

Dr. PURANIK PRAVIN RAMCHANDRA

Professor,
 Dept. of Biotechnology, School of Life Sciences,
 Kavayitri Bahinabai Chaudhari North Maharashtra University,
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**☛ Educational Qualifications:**

Degree	College/ University	Class/ Division	Month and Year of Passing	Remarks
Ph.D. (Microbiology)	Agharkar Research Institute, Pune (University of Pune, Pune)	-	Dec, 1998	-
M.Sc. (Microbiology)	Y.C. College of Science, Karad, Dist. Satara (Shivaji University, Kolhapur, MS)	I	April, 1992	-
B.Sc. (Microbiology)	DBF Dayanand College of Arts and Sci, Solapur (Shivaji University, Kolhapur, MS)	I	April, 1989	-

- Qualified DL-101, an online course of WIPO (World Intellectual Property Organization), Geneva in 2006.
- Qualified NET-2001 (National Eligibility Test) conducted by Council of Scientific and Industrial Research – University Grants Commission (CSIR –UGC), New Delhi

☛ Teaching Experience: 21.5 Years

Duration	Institution	Designation	Nature of work done
Jan 2017 - till date	School of Life Sciences, North Maharashtra University, Jalgaon	Professor	Teaching to PG students in Biotechnology and research guidance to PhD students in Microbiology and Biotechnology
Jan 2014 - Dec 2016	-“-	Associate Professor	
Jan 2006 - Dec 2013	-“-	Assistant Professor	
Jan 2004 - Dec 2005	-“-	Lecturer in Senior Scale	
Jan 2000 - Jan 2004	-“-	Lecturer	

☛ Research Expertise and Interests:

- ▶ Cyanobacterial biotechnology : Metabolites with novel biotechnological applications
- ▶ Environmental Biotechnology: Bioaugmentation and Bioremediation of Metal and Pesticide contaminated waters and soils, reclamation of saline soils

☛ Awards/Fellowships/prizes received:

- ▶ “Best Scientist Award” of Agharkar Research Institute, Pune and Rotary Club of Pune for the year 1998-1999.
- ▶ Awarded CSIR (Council of Scientific and Industrial Research, New Delhi) Senior Research Fellowship (SRF) [Jan 1996 to Dec 1998] and Research Associateship [April 1999 to Jan 2000].
- ▶ Recipient of ARI (Agharkar Research Institute, Pune) fellowship (JRF) [Nov 1994 to Dec 1995]

☛ Ph.D. Students completed (12):

Sr. No	Name of the candidate	Topic of research	Date of Award
1.	Amarsinh A. Bhosale	Studies on plant growth promoting cyanobacterial inoculants for the development of nursery plantlets in saline soil (Guide: Dr. S.T. Pawar; Co-guide P.R. Puranik), (Microbiology)	18-02-2019
2	Nivedita S. Deshmukh	Studies on iron acquisition by cyanobacteria and its feasibility for therapeutic use (Microbiology)	14-01-2019
3	Vrushali A. Wagh	Degradation of chlorpyrifos and 3,5,6-trichloro-2-pyridinol (TCP) by fungal cultures and its applicability for soil bioremediation (Microbiology)	28-12-2018
4	Vivek S. Javalkote	Scrutinizing biophotonics of photosynthetic microbes for their biotechnological potentials (Biotechnology)	18-4-2017
5	Prachi A. Zavar	Carbon dioxide sequestration by alkaliphilic microalgae with teeming biotechnological potentials (Biotechnology)	17-5-2017
6	Vijay E. Patel	Range of antioxidant metabolites with biotechnological potentials from alkaliphilic cyanobacteria (Biotechnology)	15-7-2016
7	Parag V. Pandav	Studies on metal-cyanobacterial interactions for the development of mineral rich feed supplement (Biotechnology)	31-8-2015

8	Devendra V. Deshmukh	Ecophysiological studies on alkaliphilic cyanobacteria from soda lake of Lonar (Microbiology)	7-9-2011
9	Mhallappa N. Jagtap	Development of biotechnological approach for remediation of metal contaminated soils (Guide: P.R. Puranik; Co-guide: Dr. M.V. Kulkarni) (Biotechnology)	9-7-2011
10	Liladhar S. Patil	Studies on novel bioactive compounds from indigenous cyanobacteria with reference to pharmaceutical applications (Guide: Dr. M.V. Kulkarni; Co-guide: P.R. Puranik) (Biotechnology)	15-5-2011
11	Sunil T. Pawar	Studies on ecological and biotechnological aspects of halotolerant cyanobacteria (Microbiology)	9-7-2009
12	Tejomayee S. Bhalerao	Bioremediation of pesticide contaminated soils and its effect on soil ecology and functionality (Microbiology)	1-7-2008

