Dr. A.B. Chaudhari

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☞ Educational Qualifications:

- **Ph. D. in Microbiology**, North Maharashtra University, Jalgaon (February, 1999)
- **M. Sc. in Microbiology**, University of Poona, Pune, 1989 (First Class)
- **B. Sc. in Microbiology**, University of Poona, Pune, 1987 (First Class)
- **Diploma in Dairy Technology**, NDRI, Karnal, 1982 (First Division)

☞ Teaching experience:

- Professor, School of Life Sciences, North Maharashtra University, Jalgaon (July 2010 to July 29, 2019)
- Head, Department of Microbiology, School of Life Sciences, North Maharashtra University, Jalgaon (March 21, 2014 till 2019).
- Head, Department of Microbiology, School of Life Sciences, North Maharashtra University, Jalgaon (2007 till Oct., 2011).
- Reader, School of Life Sciences, N. M. University, Jalgaon (2002 to 2010).
- Senior Lecturer, School of Life Sciences, N. M. University, Jalgaon (1999-2002).
- Lecturer, Dept. of Microbiology, PSGVP Mandal`s ASC College, Shahada (July 1989 to June 1999).
- Contributory lecturer, School of Environmental Sciences, N.M. University, Jalgaon (1999-2001).

☞ Area of Research/expertise:

- Molecular biology and microbial genetics
- Fermentation technology
- Environmental biotechnology and biodegradation
- Biosensor

☞ Awards/ Fellowships/Prizes received

- Fellow of Maharashtra Academy of Sciences (30th October, 2015; ELF 1007)
- Recipient of **Research Fellowship for Ph.D.** under UGC VIIIth Five Year Plan of Teacher Fellowship Scheme, University Grants Commission, Government of India, New Delhi (1996-97).
- Qualified in **Joint CSIR-UGC (NET)** examination, CSIR-UGC, New Delhi (1989).
- Qualified in **GATE`92,** Indian Institute of Technology (1992).

☞ Research Students: 1. Post doctorate: 01 Woman scientist

Dr. Mrs. Kanan Puranik	UGC -PDF for Women	Development of low cost biofertilizer and land reclamation agent from farm waste	Feb. 2012 - 17	Rs. 20.98 Lakhs	Completed
Ms. Raksha Kankariya	DST-WOS-A (Women Scientist)	Development of 2,4- Diacetyl-phloroglucinol producing and PGPR biocontrol formulation	June 2015-18	Rs. 16.50 Lakhs	Ongoing

2. Ph.D. students completed: 13 (Guide) + 03 (Co-guide)

Sr. no.	Name of the candidate	Topic of research	Status
1.	Meenal Kulkarni NMU /11/Ph.D./Microb./ /2000	Bioremediation of nitroaromatic compound (p-nitrophenol)	Ph.D. awarded (2006)
2.	Ulhas Patil NMU /11/Ph.D./Microb./ /2000	Studies on thermo-tolerant, organic solvent tolerant alkaline protease from alkaliphilic bacteria	Ph.D. awarded (2010)
3.	Anil Kumar Yadav NMU /11/Ph.D./Biotech/36/'08	Studies on fermentative production and application of lactate	Ph.D. awarded (2011)
4.	Pradeep Chintaman Suryawanshi NMU/11/Ph.D./Biotech/39/'08	Studies on isolation and characterization of substrate-specific microbes for enhancing biogas production	Ph.D. awarded (2013)
5.	Meghraj Saligram Kadam	Studies on some aspects of optical biosensor for iron detection using microbial siderophore	Ph.D. awarded (2013) (co-guide)
6.	Rajendra Dharmaji Shelar NMU /11/Ph.D./Microbio./30/'07	Studies on some aspects of nitrogen fixation by microbes from alkaline and saline soils	Ph.D. awarded (January, 2015)
7.	Debasree Kundu NMU/11/Ph.D./Microbio./36/'08	Studies on some aspects of microbial augmentation of nitro-derivative aromatic compound (s)	Ph.D. awarded (21 April, 2016)
8.	Chinmay Hazra NMU/11/Ph.D./Micro./41/'09	Biotechnological studies on some aspects of microbial surfactant(s)	Ph.D. awarded (07 April, 2016)
9.	Bhagyashri N. Dandi	Microbial treatment of high gravity distillery spent wash	Ph.D. awarded (27 May, 2016)
10.	Dandi Navin Dharmaji NMU/11/Ph.D./Microbio./32/'07	Biotechnological studies on novel ethanologenic microbe for improved ethanol production	Ph.D. awarded (July 31, 2017)
11.	Kiran Marathe	Microbial protease inhibitor: Isolation, purification, characterization and its role in pest management	Ph. D. awarded (21 June, 2017)
12.	Monali Nikam (NMU/11/Ph.D./Micro./56/2012)	Biotech aspects of organic solvent-tolerant microbial enzyme	Ph.D. awarded (June, 2018)
13.	Sandeep G. Patil (NMU/11/Ph.D./Micro./3/2013)	Studies on phenazines from fluorescent Pseudomonads for *in vitro* biological activity	Ph.D. awarded (December, 2018)
14.	Shraddha P. Pawar	Studies on bacterial organo-halometabolite and its application(s)	Ph.D. awarded (31 July, 2020)
15.	Kalpana A. Jain	Enhancement of biogas production from Agro-industrial waste	Ph.D. awarded (29 July, 2021)
16.	Raksha Kankariya	Studies on bacterial production of 2,4-diacetylphloroglucinol (DAPG) for biocontrol	Ongoing (3/4/2014)

3. Ph.D. Scholars ongoing: 02 (Co-Guide)

Sr. No.	Name of the candidate	Topic of research	Status/ Registration date
1.	Pavankumar Gavit	Biotech input for cultivation of crop in salt affected soils	Ongoing (6/5/2013)
2.	Prasad V. Jape	Studies of Microbial degradation of nitroaromatic pesticides: Pendimethaline	Ongoing (5/11/2014)

M. Phil students completed: 02

Sr. no	Name of the candidate	Topic of research	Status
1.	Ms. Payal Ghosh NMU/11/M.Phil/Sci./Microbiol/2008	Biotechnological studies on production of microbial surfactant using cost effective substrates	Awarded June 26, 2009
2.	Mr. N.S. Kasture NMU/11/M.Phil/Sci/Microbiol/2008	Studies on some aspects of microbial degradation of simpler nitroaromatic compounds	Awarded June 30, 2009

☞ No. of books written: 02

1. U.K. Patil, J. Kulkarni, **A.B. Chaudhari** and S.B.Chincholkar (2013) ***Foundation in Microbiology (*1st edn., 2003; 5th edn., 2008; 8th edn., 2013; 9th edn., 2015, Revised edn., 2017**), Nirali Prakashan, Pune (ISBN no. 81-85-790-53-4) ; sold ~10,000 copies in India and SARC countries.
2. **A.B. Chaudhari**, K.P.Narkhede and M.K.Narkhede (2004) Microbiology, Prashant Publications, Pune.

