

## Prof. Bhushan Liladhar CHAUDHARI

Head, Dept. of Microbiology, School of Life Sciences  
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon  
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**Education Qualification:** Ph.D. Microbiology

**Teaching Experience:** 20 years

Actively engaged in in teaching, research and co-curricular activities

**Area of Research/Expertise:** Microbial Biotechnology (Probiotics, Biotransformation, siderophores)

**Awards/Fellowships/prizes received:**

- i. Recipient of **DAAD Fellowship, Germany** (German Academic Exchange Programme) for research at Universitat des Saarlandes, Saarbrucken, Germany. 01.07.1998 to 30.11.1998.
- ii. Recipient of **JSPS Fellowship, Japan** (Japan Society for Promotion of Science) fellowship to pursue research at National Food Research Institute, Tsukuba Science City, Japan. 01.03.2002 to 29.02.2004.
- iii. Recipient of **Bridge Fellowship, Japan** to pursue research at National Agriculture and Food Research Organization, Tsukuba Science City, Japan. 20.08.2012 to 01.10.2012.
- iv. Elected as **Fellow, Maharashtra Academy of Sciences (ELF1033)** for significant contribution in the field of Life Sciences on 9<sup>th</sup> Nov., 2016 at NCL, Pune.
- v. Selected to receive for the **“Award for patent”** from KBCNMU 2018-19.
- vi. Selected to receive the **“Research Award for Publication”** by KBCNMU for 2018-19.
- vii. Selected to receive the **“Best Teacher Award”** by KBCNMU for 2018-19.

**Ph.D. Students Completed:**

Sr. No.	Name of the Student	Year of completion	Present job profile
1	Mrs. Priti N. Chaudhari	2011	Entrepreneur
2	Mr. Kanchankumar P. Patil	2010	Scientist 'D', National Institute of Virology, Pune
3	Mr. Nitinkumar P. Patil	2011	Asstt. Prof. at CHM College, Mumbai
4	Mr. Hemant J. Patil	2011	Entrepreneur
5	Mr. Jayesh J. Ahire	2013	Asstt. Manager (Sr.), R&D Executive, Tablets India,

6	Mr. Shrikant P. Pawar	2013	Hyderabad General Manager- R & D, Mylab Discovery Solutions, Pune
7	Mr. Deepak K. Patil	2014	Entrepreneur
8	Ms. Madhuri K. Pawar	2018	Young Scientist, Agharkar research Institute, Pune
9	Mr. Prashant R. Dane	2019	Manager, R & D, Ion Exchange India Ltd., Hyderabad
10	Mr. Sandip Prakash Patil	2019	Asstt. Prof. at R.C. Patel College, Shirpur
11	Mr. Narendra Mokashe (Co-guided)	2019	Asstt. Manager, R&D Executive, Tablets India, Hyderabad
12	Mr. Sandip N. Patil	2019	R & D Executive, UPL, Ltd., Mumbai
13	Mr. Jayasing S. Paradeshi	2018	Asstt. Manager, Anand Agro, Nashik
14	Mr. Lalit R. Chopade	2020	Res. Officer, Chaitanya Agro Biotech, Malkapur
15	Mr. Kiran Sharad Dalal	2019	Lecturer (CHB) at School Life Science KBCNMU Jalgaon

#### Ph.D. students on going:

Sr. No.	Name of the Student	Status
1	Mr. Mangal A. Chaudhari	On going

#### M. Phil. Students completed:

Sr. No.	Name of the Students	Year of completion
1	Ms. Bhavana V. Mohite	2009
2	Ms. Yogita M. Patil	2009