☛ **Ph.D. Students ongoing (1):**

Sr. No	Name of the candidate	Topic of research	Date of Registration	Status/ Remarks
1.	Satish G. Kulkarni	Evaluation of the effect of gamma irradiation induced stress on cyanobacterial physiology (Biotechnology)	6-5-2013	Submitted Synopsis

☛ **Patents generated: (5)**

Sr. No.	Month & Year	Inventor(s)	Patent details (title, application no. etc.)	Status
1.	Jan, 2014	Puranik P.R., Javalkote V.S., Pandey A. and Deshmukh P.K.	Self disappearing wound dressing and method of preparation (Indian Patent Appl. No. 323/MUM/2014 dt 30.01.2014)	Filed
2.	Jan, 2014	Puranik P.R., Mahulikar P.P., Zawar P.A., Javalkote V.S. and Waghmode B.S.	A system for cultivation of algae using trapped flue gas (Indian Patent Appl. No. 35/MUM/2014 dt 06.01.2014)	Filed
3.	Aug, 2013	Puranik P.R., Pandav P.V. and Javalkote V.S.	A method for preserving the nutritional components of a feed supplement. (Indian Patent Appl. No. 2646/MUM/2013 dt 12.08.2013)	Filed

4.	Mar, 2010	Puranik P.R., Deshmukh D.V., Pandav P.V., Patel V.E., Pawar S.T. and Puranik K.P.	Natural blue pigment and process for producing the same. (Indian Patent Appl. No. 689/MUM/2010 dt 15.03.2010)	Filed
5.	Nov, 1995	Puranik P.R. and Paknikar K.M.	A method for the treatment of industrial waste waters with the help of constructed wetland systems. (Indian Patent Number, 186511)	Granted

☞ Research publications: 37

International journals: (16)

- Zawar, P.A., Javalkote, V.S., Burnap, R., Mahulikar, P.P., Puranik, P.R. (2016). CO₂ capture using limestone for cultivation of the freshwater microalga *Chlorella sorokiniana* PAZ and the cyanobacterium *Arthrospira* sp. *VSJ. Bioresource Technology*, 46, 498-509 (IF 5.74)
- D'Agostino, P.M., Javalkote, V.S., Mazmouz, R., Pickford, R., Puranik, P.R., Neilan, B.A. (2016). Comparative profiling and discovery of novel glycosylated mycosporine-like amino acids in two strains of the cyanobacterium *Scytonema* cf. *crispum*. *Applied Environmental Microbiology*, 82, 5951–5959. doi:10.1128/AEM.01633-16. (IF 4.31)
- Javalkote, V.S., Zawar, P.A., Puranik, P.R. (2015). Scrutinizing influence of UV radiation on adsorption behavior of zinc metal on marine diatom *Nitzschia* sp. BDU DD 002. *Applied Microbiology and Biotechnology*, 99, 5269-5280. (IF 3.42)
- Javalkote, V.S., Pande, A.P., Puranik, P.R., Deshmukh P.K. (2015). Magnetically responsive siliceous frustules for efficient chemotherapy. *Materials Science and Engineering, C* 50, 107-116. (IF 2.736)
- Patel, V.E., Berthold, D., Puranik, P.R., Gantar, G. (2015). Screening of cyanobacteria and microalgae for their ability to synthesize silver nanoparticles with antibacterial activity. *Biotechnology Reports*, 5, 112-119.
- Deshmukh, D.V., Puranik, P.R. (2012). Statistical evaluation of nutritional components impacting phycocyanin production in *Synechocystis* sp. *Brazilian Journal of Microbiology*, 43, 348-355. (IF 0.762)
- Jagtap, M.N., Kulkarni, M.V., Puranik, P.R. (2010). Flux of heavy metals in soils irrigated with urban wastewaters. *American-Eurasian J Agricultural and Environmental Sciences*, 8, 487-493.
- Deshmukh, D.V., Puranik, P.R. (2010). Application of Plackett-Burman design to evaluate media components affecting antibacterial activity of alkaliphilic cyanobacteria isolated from Lonar Lake. *Turkish Journal of Biochemistry*, 35, 112-118. (IF 0.229)
- Bhalerao, T.S., Puranik, P.R. (2009). Microbial degradation of monocrotophos by *Aspergillus oryzae*. *International Biodeterioration and Biodegradation*, 63, 503-508. (IF 2.252)
- Pawar, S.T., Puranik, P.R. (2008). Screening of terrestrial and freshwater halotolerant cyanobacteria for antifungal activities. *World Journal of Microbiology and Biotechnology*, 24, 1019-1025. (IF 1.55)