☞ No. of patents: 04 (02: Granted + 02: Examination process)

1. Kadam, M. S., **Chaudhari, A. B.** and Chincholkar, S. B. (2010) A method for detection of siderophore using dye paper strip (Patent submitted to Govt. of India on Dec. 28th, 2009; CBR 893, dated 05.01.2010 and application no.31/MUM/2010; **granted and patent no. 256586**).
2. Kadam, M. S., **Chaudhari, A. B**. and Chincholkar, S. B. (2010) A method for iron detection by using fluorescent siderophore (Patent Application No. 1179/MUM/2010 dtd. June 5, 2010; In process: Govt. of India).
3. Aniruddha Chatterjee, Debasree Kundu, Chinmay Hazra, **Ambalal Chaudhari** and Satyendra Mishra (2014) Biosurfactant functionalized biodegradable filler and polymer composite derived therefrom (Patent Application No. 2725/MUM/2014 dated 26/09/2014; In process: Govt. of India).
4. Aniruddha Chatterjee, Chinmay Hazra, Debasree Kundu, **Ambalal Chaudhari** and Satyendra Mishra (2014) Biodegradable masterbatches and compositions thereof (Patent Application No. 2726/MUM/2014 dated 26/09/2014; Govt. of India; **granted and patent no. 336601 dated 08 May 2020**).

☞ Research Publications: Total 87 + 01 + 02 = 90

International Peer Reviewed Research Papers and Book Chapters (53)

1. Shraddha Pawar and Ambalal Chaudhari (2021) Pyrrolnitrin biosynthesis from rhizospheric Serratia spp. with antifungal activity and *in silico* study of *prnF* gene, *Preparative Biochemistry and Biotechnology*, (Manuscript submission process).

2. Raksha A. Kankariya, Ambalal B. Chaudhari and Navin Dandi, (2021) Inhibitory efficacy of 2, 4-diacetylphloroglucinol against SARS-CoV-2 proteins: *in silico* study, *Biologia* (Ms. No. BIOL-D-21-00525R1 - Accept but needs final editing), Impact factor: 1.350; SJR: 0.282 and h-index: 38.

3. Kalpana Jain, Pradeep Suryawanshi and Ambalal Chaudhari (2020) Hydrogenotrophic methanogen strain of *Methanospirillum* from anaerobic digester fed with agro-industrial waste, *Biologia*, 76(1):255-266 (DOI:10.2478/s11756.020.00559-y); Impact factor: 1.350; SJR: 0.282 and h-index: 38.

4. Shraddha Pawar and Ambalal Chaudhari (2020) Pyrrolnitrin from rhizospheric *Serratia marcescens* NCIM 5696: Optimization of process parameters using statistical tools and seed-applied bioprotectant for *Vigna radiata* (L.) against *Fusarium oxysporum* MTCC 9913. *Applied Biochemistry and Biotechnology*, 178(4): Online first; doi.org/10.1007/s12010-019-03123-w (IF: 3.80).

5. Shraddha Pawar, Ambalal Chaudhari, Ratna Prabha, Renu Shukla and Dhananjaya Singh (2019) Microbial pyrrolnitrin: Natural metabolite with immense practical utility. *Biomolecules*, 9:443-469; doi: 10.3390/biom 9090443 (IF: 4.75) and also accepted for publication in *Encyclopedia.*

6. Pavankumar Gavit, Ambalal Chaudhari, Rajendra Shelar, and Navin Dandi (2019) Microbial augmentation of salt affected soils: Emphasis on haloalkalitolerant PGPR, In: *Microbial Interventions in Agriculture and Environment*, *Volume 2: Rhizosphere, Microbiome and Ecology*, Singh, D.P. (ed.), Springer-Verlag, New York, pp.255-302.(doi.org/10.1007/978-981-13-8383-0_9).

7. Prasad Jape, Vijay Maheshwari and Ambalal Chaudhari (2019) Microbial degradation of nitroaromatic pesticide: Pendimethalin, In: *Microbial Interventions in Agriculture and Environment*, *Volume 1: Research Trends, Priorities and Prospects,* Singh, D.P. (ed.), Springer-Verlag, New York, pp.531-544.

8. Raksha Kankariya, Ambalal Chaudhari, Pavankumar Gavit and Navin Dandi, (2019) 2, 4-Diacetylphloroglucinol (DAPG): A biotech commodity molecule for agriculture, In: *Microbial Interventions in Agriculture and Environment*, *Volume 1: Research Trends, Priorities and Prospects,* Singh, D.P. (ed.), Springer-Verlag, New York (Elaborated Book Chapter); pp. 419-452.

9. Kiran R. Marathe, Ravindra H. Patil, Kishor S. Vishwakarma, Ambalal B. Chaudhari and Vijay L. Maheshwari (2019) Protease inhibitors and their applications: An overview, In: *Studies in Natural Products Chemistry*, Chapter 6, Vol. 62, Springer Publisher, doi.no. 10.1016/B978-0-444-64185-4.00006-X (Proof).