#### Research projects completed:

Sr. No.	Name of Investigator (with PI, Co-PI)	Title of project	Duration	Amount Sanctioned Rs. Lakhs	Funding Agency
1	Dr. Bhushan L. Chaudhari (PI & Co-ordinator)	#Bioprocess Development & Application of Laccase from <i>Basiodiomyces</i> sp. (#: A multi-institutional project with MJ College, Jalgaon & Codon BioSci., Goa)	03 years 2013	49.48	DBT New Delhi
2	Dr. Bhushan L. Chaudhari (PI)	Evaluation of probiotic cultures producing exo-polysaccharides bearing anti-oxidative properties	03 years 2010-13	7.30	UGC New Delhi
3	Dr. Bhushan L. Chaudhari (PI) Prof.SB Chincholkar (Co-ordinator)	Utilization of Biodiesel waste (raw glycerol) by <i>Pseudomonas</i> sp. for production of Phenazine antibiotics	03 years 2009-12	40.40	DBT, New Delhi
4	Dr. Bhushan L. Chaudhari (Co-ordinator)	DBT Popular Lecture	01 day 2007-8	0.35	DBT, New Delhi

5	Dr. Bhushan L. Chaudhari (PI) Prof.SB Chincholkar (Co-ordinator)	*Development of efficient probiotic to combat vit.B12, folic acid & iron deficiency	03 years 2006-9	29.75	DBT, New Delhi
6	Dr. Bhushan L. Chaudhari (Co-Investigator), Prof.SB Chincholkar (PI)	Expression of microbial iron chelators in fungus and wheat: A solution to global iron deficiency anemia	01 year 2006-7	2.00	DST-NSF (Indo-American collaborative)
7	Dr. Bhushan L. Chaudhari (Co-Investigator), Prof.SB Chincholkar (PI)	Siderophore mediated iron value addition to wheat grains: A promising solution to global IDA	03 years 2005-8	33.85	DBT, New Delhi Lakhs
8	Dr. Bhushan L. Chaudhari (PI)	Screening of Actinomycetes producing economically important siderophores	01 year 2000-1	0.15	UGC, New Delhi
9	Dr. Bhushan L. Chaudhari (Co-ordinator), & Dr. A. B. Chaudhari	Sustainable approach for solid waste management (One Day Seminar)	01 year 2000-1	0.05	Ministry of Environment & Forests, New Delhi 01
10	Dr. Bhushan L. Chaudhari (Co-I), Dr. SB. Chincholkar (Co-I) &Prof. R. M. Kothari (PI)	Application of microbial iron chelators (siderophores) for improving the yield of groundnut.	03 years 1999-2002	6.33	ICAR New Delhi

### Research project on going

Sr. No	Name of Investigator (with PI, Co-PI)	Title of project	Duration	Amount Sanctioned	Funding Agency
1	BL Chaudhari as PI & Dr. Dipak Dalal as Co-PI	Value addition to kojic acid through biocatalysis	02+1 Years 2020 to 2023	5.00	RGSTC, Mumbai
2	BL Chaudhari as Co-PI & Dr. Vikas Gite as PI	Making bricks and paves from waste plastic	02+1 Years 2020 to 2023	5.00	RGSTC, Mumbai
3	Dr. Bhushan Chaudhari (Co-PI) Dr. A.B. Chaudhari (Co-PI) Dr. Navin D. Dandi (PI)	Community based training to ouths on biomass conversion and utilization for sustainable agriculture, green energy and biotechnology	02+1 years 2018 to 2021	8.33	National Science Academy, India

### Consultancy / Analytical services provided in last 5 years to:

Sr. No.	Name of company
1	Naturally Yours Biotech, Jalgaon
2	Mahindra & Mahindra Ltd., Nashik
3	UPL Ltd., Mumbai
4	Garware Polysters Ltd., Aurangabad
5	Nikhil Aquatech, Erandol, Jalgaon

