil Mawall, Pramod Kamble, Digambar Mokat, 2019. Assessment of Plant Diversity and Soil Carbon Sequestration of Alice Garden and Department of Environmental Sciences in Savitribai Phule Pune University Campus. *International Journal of Botany Studies* 4,6-13.

Pramod N. Kamble and Erland Bååth, 2018. Carbon and Nitrogen amendments lead to differential growth of bacterial and fungal communities in a high pH soil. *Pedosphere* 28 (2), 255-260.

Pramod N. Kamble, Ragini G. Bodade, Abhijit K. Sagar, Goraksh M. Pondhe, Viswas B. Gaikwad, and Ashish V. Mane., 2018. Removal of Copper (II) Using Bio-adsorbents from Prepared Aqueous Solution. *Nature Environment and Pollution Technology*, 17, 215-222.

Before joining SPPU

Pramod N. Kamble and Erland Bååth, 2016. Comparison of fungal and bacterial growth after alleviating induced N-limitation in soil. *Soil Biology and Biochemistry*. 103, 97-105.

Pramod N. Kamble, VB Gaikwad, SR Kuchekar, E Bååth , 2014. Microbial growth, biomass, community structure and nutrient limitation in high pH and salinity soils from Pravaranagar (India) *European Journal of Soil Biology* 65, 87-95

Pramod N. Kamble and Erland Bååth, 2014. Induced N-limitation of bacterial growth in soil: Effect of carbon loading and N status in soil. *Soil Biology and Biochemistry* 74, 11-20.

Pramod N. Kamble, Johannes Rousk , Serita D. Frey, Erland Bååth, 2013. Bacterial growth and growth- limiting nutrients following chronic nitrogen additions to hardwood forest soil. *Soil Biology & Biochemistry* 59, 32-37.

Pramod N. Kamble, Anil R. Kurhe, Gorkash M. Pondhe , Viswas B. Gaikwad and Erland Baath, 2013. Soil Nutrient Analysis and their Relationship with Special Reference to pH in Pravaranagar Area, District Ahmednagar, Maharashtra, India. *IJSTR* 2, 216-218.

Tushar D. Patil, Shrikant Pawar, **Pramod N. Kamble** and Savita V. Thakare, 2012. Bioremediation of complex hydrocarbons using microbial consortium isolated from diesel oil polluted soil. *Der Chemica Sinica*, 2012, 3(4):953-958.

- P. N. Kamble**, S. J. Kokate, H. R. Aher and S. R. Kuchekar, 2010. Tamarindus indica seeds as a natural ion exchanger for removal of iron (iii). International Journal of Chemical Science 8, 183-188.
- D. V. Sonwane, S. P. Lawande, V. B. Gaikwad, **P. N. Kamble** and S. R. Kuchekar 2009. Studies on Ground Water Quality around Kurkumbh Industrial area, Daund, Pune District. Rasayan Journal of Chemistry 2, 421-423.
- Pramod N. Kamble**, Viswas B. Gaikwad and Shashikant R. Kuchekar 2011, Monitoring of Physico-Chemical Parameters and Quality Assessment of Water of Bhandaradara Reservoir Der Chemica Sinica 2, 229-234.
- P. N. Kamble**, N. V. Apsingekar, H. R. Aher, V. B. Gaikwad and S. R. Kuchekar., 2009. Casuarina equisetifolia Bark as a Natural Ion Exchange for Removal of Heavy Metal from Industrial Effluent. Environmental Science: An Indian Journal (TSI) vol. 4, 2.