10. Siunova, T. V., Anokhina, T. O., Sizova, O. I., Sokolov, S. L., Sazonova, O. I., Kochetkov, V. V., Boronin, A. M., Patil, S. G. and **Chaudhari, A. B.** (2017) PGPR *Pseudomonas* strains promising for the development of bioformulations for plant protection and stimulation, *Russian Journal of Biotechnology*, 33 (2): 56-67.
11. Sandeep Patil, Monali Nikam, Hemangi Patil, Tatyana Anokhina, Vladimir Kochetkov and **Ambalal Chaudhari** (2017) Bioactive pigment production by *Pseudomonas* spp. MCC 3145: Statistical media optimization, biochemical characterization, fungicidal and DNA intercalation-based cytostatic activity. *Process Biochemistry,* 58: 298-305 (Doi: 10.1016/j.procbio.2017.05.003 IF: 3.067; SJR: 0.937; SNIP: 1.173)
12. Monali Nikam, Sandeep Patil, Ulhas Patil, Rahul Khandare, Sanjay Govindwar and **Ambalal Chaudhari** (2016) Biodegradation and detoxification of azo solvent dye by ethylene glycol tolerant ligninolytic ascomycete strain of *Pseudocochliobolus verruculosus* NFCCI 3818. *Biocatalysis and Agriculture Biotechnology*, 9:209-217 (Doi: 10.1016/j.bcab.2017.01.004, IF: 1.684, SNIP: 0.761; SJR: 0.478)
13. Sandeep Patil, Monali Nikam, Tatyana Anokhina, Vladimir Kochetkov and **Ambalal Chaudhari** (2017) Multi-stress tolerant plant growth promoting *Pseudomonas* MCC 3145 producing cytostatic and fungal pigment. *Biocatalysis and Agriculture Biotechnology,* 10:53-63; Doi: 10.1016/j.bcab.2017.02.006, IF:1.684, SNIP: 0.761; SJR: 0.478.
14. Debasree Kundu, Chinmay Hazra, Aniruddha Chatterjee, **Ambalal Chaudhari,** Satyendra Mishra, Amol Kharat and Kiran Kharat (2016) Surfactin functionalized poly (methyl methacrylate) as eco-friendly nano-adsorbent: from size controlled scalable fabrication to adsorptive removal of inorganic and organic pollutants. *RSC Advances,* 6 (84): 80438-80454. (Doi: 10.1039/C6RA10804K; Impact Factor: 3.289).
15. Kiran Marathe, **Ambalal Chaudhari** and Vijay Maheshwari (2016) Purification and characterization of a novel heterodimer protease inhibitor from *Streptomyces* spp. VLJ2 with potential biopestcidal activity against *H. armigera. Process Biochemistry*, 51 (10):1650-1663,Doi:10.1016/j.procbio.2016.08.010, IF: 3.067; SJR: 0.937; SNIP: 1.173
16. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2016) Biodegradation of 2,6-dinitrotoluene and plant growth promoting traits by *Rhodococcus pyridinivorans* NT2: Identification and toxicological analysis of metabolites and proteomic insights. *Biocatalysis and Agricultural Biotechnology,* Doi: 10.1016/j.bcab.2016. 08.004. Impact factor: 1.684, SNIP: 0.761; SJR: 0.478.
17. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2016) Statistical modeling and optimization of culture conditions by response surface methodology for 2,4- and 2,6-dinitrotoluene biodegradation using *Rhodococcus pyridinivorans* NT2, *3 Biotech*, DOI:10.1007/s13205-016-0468-9 (Impact Factor: 0.99)
18. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2016) Enhanced Degradation of 4-Nitrotoluene by *Rhodococcus pyridinivorans* NT2: multivariate optimization of process parameters and evaluation of biokinetic parameters. *Environmental Engineering Science*, DOI: 10.1089/ees.2015.0523 (IFactor: 1.48).
19. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2016) Bioremediation potential of *Rhodococcus pyridinivorans* NT2 in nitrotoluene-contaminated soils: the effectiveness of natural attenuation, biostimulation and bioaugmentation approaches, *Soil and Sediment Contamination: An International Journal,* DOI:10.1080/15320383.2016.1190313 (Impact Factor: 1.19).
20. Kiran Marathe, **Ambalal Chaudhari**, Kirtee Kamalaja and Vijay Maheshwari (2016) Magnesium dependent proteinaceous protease inhibitor with pesticidal potential from alkali-halotolerant *Streptomyces spp.:* Optimization of production using statistical tools. *Biocatalysis and Agricultural Biotechnology,* 5:58-68. doi.org/10.1016/j.bcab.2015.11.007 (IF: 1.3; SNIP: 0.901; SJR: 0.440).
21. Ulhas Patil, Narendra Mokashe and **Ambalal Chaudhari** (2016) Detergent compatible, organic solvent tolerant alkaline protease from *Bacillus circulans* MTCC 7942: Purification and characterization. *Preparative Biochemistry and Biotechnology*, 46(1):56–64 (Taylor & Francis Journal, IF 0.911), (DOI:10.1080/10826068.2014.979205).
22. Bhagyashri Dandi, Navin Dandi, **Ambalal Chaudhari** and Sudhir Chincholkar (2015) Biodegradation of high gravity distillery effluent using microbes from different ecological habitats. *Environ. Eng. Manag. J.* 14(12): 2871-2880, (*Impact Factor 1.004).*
23. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2015) Biodegradation of 2,4-dinitrotoluene with *Rhodococcus pyridinivorans* NT2: Characteristics, kinetic modeling, physiological responses and metabolic pathway. *RSC Advances*, 5: 38818 - 8829, DOI:10.1039/C5RA02450A (Impact factor 3.84).

24. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2015) Isolation, screening and assessment of microbial isolates for biodegradation of 2, 4-and 2, 6-dinitrotoluene. *International Journal of Current Microbiology and Applied Sciences,* 4 (1): 564-574.

25. Narendra Mokashe, Ulhas Patil and **Ambalal Chaudhari** (2015) Optimal production and characterization of alkaline protease from newly isolated halotolerant *Jeotgalicoccus spp*. *Biocatalysis and Agricultural Biotechnology*, 4(2): 235–243. (DOI: 10.1016/j.bcab.2015.01.003) (IF: 1.3; SNIP: 0.901; SJR: 0.440).

26. Chinmay Hazra, Debasree Kundu and **Ambalal Chaudhari** (2015) Lipopeptide biosurfactant from *Bacillus clausii* BS02 using sunflower oil soap stock: evaluation of high throughput screening methods, production, purification, characterization and its insecticidal activity, *RSC Advances*, 5: 2974-2982 (Impact Factor: 3.84).

27. Debasree Kundu, Chinmay Hazra, Aniruddha Chatterjee, **Ambalal Chaudhari** and Satyendra Mishra (2014) Extracellular biosynthesis of zinc oxide nanoparticles using *Rhodococcus pyridinivorans* NT2: multifunctional textile finishing, biosafety evaluation and *in vitro* drug delivery in colon carcinoma, *Journal of Photochemistry and Photobiology B*:140: 194-204 (Impact Factor: 3.133; SNIP: 1.250; SJR: 0.721) .

28. Debasree Kundu, Chinmay Hazra, Aniruddha Chatterjee, **Ambalal Chaudhari** and Satyendra Mishra (2014) Biopolymer and biosurfactant-graft-calcium sulphate/polystyrene nanocomposites: thermophysical, mechanical and biodegradation studies, *Polymer Degradation and Stability*, 107: 37-52 (IF 3.722; SNIP: 1.856; SJR: 1.201).

29. Chinmay Hazra, Debasree Kundu, Aniruddha Chatterjee, **Ambalal Chaudhari** and Satyendra Mishra (2014) Poly(methyl methacrylate) (core)-biosurfactant (shell) nanoparticles: Size controlled sub-100 nm synthesis, characterization, antibacterial activity, cytotoxicity and sustained drug release behavior. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 449: 96-113 (IF: 2.832; SNIP: 1.219; SJR: 0.793)

30. Chinmay Hazra, Sarang Bari, Debasree Kundu, **Ambalal Chaudhari**, Satyendra Mishra and Aniruddha Chatterjee (2013) Ultrasound-assisted/biosurfactant-templated size-tunable synthesis of nano-calcium sulfate with controllable crystal morphology. *Ultrasonics Sonochemistry*, 21: 1117-1131 (IF: 4.321; SNIP: 2.075; SJR: 1.429).