### Scientific collaborators:

Sr. No.	Name & Institution
1	<b>Dr. Madhavan Nampoothiri K.</b> National Inst. for Interdisciplinary Science & Technology (NIIST) Industrial Estate, Trivandrum - 695019
2	<b>Prof. L. Ventateshwar Rao,</b> Then HEAD, Department of Microbiology, University College of Science, Osmania University, Hyderabad-500 007, A. P. India
3	<b>Dr. Ganesh Bathe</b> Asstt. Professor, University Institute of Chemical Tech., KBC-North Maharashtra University, Jalgaon Post Box 80, Jalgaon 425001
4	<b>Dr. Ketan Narkhede</b> Asst. Professor, & Head, Dept. of Microbiology MJ College, Jalgaon- 425002
5	<b>Dr. V. V. Gite</b> School of Chemical Sciences, KBC-NMU, Jalgaon

### Memberships.

- (i) Life Member of Biotech Research Society of India
- (ii) Life Member of Association of Microbiologist of India
- (iii) Life Member of Indian Science Congress Association, Kolkata
- (iv) Full Member of Association of Food Technologists of India, Mysore
- (v) Life Member of Probiotic Association of India, Karnal
- (vi) Life Member of Global Biotech Forum, Nagpur

### Administrative Work experience.

- (i) Member of Institutional Bio Safety Committee of North Maharashtra University, Jalgaon since 2015
- (ii) Co-ordinator, Central Training and Placement Cell, KBC-NMU, Jalgaon
- (iii) Member Secretary, IPR Cell, KBC-NMU, Jalgaon
- (iv) Co-ordinator, Lab-To-Land project, KBC-NMU, Jalgaon
- (v) Co-ordinator & Director, KCIL- Incubation Centre of KBCNMU, Jalgaon
- (v) Co-ordinator, Avishkar, 2018 of KBC-NMU, Jalgaon

## Patents filed & Granted:

1. Patil Deepak K., Chaudhari Bhushan L. & Chincholkar Sudhir B. (2010) "Biological production of phenazine -1-carboxamide from biodiesel waste" Patent Application No. 2512/MUM/2010 dated 13/09/2010 (Publication date: 02/12/2013 Journal No. 49/2013) Granted Patent No. 296887 on 18/05/2018
2. Bathe Ganesh A., Joshi Aniket K., Chaudhari Bhushan L., Patil Pritam B., Naik Jitendra B. (2016) "A method for measuring ethanol concentration in ethanol-water binary mixture" Filed Indian Patent Application No. 201621027062 dated 08.08.2016.
3. Patil Sandip P. and Chaudhari Bhushan L., (2016) "A medium composition, kit and a method for the detection of hyaluronidase and its inhibitor" Filed Indian Patent No. E-2/2649/2017/MUM on 06/12/2017
4. Chaudhari Bhushan L., Paradeshi Jayasinh S. Patil Sandip P. Chopade Lalit R., Chaudhari Prapti B. & Mishra Satyendra (2017) Nanoparticles enriched medium and a process for enhanced growth of a probiotic culture. Filed an Indian Patent No. 201721010650 on 26/03/2017.

## Research papers published

Citation indices as on 08.11.2021	Scopus	Google
Citations	764	1400
h-index	--	24
i10-index	18	35
Cumulative Clarivate Analytics Impact Factor	>100	--