11. Bhalerao, T.S., Puranik, P.R. (2007). Biodegradation of organochlorine pesticide, endosulfan by a fungal soil isolate, *Aspergillus niger*. *International Biodeterioration and Biodegradation*, 59, 315-321. (IF 1.375)
12. Puranik, P.R., Paknikar, K.M. (1999). Biosorption of lead, cadmium and zinc by *Citrobacter* strain MCM B-181: Characterization studies. *Biotechnology Progress*, 15, 228-237. (IF 2.40)
13. Puranik, P.R., Paknikar, K.M. (1999). Influence of co-cations on biosorption of lead and zinc – a comparative evaluation. *Bioresource Technology*, 70, 269-276. (IF 0.881)
14. Puranik, P.R., Modak, J.M., Paknikar, K.M. (1999). A comparative study on the mass transfer kinetics of metal biosorption by microbial biomass. *Hydrometallurgy*, 52, 189-197. (IF 0.693)
15. Puranik, P.R., Paknikar, K.M. (1997). Biosorption of lead and zinc by from solutions using *Streptovorticillium cinnamoneum* waste biomass. *Journal of Biotechnology*, 55, 113-124. (IF 1.11)
16. Puranik, P.R., Chabukswar, N.S., Paknikar, K.M. (1995). Cadmium biosorption by *Streptomyces primprina* waste biomass. *Applied Microbiology and Biotechnology*, 43, 1118-1121. (IF 1.363)

National journals: (17)

1. Kulkarni S.G., Dhapse V.D. and Puranik P.R. (2020) Influence of gamma exposure on synthesis of antioxidant metabolites in cyanobacteria. *International Journal of Pharmacology and Biological Science*, 14(1), 1-12.
2. Deshmukh D.V. and Puranik P.R. (2020) Ecology and diversity of alkaliphilic cyanobacteria from soda lake Lonar, India. *International Journal of Recent Scientific Research*, 11(7), 39131-39137.
3. Wagh, V.A., Puranik, P.R. (2017). Optimization of culture conditions for the biodegradation of chloropyrifos by *Aspergillus flavus* C-87. *International Journal of Pharmacology and Biological Science*, 11(20), 51-64.
4. Deshmukh, D.V., Puranik, P.R. (2017). Alkaliphilism and carbonate transport in alkaliphilic cyanobacteria (*Phormidium* sp.) isolated from alkaline lake Lonar, India. *International Journal of Current Microbiology and Applied Sciences*, 6(2), 397-405.
5. Deshmukh, N.S., Puranik, P.R. (2016). Influence of iron on growth and siderophore production by *Phormidium* sp. *Global Journal of Bio-Science and Biotechnology*, 5(3), 355-361.
6. Zavar, P.A., Javalkote, V.S., Puranik, P.R. (2016). Optimization of the parameters of culture medium for chemo-photosynthetic carbon dioxide sequestration using response surface methodology. *Phykos*, 46(1), 51-58.
7. Bhosale, A.A., Puranik, P.R., Pawar, S.T. (2016). Screening and optimization of indole 3 acetic acid producing non-heterocystous cyanobacteria isolated from saline soil. *Scholars Academic Journal of Biosciences*, 4(9), 738-744.
8. Pandav, P.V., Puranik, P.R. (2015). Trials on metal enriched *Spirulina platensis* supplementation on poultry growth. *Global Journal of Bio-Science and Biotechnology*, 4(1), 128-134.
9. Pawar, S.T., Puranik, P.R. (2014). C-phycoyanin production by halotolerant cyanobacteria. *Phykos*, 44(1), 25-32.
10. Deshmukh, D.V., Puranik, P.R. (2014). Study of antioxidant potentials of alkaliphilic cyanobacteria isolated from Lonar lake, India. *International Journal of Pharmacognosy*, 1(2), 113-118.