31. Debasree Kundu, Chinmay Hazra, Navin Dandi and **Ambalal Chaudhari** (2013) Biodegradation of 4-nitrotoluene with biosurfactant production by *Rhodococcus pyridinivorans* NT2: metabolic pathway, cell surface properties and toxicological characterization. *Biodegradation*, 24: 775-793 (IF: 2.336;).

32. Ulhas Patil and **Ambalal Chaudhari** (2013) Production of alkaline protease by solvent-tolerant alkaliphilic *Bacillus circulans* MTCC 7942 isolated from hydrocarbon contaminated habitat: Process parameters optimization. *ISRN Biochemistry*. doi: 10.1155/2013/942590.

33. Debasree Kundu, Chinmay Hazra, and **Ambalal Chaudhari** (2013) Bioremediation of nitroaromatics (NACs)-based explosives: Integrating '-Omics' and unmined microbiome richness. In: *Biological Remediation of Explosive Residues, Environmental Science and Engineering*, S. N. Singh (ed.), DOI: 10.1007/978-3-319-01083-0_9, Springer International Publishing, Switzerland, pp. 179-199.

34. P. C. Suryawanshi, A. Satyam, M. R. Patil, **A. B. Chaudhari** and R. M. Kothari (2013) Integrated strategy to enhance biogas production from mango peel waste. *Global NSET* 15 (4): pp 568-577 (IF: 0.66; SNIP:).

35. M. N. Chavan, N. D. Dandi, M.V. Kulkarni and **A. B. Chaudhari** (2013) Biotreatment of melanoidin-containing distillery spent wash effluent by free and immobilized *Aspergillus oryzae* MTCC 7691. *Water, Air and Soil Pollution*, 224:1755. DOI 10.1007/s11270-013-1755-2. *Impact Factor 1.74*

36. P.C. Suryawanshi, K.A. Jain, T.Y. Yeole, and **A. B. Chaudhari** (2014) Biochemical pathways for biogas production and factors affecting the rate of methanogenesis. In: *Biotechnology: Microbial Biotechnology*, J. N. Govil (Executive editor), Studium Press LLC., USA, Vol. 3, pp. 505-530.

37. **A. B. Chaudhari**, P. C. Suryawanshi and R. M. Kothari (2012) Microbial aspects of anaerobic digestion for biogas production In: *Bioremediation: Biotechnology, Engineering and Environment Management*. Alexander C. Mason (Ed.), Chapter 12, Nova Publishers, Inc. USA (ISBN: 978-1-61122-730-7), pp. 363-382.

38. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2012) Microbial degradation of nitro-toluenes and their derivatives: progresses, challenges and opportunities. In: *Bioremediation: Biotechnology, Engineering and Environment Management*. Alexander C. Mason (Ed.), Nova Publishers, Inc. USA (ISBN: 978-1-61122-730-7), pp. 1-64.

39. M.S. Kadam, **A. B. Chaudhari** and S.B. Chincholkar (2012). Optimal pyoverdin-CPG composites for development of an optical biosensor to detect iron. *Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology* 6(3): 249-254. *Impact Factor 1.8*

40. Chinmay Hazra, Debasree Kundu, **Ambalal Chaudhari** and Tushar Jana (2012) Biogenic synthesis, characterization, toxicity and photocatalysis of zinc sulfide nanoparticles using rhamnolipids from *Pseudomonas aeruginosa* BS01 as capping and stabilizing agent. *J Chem Technol Biotechnol* 88(6): 1039-1048. *Impact Factor 2.5*
41. Chinmay Hazra, Damodaran Arunbabu, Debasree Kundu, **Ambalal Chaudhari** and Tushar Jana (2012) Biomimetic fabrication of biocompatible and biodegradable core-shell polystyrene/biosurfactant bionanocomposites for protein drug release. *J Chem Technol Biotechnol* 88: 1551–1560. *Impact Factor 2.5*
42. N. D. Dandi, B. N. Dandi and **A. B. Chaudhari** (2012) Bioprospecting of thermo- and osmo-tolerant fungi from mango pulp-peel compost for bioethanol production. *Antonie Leeuwenhoek, 103 (4): 723 -236* (DOI:10.1007/s10482-012-9854-4). *Impact Factor 2.091*
43. A. K. Yadav, **A. B. Chaudhari** and R. M. Kothari. (2011) Bioconversion of renewable resources into lactic acid: an overview. *Critical Reviews in Biotechnology,* 31(1): 1-19. *Impact Factor: 7.178*
44. Chinmay Hazra, Debasree Kundu, Payal Ghosh, Shripad Joshi, Navin Dandi and **Ambalal Chaudhari** (2011) Screening and identification of *Pseudomonas aeruginosa* AB4 for improved production, characterization and application of a glycolipid biosurfactant using low-cost agro-based raw materials. *J Chem. Technol. Biotechnol.* 86(2):185-198. *Impact Factor: 2.5*
45. Chinmay Hazra, Debasree Kundu and **Ambalal Chaudhari** (2011) Biosurfactant assisted bioaugmentation. In: *Microorganisms in Environment.* Johri, B. N., Satyanarayana, T. N. and Prakash, A. (Eds.), Springer Publishers, Germany, pp. 631-664.
46. **Ambalal B. Chaudhari**, Navin D Dandi, Nilesh C. Vadnere, Ulhas K. Patil and Sudhir B. Chincholkar (2011) Bioethanol: a critical appraisal. In: *Microorganisms in Sustainable Agriculture and Biotechnology*. Satyanarayana, T., Johri, B. N. and Anil Prakash. Springer Publishers, Germany, pp. 793-824.
47. A. K. Yadav, N.K. Bipinraj, **A. B. Chaudhari** and R. M. Kothari (2011) Production of L(+) lactic acid from sweet sorghum, date palm, and golden syrup as alternative carbon sources. *Starch/Stärke*, 63(10): 632-636. *Impact Factor: 1.677.*
48. P.C.Suryawanshi, **A.B.Chaudhari** and R. M. Kothari. (2010) Thermophilic anaerobic digestion: most desired option for waste treatment in near future. *Critical Reviews in Biotechnology* 30 (1): 31 - 40. *Impact Factor: 7.178*
49. P. C. Suryawanshi, **A. B. Chaudhari** and R. M. Kothari (2010) Mesophilic anaerobic digestion: First option for waste treatment in tropical region. *Critical Reviews in Biotechnology*, 30(4): 259-82. *Impact Factor: 7.178*
50. Ulhas Patil and **Ambalal Chaudhari (2009)** Purification and characterization of solvent-tolerant, thermostable, alkaline metalloprotease from alkalophilic *Pseudomonas aeruginosa* MTCC 7926. *J Chem Technol Biotechnol*, 84 (9):1255-1262. *Impact Factor: 2.5*
51. Pradip C. Suryawanshi, Rajesh D. Kirtane, **Ambalal B. Chaudhari** and Ramanlal M. Kothari (2009) Conservation and recycling of pomegranate seeds and shells for value addition. *J Renew Sustain Energy,* 01: 103-107. *E-ISSN: 1941-7012*.(**Impact Factor:** 1.149)
52. Meenal Kulkarni and **Ambalal Chaudhari (2007)** Microbial remediation of nitroaromatic compounds: An overview. *J. Environ. Management,* 85: 496-512. *Impact Factor: 3.05*
53. Meenal Kulkarni, Ranjana Chaudhari and **Ambalal Chaudhari** (2007) Rhamnolipid: a novel tensio-active microbial compound for biocontrol application. In: *General concepts in integrated pest and disease management,* Ciancio, A. and Mukerji, K.G. (eds.), Chapter 12, Springer, The Netherlands, pp. 61-70.
54. R. P. Patil, **A.B. Chaudhari**, P.S. Mendki, V.L. Maheshwari and R.M. Kothari (2006) Soybean as a Cinderella crop for enhanced soil fertility and human health. In: *Focus on Plant Agriculture-I: Nitrogen Nutrition in Plant Productivity*, Singh, R.P., Shankar, N. and Jaiswal, P.K.(eds.), Chapter 11, Studium Press, LLC, Texas, USA, pp 351-379 (ISBN:1-933699-00-00).
55. Meenal Kulkarni and **Ambalal Chaudhari** (2006) Biodegradation of *p*-nitrophenol by *P. putida. Bioresource Technology,* 97: 522- 528. (Impact Factor: 5.33; SNIP: 2.013; SJR: 2.199*)*