Paper presented in conferences

- Kamble P. N., Gaikwad V. B., Kuchekar S. R., Bååth E., 2012. Nutrient limitation of bacterial growth and bacterial community tolerance to NaCl and pH in high pH, saline soils from Pravaranagar (India) measured using the Leucine incorporation. National Conference on ESNRM, NMU Jalgaon. Oral
- Kamble P., 2012. Effect of N deposition on nutrient limiting bacterial growth in different N status soils measured using leucine incorporation. Biology in Lund Annual Meeting 2012. Poster
- H. R. Aher, **P. N. Kamble**, S. J. Kokate, S. R. Kuchekar, Tamarindus indica seeds as a natural ion exchanger for removal of iron (III). Paper presented at 97th Indian science congress- University Kerala-Thiruvananthapuram 3-7 January 2010 (Poster presentation).
- P. N. Kamble, V. B. Gaikwad and S. R. Kuchekar 2009, Analysis of Physio-Chemical Parameters of Bhandardara Dam Water, Akole Tahasil, Ahmednagar District. Paper Presented at the 96th Session of Indian Science Congress, held at Shilong, Meghalaya, Jan. 3– 8, 2009
- P. N. Kamble, Viswas B. Gaikwad & S. R. Kuchekar, 2009. Physicochemical Analysis of Physio-Chemical Parameters of Bhandardara Dam Poster. Presented in regional conference at Baramati organized by University of Pune, Pune.
- P. N. Kamble**, Analysis of Soil Nutrient and their Relationship with Special Reference to pH in Pravaranagar Area, District Ahmednagar, Maharashtra, India. Presented orally in National seminar on advances and innovations in chemical sciences at PVP College, Pravaranagar.

Work summary

My early work was on water quality analysis and preparation of biological resin for removal of heavy metals from industrial waste water. This applied work will of course be of importance for the society to achieve adequate drinking water. Resin preparation will

also directly be of interest for industries in order to create an eco-friendly environment. I have worked on soil microbial ecology for my PhD, analyzing nutrients limiting bacterial and fungal growth in soil, including studies on effects of human induced nitrogen and salinity pollution. This includes soils with different N-availability, as well as P-limited soils. I have for the first time been able to show that in P-limited soils, bacteria and fungi can be limited by different nutrients, bacteria by lack of P and fungi by C. Also, even under N-limitation, the carbon source will be of importance for the balance of fungal and bacterial growth. Although this work is basic, aiming at understanding interactions between soil microbes and nutrients, this will be of importance in trying to understand factors determining the balance of fungi and bacteria in soil. This balance has been suggested as an important factor driving the carbon sequestration in soil.

Teaching plan

I would like to teach at master's level courses and also supervise in research. I have plan to design new syllabus which will be mostly research oriented. Syllabus will give opportunity for student to develop research attitude. The subject would include Environmental biology, environmental biotechnology and Environmental ecology focusing on bio remediation, study of soil biota, soil, water and air pollution remediation by using Eco-friendly methods like using biological material for removal of heavy metal from waste water. Soil microbial ecology includes nutrient cycles, nutrient limitation for bacterial and fungal growth, formation of soil, types of soil. Also it includes effect of environmental change and global warming on soil microorganism and their activities. Practical's related to above mentioned subjects.

Contribution in Department:

- Actively engaged in teaching and guidance for M. Sc. Dissertation, M. Phil and PhD student
- Working as a admission coordinator for M. Sc. Environmental Science, M. Sc. Urban water and sanitation, and P. G. Diploma in integrated urban water sanitation management

- Since Oct, 2019 working as a hostel rector. Also submitted research proposal for various funding agencies like MOES and SERB DST, New Delhi for getting financial assistant

Othe activitites

1. External paper setter for M.Sc. exam of Solapur University and SPPU, Pune
2. External examiner for practical examination of Solapur university in Environmental Science
3. Worked as a reviewer of international Environmental sustainability (Springer)
4. Participated at conferences
5. Worked as expert committee member for conducting interview for the post of Deputy Project coordinator and other post under Regional facility center for medicinal plant conservation
6. Given invited talk in various conference and seminars and work shop
7. Completed FDP, orientation and refresher courses.
8. Worked as a supervisor in **Emission inventory project- Activity data generation for the development of high resolution emissions inventory of Pune metropolitan region (PMR)** in collaboration with IITM, Pune and funded by MOES, New Delhi,