11. Jagtap, M.N., Kulkarni, M.V., Puranik, P.R. (2014). Isolation and characterization of metal interacting bacteria bio-prospecting for phytoremediation. *Trends in Life Sciences*, 3(1), 20-29.
12. Jagtap, M.N., Kulkarni, M.V., Puranik, P.R. (2013). Phytoremediation of metal contaminated soils with special reference to *Brassica juncea* (L.) Czern., *Macrotyloma uniflorum* Lam Verdc. (*Dolichos biflorus*) and *Medicago sativa* L. *Trends in Biotechnology Research*, 2(2), 7-19.
13. Pawar, S.T., Bhosale, A.A., Puranik, P.R. (2013). Ecology and biodiversity of cyanobacteria from saline soils. *Ecology, Environment and Conservation*, 19(2), 167-174.
14. Jagtap, M.N., Kulkarni, M.V., Puranik, P.R. (2011). Accumulation of heavy metals and concurrent physiological changes in hydrophytes. *Advances in Pharmacology and Toxicology*, 12(1), 41-49.
15. Patil, L.S., Puranik, P.R., Kulkarni, M.V. (2010). Antifungal potential of some culturable cyanobacterial species isolated from terrestrial environments. *Asian J Chem Environ Res*, 3, 27-30.
16. Patil, L.S., Kulkarni, M.V., Puranik, P.R. (2009). Assessment of an antibacterial potential of some indigenously isolated culturable cyanobacterial species. *Journal of Pharmacy Research*, 2, 1116-1119.
17. Paknikar, K.M., Pethkar, A.V., Puranik, P.R. (2003). Bioremediation of metalliferous wastes and products using inactivated microbial biomass. *Indian Journal of Biotechnology*, 2, 426-443.

Book chapters (International): (1)

1. Paknikar, K.M., Puranik, P.R., Agate, A.D., Naik, S.R. (1998). Metal biosorbents from waste fungal biomass, A new bio-remedial material for control of heavy metal pollution. In: *Bioremediation: Principles and Practices*, Vol. III (Eds. Sikdar S. and Irvine R.) Technomic Publishing Co., Lancaster, PA, USA pp 557-776.

Conference Proceedings (International): (3)

1. Paknikar, K.M., Puranik, P.R., Pethkar, A.V. (1999). Development of microbial biosorbents – a need for standardization of experimental protocols. In: *Biohydrometallurgy and the environment towards the mining of 21st Century*, Vol. II (Eds. Ballester A. and Amils R.) Elsevier, Amsterdam, pp 363-372.
 2. Paknikar, K.M., Rajwade, J.M., Puranik, P.R. (1999). Entrapment of suspended particles from solutions using *Aspergillus* species. In: *Biohydrometallurgy and the environment towards the mining of 21st Century*, Vol. II (Eds. Ballester A. and Amils R.) Elsevier, Amsterdam, pp 725-730.
 3. Paknikar, K.M., Palnitkar, U.S., Puranik, P.R. (1993). Biosorption of metals from solution by mycelial waste *Penicillium chrysogenum*. In: *Biohydrometallurgical Technologies*, Vol. II (Eds. Torma A.E., Apel M.L. and Brierley C.L.) Minerals, Metals & Materials Society, Warrendale, PA, USA, pp 229-235.
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☛ Research Publication Analysis (Nov, 2021)

Scopus Author ID	Paper published in peer reviewed Journal		Chapters in Books	Citations	Thompson-Reuter Web of Science Impact Factor	H-index (google)	i10 index (google)
	National	International					
Puranik P.R.	17	16	4	1908	Range 0.23 - 5.74 (Cumulative 28.82)	15	17

☛ Research projects (completed): (5)

Sr.	Name(s)	Funding agency	Title of the project	Duration (Month, Year)	Amount (₹ Lakhs)	Remarks
1	Dr. P.R. Puranik (Coordinator and PI) and Prof. S.T. Pawar (PI at TC College, Baramati)	DBT, New Delhi	Bioremediation of salt affected soils using halotolerant PGPR and cyanobacterial inoculants	3 Years (Dec 2013 - Dec 2016)	46.15	Multicentre coordinated project
2	Dr. P.R. Puranik (PI) Prof. P.P. Mahulikar (Co-PI)	DST, New Delhi	Chemo-photosynthetic conversion of carbon dioxide into algal biomass with biotech potentials	3 Years (Mar 2012 - Mar 2015)	50.20	-
3	Dr. P.R. Puranik (Coordinator) Mr. K.S. Vishwakarma (Dy Coordinator)	UGC, New Delhi	UGC-SAP-DRS-Ph-II on "Agrobiotechnology"	3 years (April 2009 - Mar 2014)	66.50	Departmental project
4	Dr. S.T. Pawar, T.C. College, Baramati (PI) and Dr. P.R. Puranik (Co-Investigator)	UGC, New Delhi	Algal soil-acclimatizers for cultivation of plantlets in saline soil	3 years (Mar 2011 - Mar 2014)	6.48	-
5	Dr. P.R. Puranik (PI)	UGC, New Delhi	Development of metal enriched cyanobacterial biomass for feed supplementation	3 years (Feb, 2010 - Jan 2013)	9.04	-