National peer reviewed and Book Chapters (34)

1. Kalpana Jain, Pradeep Suryawanshi and Ambalal Chaudhari (2020) Recovery of acerbic anaerobic digester for biogas production from pomegranate shells using organic loading approach, *Indian Journal of Biochemistry and Biophysics*, 57(1): 86-94 (UGC CARE Listed; Impact Factor: 1.918; SJR: 0.253).

2. Marathe Kiran, Pandit S, **Chaudhari A B** and Maheshwari V L (2015) Screening of alkaliphilic salt tolerant actinomycetes from alkaline soda lake for protease inhibitor activity. *Advances in Pharmacology and Toxicology*, 16 (2): 39-47.
3. Suryawanshi, P. C., Jain, K. A., Bhardwaj, S., **Chaudhari, A. B.** and Yeole, T. Y. (2013). Solid and liquid wastes: Avenues of collection and disposal. *Int. Res. J. Environ. Sci.,* 2(3): 74-77.
4. Suryawanshi, P. C., **Chaudhari, A. B.,** Bhardwaj, S. and Yeole, T. Y. (2013). Operating procedures for efficient anaerobic digester operation. *Res. J. Animal, Veterinary Fishery Sci.,* 1(2): 12-15.
5. P.C. Suryawanshi, **A.B. Chaudhari** and RM Kothari. (2011) Why digesters exclusively fed with cattle dung did not sustain in biogas production? In: *Biofuels: Challenges and sustainability issues, Biofuels: Potential and Challenges*. Pandey, A.K. (Ed.), Scientific Publishers, Jaipur (ISBN: 9788172333967) pp 155-162.
6. U. K. Patil and **A. B. Chaudhari** (2011) Optimal production of alkaline protease from newly isolated solvent tolerant alkalophilic *Pseudomonas aeruginosa* MTCC 7926. *Indian J Biotechnol,* 10: 329-339. *Impact Factor: 0.47*
7. Chinmay Hazra, Debasree Kundu and **Ambalal Chaudhari** (2010) Biosurfactants: an economical and eco-friendly sustainable tool for global food security. In: *Global Food Security: Concerns and Remedies*, Joshi, S., Narkhede, S. and Dongre, A. (Eds.), Himalaya Publishing House, Maharashtra (ISBN: 978-81-8488-689-4)
8. P.C. Suryawanshi, **A. B. Chaudhari** and R.M. Kothari (2010) Studies on bi-phasic biomethanation of spoiled mango puree. *Indian J Biotechnol,* 9: 308-312. *Impact Factor: 0.47*
9. Debasree Kundu, Chinmay Hazra and **Ambalal Chaudhari** (2010) Biosurfactant-augmented biodegradation of nitroaromatics. *J Adv. Sci. Technol*., 13(2): 79-83.
10. R.D. Shelar, N.D. Dandi, B.N. Dandi and **A. B. Chaudhari** (2010) Isolation and screening of di-nitrogen fixing microbes from extreme habitats*. J Adv. Sci. Technol*., 13(2): 1-7.
11. B. N. Dandi, N. D. Dandi, R. D. Shelar, A. B. Chaudhari and S.B. Chincholkar (2010) Biological decolorization of high concentration distillery spent wash using newly isolated microbial strains. *J Adv. Sci. Technol.*, 13(2): 73-78.
12. R D Kirtane, P C Suryawanshi, M R Patil, **A B Chaudhari** and R M Kothari. (2009) Optimization of organic loading rate for different fruit wastes during biomethanization. *J. Sci. Ind Res.*, 68: 252-255. *Impact Factor: 0.50*
13. Ulhas Patil and **Ambalal Chaudhari** (2009) Enzymatic biocatalysis in organic solvents: a novel approach for green chemistry. In: Biotechnology Emerging Trends, Sayyed, R. Z. and Patil, A. S. (eds.), Scientific Publishers (India), Jodhpur, pp 385 -399.
14. **A. B. Chaudhari** and R.M. Kothari (2009) Soil conditioners as a pivotal biotech input for integrated farming and contingency income. In: A Text Book of Molecular Biotechnology, Ashok Chauhan and Ajit Varma (eds.), Chapter 21, I. K. International Publishing House Pvt. Ltd., New Delhi, pp. 483-505.
15. AK Yadav, **AB Chaudhari** and RM Kothari (2009) Enhanced viability of *Bacillus coagulans* after spray drying with Ca-lactate, storage and rehydration. *Indian J Chem Technol.*, 16: 519 - 522. *Impact Factor: 0.62*
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18. Ulhas Patil and **Ambalal Chaudhari (2008)** Detection of protease production by plate assay, submerged culture and solid state fermentation: statistical comparison and significance. *J. Pure Appl. Microbiol.*, 2(2): 437-442. *Impact Factor: 0.05*
19. **A. B. Chaudhari**, N.V. Phirke, M.G. Patil, S.K. Talegaonkar and R.M. Kothari (2007) Biofertilizers and soil conditioner for organic farming. In: *Biofertilizers*, Trivedi, P.C. (ed.), Pointer Publishers, Jaipur, pp 39-89.
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21. Meenal Kulkarni and **Ambalal Chaudhari** (2006) Efficient *Pseudomonas putida* for rapid degradation of *p*-nitrophenol. *Indian J Biotechnol.*, 05: 411-415. *Impact Factor: 0.47*

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23. Yadav, K.R., Patil, R. P., **Chaudhari, A. B**., Sharma, R.K. and Kothari, R,M. (2005) preservation of bagasse using microbial growth/ enzyme inhibitors as biotech preservatives. *Indian J. Chem. Technol.,* 12: 528-533.

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25. Patil, M.G., Patil, R.P., **Chaudhari, A. B.** and Kothari, R.M. (2004) Phosphate solubilizing microbes (PSMs) for phosphate metabolism and soil fertility. In: *Biotechnological Applications in Environment and Agriculture*, Pathade, G.R. and Goel, P.K. (eds.), ABD Publ., Jaipur, pp. 58 - 117.

26. Yadav, K.R., **Chaudhari, A. B**., Sharma, R.K. and Kothari, R.M. (2004) Preservation of bagasse by an alternative cost-effective and eco-friendly approach. *Indian J. Chem. Technol.,* 11:626-631. *Impact Factor: 0.62*

27. Jobanputra, A.H., Patil, G.D., Sayyad, R.Z., Patil, B. B., **Chaudhari, A. B.** and Chincholkar, S.B. (2003) Microbial transformation of rifamycin: A novel approach to rifamycin derivatives. *Indian J. Biotechnol.* 2: 370–377. *Impact Factor: 0.47*

28. Chaudhari, A. B., Talegaonkar, S.K. and Chincholkar, S.B. (2002) Studies on effect of sterols on ethanol production by *Schizosaccaharomyces* Y11. *J. Food Sci. Technol.* 39: 48 - 53. *Impact Factor: 1.12*

29. Rasalkar, A.A., Salunke, B.K., Sayyed, R.Z., **Chaudhari, A.B.** and Chincholkar, S.B. (2002) Solid state cultivation of *Curvularia lunata* for transformation of Rifamycin B to S. *Indian J. Expt. Biol.,* 40: 930-933. *Impact Factor: 1.19*

30. Patil, M.V., Albert, J.S.M. and **Chaudhari, A. B.** (2002) Biodegradation of p-nitrophenol. In: Recent Trends in Biotechnology, Hari Kumar, V.S. (Ed.,) Agrobios , India (ISBN: 81-7754-157-9) Section IV, Chapter 30, pp .

31. Chaudhari, A. B., Sharma, R.K., Kothari, R.M. and Patil, S.F. (2001) Some aspects of pollution in pulp and paper industry: Indian Scenario. In : *Environmental Pollution and Management of Wastewater Treatment by Microbial Technique,* Pathade, G. R and Goel, P. K. (eds.), ABD Publ., Jaipur, pp. 1- 43.

32. Patil, M. G., Sayyed, R.Z., **Chaudhari, A. B**. and Chincholkar, S.B. (2001). Phosphate solubilizing microbes: A potential bioinoculant for efficient use of phosphate fertilizers. *Bioinoculant for Sustainable Agriculture and Forestry,* Reddy, S.M., Reddy, S.R., Sihgarachary, M.A. and Girisham, S. (eds.), Scientific Publ., Jodhpur, pp 107 - 118.

33. Chaudhari, A. B. and Chincholkar, S.B. (1999) New osmotolerant *Schizosaccharomyces* for ethanol production. *J. Food Sci. Technol*., 36: 166-169. *Impact Factor: 1.12*

34. Chaudhari, A. B. and Chincholkar, S.B. (1996) Cell immobilization: A critical approach to ethanol production by *S. cerevisiae* and *Schizosaccharomyces pombe. Indian J. Microbiol.,* 36: 75-83. *Impact Factor: 0.45*

☞ Educational Publication (01)

1. Chaudhari, A.B., Sharma, R.K., Kothari, R.M. and Patil, S.F. (2001) Value crisis in research in Indian Universities. In : *Supervision of Research in Universities,* Powar, K. B. and Shafi, Z. S. (eds.), Association of Indian Universities, New Delhi, pp. 28-38.

☞ Booklet (01)

1. A.B. Chaudhari and R.M. Kothari (2004) Organic manure: A Vital Bioresource for Sustainable Agriculture. Jain Irrigation Systems Ltd., Jalgaon, pp. 1-99.

☞ Technical Research Notes for Pratishta Biotech Ltd., Secunderabad (02)

1. Chaudhari, A.B., Sharma, R.K. and Kothari, R.M. (2000) Value added starch derivatives through biotech processes.
2. Chaudhari, A.B., Sharma, R. K. and Kothari, R.M. (2000) Versatility of starches enabling make-to-order modifications for desired application through chemical route.

☞ Research Analysis:

Scopus Author ID (History- Jun 2016)	Publications in peer reviewed Journal/Book		Impact factor range	*h*-index	i 10 Index	Google Scholar Citations
	National	International				
7006736835 (1999 onwards)	34	54	0.5-7.171; average 1.0	21	37	1557

☞ Research projects completed (06) and ongoing (3)

Name(s)	Funding agency	Title of the project	Duration (Year)	Amount (Rs Lakhs)	Status
A.B Chaudhari *(Coordinator)*	DST, New Delhi	Fund for improvement of Science & Technology Infrastructure Program (FIST -2010) in Life Science for Level I	05	70.00	Completed
A. B Chaudhari (PI) and N.D. Dandi (Co-PI)	U.G.C., New Delhi	Studies on potential ethanologen(s) isolated from fruit-pulp compost for cost-effective ethanol production	02	10.171	Completed July 01, 2012
N.D. Dandi (PI) and A.B Chaudhari (Co-PI)	U.G.C., New Delhi	Biotechnological investigation of chitosan production by *Rhizopus* sp. from cost effective lignocellulosic agricultural residue(s)	02	5.475	Completed July 01, 2012
S. B. Chincholkar (PI) & A. B Chaudhari (Co-PI)	DST, New Delhi.	Development of a fluorescence based biosensor for detection of iron	March, 2008-10	21.22	Completed
A. B Chaudhari	UGC, New Delhi	Effect of sterols from cost-effective and eco-friendly sources for improving ethanol productivity	2000 (Minor research)	0.17	Completed
A.B Chaudhari (PI) and N.D.Dandi (Co-PI) (Indo-Russia Joint project program)	DBT, New Delhi and IBPM, RAS Moscow	New generation nanomaterial and PGPR based bioformulation for yield and nutritional improvement of crops	2014-16	62.384	Completed
N.D.Dandi (PI), A.B.Chaudhari (CoPI), B.L. Chaudhari	NASI, New Delhi	Community based training to ST youths on biomass conversion and utilization for sustainable agriculture, green energy and biotechnology	2018 - 2020 (Extended 2021)	8.344	Ongoing 24.11. 2018 (Workshops: 2 organized)
A.B. Chaudhari (Project Coordinator) S.T Bendre (PI), H. Tidake, J. Bange, K. S. Vishwakarma (Co-PI)	RGSTC, Mumbai (RGSTC/ file-2018/ DPP-193/ CR-29	Cillage Based Area Development project (CADP) at Nandurbar (Collaboration with BAIF, Pune; MKCL, Pune; HSS-KVK, Nandurbar)	2019 - 2021	1395.00	Operational from 18.6.19
N.D.Dandi (PI), A.B.Chaudhari (CoPI)	RGSTC, Mumbai	Low Cost plant growth promoting *Pseudomonas* spp. agri input production and post harvest preservation of oilseeds	10 March 2020 - 31 March 2022	5.00	Ongoing (25.02.2020)