☛ Scientific collaborators:

- ▶ PhD research student, Miss. Prachi Zavar has been awarded with 'Robert S. McNamara (RSM) Fellowship' of The World Bank' and conducting her research on 'Photosynthetic microbes as biocatalyst for carbon dioxide mitigation' at Oklahoma State University, Stillwater, United States under the supervision of Prof. Robert L. Burnap, Microbial and Molecular Genetics from 1st July to 31st Dec 2015.
- ▶ PhD research student, Mr. Vivek Javalkote conducted the part of PhD research work with Prof. Breit A. Neilan, School of Biotech. and Biomolecular Sci. University of New

South Wales, Sydney NSW 2052, Australia for the period April – Sept 2014 under Australian Government's 'Endeavor Res. Fellowship' 2014.

- PhD research student, Mr. Vijay Patel conducted the part of PhD research work with Prof. Miroslav Gantar, Dept. of Biol. Sci., Florida International Univ., Miami, Florida, USA for the period Aug 2013 – May 2014 under Fulbright-Nehru Res. Fellowship 2013-14.
- Collaborative research on cyanobacteria is being conducted with Dr. Sunil Pawar, Department of Microbiology, Tuljaram Chaturchand College, Baramati, Pune through MRP of UGC, New Delhi and a multi-institutional project of DBT, New Delhi.
- Submitted research proposal with Dr. Partha Baruah, Associate Professor, Gauhati University, Guwahati 781014, Assam to DBT under Twining Program in 2010.
- Interdepartmental active collaboration with Prof. P.P. Mahulikar, Director, School of Chemical Sciences, NMU, Jalgaon and running a major research project of DST, New Delhi.

☞ **Specialized Training courses/ Workshops/ Seminars attended:**

- Orientation Course at UGC-ASC, University of Pune, Pune (24 Dec, 2002 to 20 Jan, 2003), with "A" grade.
- Refresher Course in "Environmental Sciences" (9-29, May 2009) at UGC-ASC, Kerala University with "A" grade
- Refresher Course in "Environmental Sciences" (4-24, Jan 2011) at UGC-ASC, Goa University with "A" grade
- A training workshop on "Blue green algae: Application in agriculture and industry" at CCU-BGA, IARI, New Delhi (12-18 May, 2010).
- A workshop on "Research Techniques in Cyanobacteriology" at National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli (19-30 March, 2001).
- International workshop on "Metal-microbe interactions and their applications", sponsored by UNEP at ARI, Pune as a laboratory instructor (12-25 March, 1995).

☞ **Conferences/ Workshops/ Seminar Organized:**

- Coordinator of a two days National Seminar on "Emerging Strides in Life Sciences" under UGC-SAP-DRS-Ph-III, 14-15 Feb, 2020.
- Coordinator of a two days National Seminar on "Recent Trends in Life Sciences" under UGC-SAP-DRS-Ph-III, 2-3 Feb 2018.
- Co-organizing Secretary of the third Global Sustainable Biotech Congress organized at NMU, Jalgaon, 1-5 Dec, 2014.
- Organizing secretary of one day seminar on "Recent Trends In Agrobiotechnology" sponsored by UGC-SAP, New Delhi at School of Life Sciences on 24th Feb, 2007.
- Coordinator of a two days National Seminar on "Agrobiotechnology" under SAP of UGC New Delhi 5-6 March, 2010.

☞ **Memberships:**

- Life member of Biotech Research Society of India (BRSI)
- Life member of Global Biotechnology Forum, Nagpur (GBF)
- Life member of 'Microbiologists Society', India
- Member of NMUCTO, NMU-unit, Jalgaon

☛ **Administrative work experience:**

- ▶ Coordinator of CBCS activities at SLS (from July, 2018)
 - ▶ Coordinator of Exam Committee at SLS under academic flexibility (2015-17)
 - ▶ Coordinator of Admission Committee at School of Life Sciences (2012-14)
 - ▶ Officiating Head of the Dept. of Biotechnology, NMU (June 2008 – June 2010).
 - ▶ Coordinator of M.Phil. at School of Life Sciences (2007-08)
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☛ **Member of academic bodies of other Universities:**