☞ Consultancy Projects:

Sr. No.	Particulars	Beneficiary	Period (Year)	Amount (Rs. Lakhs)
1.	Consultancy services for providing time tested microbial inoculants	*Jain Group of Industries, Jalgaon*, KVK, Pal and to farmers of this region	2001 (04)	~ 05.50
2.	Arial microbial analysis of Ganesha cave at Ellora for evaluating fumigation treatment trails as per Archeological Society of India (Lett. No. 3/S4/0809/W-185, March 13th, 2009)	*Archeological Society of India, Govt. of India*	0.6	0.04
3.	A process know-how (First phase, 04 trials, each of Rs. 10,000/-) for the production of an antibiotic (Rifamycin B to S) at 50 L scale using *Curvularia lunata* for a multinational company as a part of technology transfer	*Sandoz Pvt. Ltd., Mumbai*	01	0.40
4.	Microbial analytical services	*M/s. Nirmal Seeds, Pachora, Dist. Jalgaon*	2008-11	0.11
5.	Microbial content of compost samples	*M/s. Naturally Yours Biotech, Jalgaon*	2013-14	01.00
Total revenue earned (Rs. Lakhs)				07.05

☞ Scientific collaborators:

Collaborating Institute	Particulars	Funding agency	Duration	Name of the collaborators	Outcome
Mahatma Gandhi Institute of Rural Industrialisation (MGIRI), Wardha	Scale up studies of biosurfactant and its application as biocleaner in cosmetics	--	Oct. 17, 2011 to Nov. 04, 2011	M.G.I.R.I, Wardha,	Scale up process to 50 L
University of Hyderabad, Hyderabad	Applications of microbial surfactants in polymer and metal nanoparticles synthesis	U.G.C-N.R.C	April- June, 2011	Dr. Tushar Jana School of Chemistry	02 : Research papers (International)
U.I.C.T., NMU, Jalgaon	Biosurfactant-assisted synthesis of nanoparticles	--	April, 2013 onwards	A. B. Chaudhari, A. Chatterjee & S. Mishra	04 : Research papers (International) + 02 Patents (01 Granted)
Institute of Biochemistry and Physiology of Microorganisms, RAES, Pushino, Moscow, Russia	New generation nanomaterial and PGPR based bioformulation for yield and nutritional improvement of crops	DBT, New Delhi	November 3, 2014	Dr. Vladimir Kochetkov, Tatiana	02 : Research papers (International)

☞ Memberships

- Life Member, Maharashtra Academy of Sciences (30th Oct., 2015 Onward; ELF 1007)
- Life Member, Biotechnology Society of India (2003- to date)
- Life Member, NMU Alumni Association, NMU Jalgaon (2000)
- Life Member, Global Biotech Forum, Nagpur (2011 onward)
- Member on UGC Expert Panel for Autonomous Status to G.H. Raisoni Institute of Business Management, Jalgaon (13 - 14March, 2020)
- Member (Nominated) on Management Council from amongst Deans with effect from June 2019.

- Member (Nominated) on Management Council from amongst Heads or Directors of University Departments or University institutions for a tenure of one year with effect from 16 February, 2019 (as per 30 (4) (e))
- Member (Nominated), Academic Council, KBCNMU, Jalgaon (2016 -2018)
- Member (Nominated), Academic Council, G.H. Raisoni Institute of Business Management, Jalgaon (2021)
- Chairman, BoS in Life Sciences, KBCNMU.Jalgaon (2018- July 2019)
- Member, BoS in Microbiology, University of Pune, Pune (2011-2015)
- Member, Research and Recognition Committee (RRC) in Life Sciences, KBCNMU, Jalgaon (29.11.2018),
- Member, Research and Recognition Committee (RRC), Dr. B.A.M.U., Aurangabad (June, 2013 -2015) and 2018 onward)
- Member External Expert, Research and Recognition Committee (RRC) in Microbiology, Mumbai University, Mumbai (2021 onward)
- Member, Institutional Biosafety Committee (IBSC), North Maharashtra University, Jalgaon
- Member, Jalgaon Jilha Biodiversity Management Committee, Jalgaon (Govt. of Maharashtra)
- Member, NMUCTO (North Maharashtra University College Teachers Organization), Jalgaon
- Member, BUTR (Faculty of Science), Nov. 2, 2007-2011; 2014 to date
- Member, Maharashtra Gene Bank, Feb. 19, 2008

☞ Administrative work experience

- **Dean**, Faculty of Science and Technology, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (29 May 2019 to 08 March, 2021).
- **Officiating Director**, Examinations and Evaluation, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (08 January to 05 October, 2018).
- **Officiating Vice Chancellor**, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (October 7 - 16, 2018).
- **Co-ordinator, NAAC team,** Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (October, 2018 to June 2019)
- **Officiating Registrar**, North Maharashtra University, Jalgaon (June- December, 2012 and January 9 to October 5, 2017 and 15 March to 26 March, 2021 and 29 July to 13 September, 2021).
- **Head**, Department of Microbiology, School of Life Sciences, North Maharashtra University, Jalgaon (Oct., 2007 till Oct., 2011 and March 21, 2014 to 29.07.2019).
- **Head in-charge**, Dept. of Microbiology, PSGVP Mandal`s ASC College, Shahada (July 1989 to June 1999).
- ***External expert*** for the Academic Audit of the School of Biotechnology and Bioinformatics, D.Y. Patil University, Navi Mumbai on June 26, 2015
- **Director,** Tribal Academy, Nandurbar (NMU/3/373/2017; 03/04/2017), April 2017 till date.
- **Director,** Institute of Distance Education and Learning (NMU/3/1245/2017;26.10.2017) now, Department of External Education and Learning (DEEL), Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (26 October 2017 till date).
- **In-charge Director,** Student Development and NSS (KBCNMU/3/1538/2018; 15/11/2018) for Nov. 16 – Dec. 10, 2018
- **Coordinator,** Indira Gandhi National Open University, Study Centre 1611, KBCNMU, Jalgaon (December 2016 till date).

☞ Participation in Specialized Training Courses

- Training on ethanol production, National Chemical Laboratory, Pune (December 1-28, 1993).
- **UNESCO Regional Training Course in "Food safety through Newer and Advanced Biotechnological Approaches",** at Central Food Technological Research Institute (CFTRI), Mysore (January 15-30, 2001).
- DST sponsored National Workshop on **Sensors and Instrumentation for Food Processing,** CFTRI, Mysore (January 9-21, 2006).
- Faculty Development Program on "*Advanced Concepts for Developing MOOCs"*, Ministry of HRD, Govt. of India and Ramanujan College, New Delhi, July 2-17, 2020 (Online).