- ▶ RRC in Microbiology at Mumbai University, Mumbai (Since June 2016)
 - ▶ BOS in Microbiology at Barkatullah University, Bhopal (Since June 2018)
 - ▶ BOS in Microbiology at SRT Marathwada University, Nanded (June 2018)
 - ▶ RRC in Biotechnology at Dr. BAM University, Aurangabad (Since June 2018)
 - ▶ BOS in Microbiology at Veer Narmad South Gujarat Univ, Surat (2015-17)
 - ▶ Curricular designing for “Ayurved Botany” by Mah Univ of Health Sci, Nasik (2013-14)
 - ▶ Adhoc board in Microbiol & Biotechnol at Dr. BAM Univ, Aurangabad (2009-11)
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☛ **Reviewer to international journals:**

i) Journal of Applied Phycology, ii) Journal of Hazardous Matters iii) Chinese Journal of Oceanology and Limnology iv) Indian Journal of Biotechnology v) British Microbiology Research Journal vi) Biodegradation vii) Brazilian Journal of Microbiology viii) Geomicrobiology ix) International Journal of Pharma and Bio sciences x) Energy Conversion and Management x) Current Science

☛ **Leadership experience:**

- ▶ Coordinator of the UGC-SAP-DRS-Ph-II program run at SLS, NMU (2009-14).
 - ▶ Chairman of ‘University Level Avishkar-2013’ and Member of Core Organizing Committee of ‘State Level Avishkar-2013’ held at NMU, Jalgaon.
 - ▶ Member of organizing committee of University level “Avishkar” (2007-16) and Coordinator for the year 2013-14
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☛ **Any other academic/ extension/ administrative/ social activity done/going on:**

- ▶ Worked as the member of ‘Finance Management Committee’ at the State Level ‘Krida Mahostav’ (Ashwamedh) held during 26-30 Nov, 2015 at SRT Marathwada University, Nanded appointed by Hon’ble Chancellor, Govt of Maharashtra as
 - ▶ Worked as the member of ‘Finance Management Committee’ at the 9th State Level Avishkar convention held during 21-23 Jan, 2015 at Maharashtra Animal and Fishery Sciences University, Nagpur appointed by Hon’ble Chancellor, Govt of Maharashtra.
 - ▶ Appointed as the member of ‘Board of Studies - Microbiology’ of Veer Narmad South Gujarat University, Surat (since May 2015).
 - ▶ Appointed as the external member on ‘Research and Recognition Task Force’ in ‘Microbiology’ of Mumbai University (since 14th June, 2016)
 - ▶ Appointed as the member of ‘Ad-hoc Board in Microbiology’ of Dr. BAM University, Aurangabad (2009-11).
 - ▶ Appointed as the member of BOS in Microbiology of Tuljaram Chaturchand College, Baramati an autonomous college for 10 years (since 9th Feb, 2019).
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☛ **Contribution to University/School/Department:**

- Member of 'IQAC' of North Maharashtra University from the year 2014-15.
 - Coordinator of 'Peer Committee' and 'Project Appraisal Committee' of RGSTC NMU Centre for providing financial assistance to S&T projects under the scheme of RGS&TC, Government of Maharashtra through NMU, Jalgaon. In the year 26 research proposals from 110 pre-proposals received were selected for financial support. The total amount disbursed in the year was Rs. 50 lakhs (2014-2016).
 - Member of 'Committee for the disbursement of grants for Travel, Conference, seminar, symposia, workshop and publication' at NMU from 22nd April, 2015.
 - Member of Academic committee, Examination committee at School of Life Sciences under academic flexibility for the years 2009-11.
 - Active role in designing time table and designing the academic schedule of the School
 - Member of committee for structuring syllabus of Paper II for PhD course work
 - Setting of papers, conduction and evaluation of internal examinations
 - Participated by giving hands on experience with instrument, AAS to MSc students in "Workshop on Biotechniques" (2010, 2011, 2012, 2014, 2016).
 - Member of the advisory committee of the Women's Study Centre of NMU (2010-12).
 - Member of Campus Student's Magazine Committee since 2009-10
 - Member of Institutional Biosafety Committee (IBSC), NMU, Jalgaon (2010-12).
 - Member of LIC and interview panel for the selection of lecturers in Biotech / Microbio / Biochemistry at various colleges in NMU jurisdiction
 - Attended the meeting of BOS (Life Sciences) as an Invited Member
 - Member of PBS-API verification committee at Camp organized for College teachers of NMU
-