☞ Participation in Professional Training Courses

- In-plant Training in Government Milk Scheme, Bombay, Bangalore, Karnal (1982).
- UGC Refresher Course on Molecular Biology and Biochemistry at University of Poona, Pune, (December 4-31, 1997).
- UGC Refresher Course in Biochemistry at University of Poona, Pune (November 3-30, 1999).
- UGC refresher course in Environmental Sciences at Department of Environmental Sciences, University of Pune, Pune (December 1-28, 2000).
- UGC Orientation course at Dr. B. A. Marathwada University, Aurangabad (May 3-30, 2001).

☞ Conferences/workshops/seminar organized:

Sr. no.	Title	Convener/ Org. secretory	Funding support	Duration
1.	Workshop for farmers on Biotechnology for Agriculture and poster exhibition	A.B. Chaudhari/P.R. Puranik	S &T cell, Govt. of Maharashtra	Mar.09, 2004
2.	Recent Trends in Agro-biotechnology	A.B. Chaudhari (**Convener)**	UGC-SAP-DRS	Feb. 20, 2008
3.	Recent Trends in Abiotic Stress	A.B. Chaudhari **(Co-Convener)**	UGC New Delhi	Mar. 14, 2008
4.	NET and SLET coaching programme	A.B. Chaudhari (**Subject Co-ordinator**)	UGC, New Delhi	May, 5 - June, 5 2008
5.	GM Crops: Issues status and Awareness (Seminar)	V.L. Maheshwari/ A.B. Chaudhari **(Org. secretary)**	USDA, USA, and ICMR, DAE, DBT, UGC, CSIR, New Delhi	Jan. 20-21, 2009
6.	Seminar on Agro-biotechnology (Seminar)	A.B. Chaudhari/ N.D. Dandi	UGC-SAP	Mar. 5-6, 2010
7.	Workshop on 'Hands-on training: bioinstrumentation" for M.Sc. II (BT/BC/MB)	A.B. Chaudhari **(Organizer)**	-----	July 30-31, 2010
8.	Global Sustainable Biotech Congress' (GSBC)-2014; International Conference	V.L. Maheshwari / A.B. Chaudhari **(Organizing secretary)**	DBT, New Delhi, Global Biotech Forum, Nagpur, CETYS University, Mexico; UGC, New Delhi	December 1-5, 2014

☞ Contribution to University/School/Department:

- *Plantation of teak (~1 Lac)* and *eucalyptus* on N. M. University campus through production and application of microbial inoculants for barren soil amendment to improve vitality and its maintenance through drip irrigation, weeding for vigor and growth for 05 years (1999 - 2002).
- *Large scale cost effective production of biofertilizers* for farmers of North Maharashtra region (since 2001) and earned revenue of Rs. 5.44 lakhs for the university.
- *Subject expert* on panel of examiners, Maharashtra Public Service Commission (MPSC), Mumbai (Ref: 2265/18/P9-303 dt 8/1/02) and Examiner (paper setter)- Microbiology for Maharashtra Public Service Commission (MPSC), Govt. of Maharashtra, Mumbai (Ref: 2253/1477(2)2003/11, dt. 06.10.2004).
- *CAP-officer* for B.Sc. and M.Sc. Central Assessment Programme (Dec., 2006 and Mar., 2007).
- *Director in-charge*, School of Life Sciences (during May, 30- June 14, 2008)
- Prepared evaluative report of the School of Life Sciences for NAAC reaccreditation.
- *Asst. Director* for *Central Assessment Programme (CAP)* of North Maharashtra University, Jalgaon during March/April/May Examination (May-July, 2009).
- *Coordinator*, Examination committee under academic flexibility of CGPA system in the School of Life Sciences.
- *Observer* for M.Sc. Admission in Microbiology, Biotechnology, Botany in affiliated colleges through centralized admission system.
- *Chairman,* M.Sc. Admission in affiliated colleges through centralized admission system (2020-2021)
- Complete comprehensive report on development of Science departments made out of BSR grants for university website display in the prescribed format from Director, BCUD.
- Confidential work about Paper setting (Microbiology) for B.Sc., M.Sc., M. Phil and Pre-Ph.D. entrance test.

- Comprehensive report (criteria I to VII) of School of Life Sciences for N.A.A.C. assessment (2009-2014).
- Expert Member, Academic Audit Committee, School of Biotechnology and Bioinformatics, D. Y. Patil University, Navi Mumbai
- Member Expert, ISBC, Nirmal Seeds Pvt., Ltd., Pachora (July, 2015)
- Observer for SET (2015; 2021) and JEE (2016) Examinations

☞ Participation in conferences / symposia / seminars and publications in proceedings

1. Chaudhari, A. B., Paranjape, S.D., Sachdev, R.S. and Chopade, B.A. (1989). The occurrence of *A. calcoaceticus* in raw milk. AMI Conf., Hissar.
2. Chaudhari, A.B., Paranjape, S.D., Sachdev, R.S. and Chopade, B.A. (1989). Studies on *Acinetobacte*r from milk from India. FEMS Acinetobacter Workshop, Pasteur Institute, Paris (France).
3. Chaudhari, A. B. and Chincholkar, S. B. (1996) New osmotolerant yeast *Schizosaccharomyces* for ethanol production. Natl. Symp. Recent Trends Biochem. Biotechnol. Fungi, Osmania University, Hyderabad.
4. Chaudhari, A. B. and Chincholkar, S.B. (1997). Influences of ternary (sterol-lipid-protein) complex to enhance ethanol tolerance in yeast.*Natl. Symp. Recent Trends in Biotechnol. of Yeast and Fungi*, North Maharashtra University, Jalgaon.
5. Baviskar, M.V., Barjibhe, R.B. and Chaudhari, A.B. (2000) Studies on antibiotic resistant, metal tolerant and thermotolerant coliforms from Tapi river water at Bhusawal. *Microbiology OU .com*, 18.
6. Patil, R.P., Borse, T.R., Chaudhari, A.B., Kothari, R.M. and Patil, S.F. (2000) Teak plantation using biotech inputs for financial self-reliance of North Maharashtra University. *Environ. Monitoring, Biodiversity and Conservation, pp* 1- 9.
7. Ambalal Chaudhari, Chinmay Hazra, Debasree Kundu and Payal Ghosh (2010) Lagat pravabhi krishi adharit saamagri ke upayog se *Pseudomonas aeruginosa* dwara utpadit glycolipidic biosurfactant ki sansleshan, visheshtaayein aur prayog. In: *Rashtriya Jaivya Prdyogiki Sangosthi, Vaigyanik Tatha Takniki Shabdabali Aayog*, New Delhi (23-24 February, 2010). pp. 28.