## Peer reviewed journals

### Peer reviewed journals

1. Dalal, K.S., Tayade, Y.A., Wagh, Y.B., Dalal, D.S., & **Chaudhari, B.L.** (2021) Lipase mediated multicomponent synthesis of 1H-Pyrazolo [1, 2-b] phthalazine-5, 10-dione derivatives in binary solvent medium. **Biotechnology and Applied Biochemistry**. <https://doi.org/10.1002/bab.2264> Impact factor -2.431
2. Patil, M.P., Ahire, J.J., Patil, U.K., Bharat Bhushan, Chaudhari B.L. (2021) Effect of *Lactobacillus helveticus* CD6 on serum lipid profile and indicators of liver function in high-fat diet fed Swiss albino mice. **3 Biotech** 11, 266 (2021). <https://doi.org/10.1007/s13205-021-02832-6>. Impact Factor- 1.798
3. Dalal Kiran S., Chaudhari Mangal A., Dalal Dipak S. and **Chaudhari Bhushan L.** (2021) The first efficient biocatalytic route for the synthesis of kojic acid derivatives in aqueous media. **Catalysis Communications** (accepted on 1.2.21) 152 106289 <https://doi.org/10.1016/j.catcom.2021.106289> Impact Factor -3.612
4. Patil, C. K., Jirmali, H. D., Paradeshi, J. S., **Chaudhari, B. L.**, Alagi, P. K., Mahulikar, P. P., ... & Gite, V. V. (2021) Chemical transformation of renewable algae oil to polyetheramide polyols for polyurethane coatings. **Progress in Organic Coatings**, 151, 1-9, 106084. <https://doi.org/10.1016/j.porgcoat.2020.106084> Impact Factor 4.469
5. Patil Sandip P., Shirsath Leena P., and Chaudhari B.L (2021) A halotolerant hyaluronidase from newly isolated *Brevibacterium halotolerans* DC1: Purification and characterization. **International Journal of Biological Macromolecules**, 166, 839-850. <https://doi.org/10.1016/j.ijbiomac.2020.10.240>. Impact Factor - 5.16

6. Patil, N. D., Chopade, L. R., Narkhede\*, K. P., **Chaudhari, B. L.**, & Mahajan, R. T. (2019). Bioprocess optimization of laccase production through solid substrate fermentation using *Perenniporia tephropora* - L168 and its application in bioremediation of triaryl-methane dye. **Biotechnology Progress**, <https://doi.org/10.1002/btpr.2916>. Impact factor - 2.406
7. Patil CK, Jirimali HD, Mahajan MS, Paradeshi JS, **Chaudhari BL**, Gite\* VV (2019) Functional anti-corrosive and anti-bacterial surface coatings based on mercaptosuccinic and thiodipropionic acids and algae oil as renewable feedstock, **Reactive and Functional Polymers** (Accepted) (doi.org/10.1016/j.reactfunctpolym.2019.03.020) Impact Factor- 2.975
8. Patil CK, Jirimali HD, Paradeshi JS, **Chaudhari BL**, Gite\* VV (2019) Functional antimicrobial and anticorrosive polyurethane composite coatings from algae oil and silver doped egg shell hydroxyapatite for sustainable development, **Progress in Organic Coatings** 128, 127-136 (doi.org/10.1016/j.porgcoat.2018.11.002) Impact Factor- 2.955
9. Patil Sandip, Bhadane Bhushan, Shirsath Leena, Patil Ravindra & **Chaudhari\* Bhushan** (2018) Steroidal Fraction of *Carissa carandas* L. Inhibits Microbial Hyaluronidase Activity by Mixed Inhibition Mechanism **Preparative Biochemistry and Biotechnology** (Accepted) (DOI: <https://10.1080/10826068.2018.1541811>) Impact Factor 1.241
10. Chopade Lalit R., Paradeshi Jayasinh S., Amrutkar Kalpesh P., **Chaudhari\* Bhushan L.** (2019) Finding out potent probiotic cultures from ayurvedic formulation *Takrarishta* through *in-vitro* probiotic characterization and principal component analysis, **LWT- Food Science and Technology**, 100, 205-212, (<https://doi.org/10.1016/j.lwt.2018.10.061>) (Impact Factor 4.006)
11. Patil Chandrashekhar K, Jirimali Harishchandra D, Paradeshi Jayasinh S, **Chaudhari Bhushan L**, Alagi Prakash K, Hong Sung Chul, Gite\* Vikas V (2018) Synthesis of Bio-based Polyols Using Algae Oil for Multifunctional Polyurethane Coatings **Green Materials**, 6(2), 1–42. Sept. 14, 2018, <https://doi.org/10.1680/jgrma.18.00046> (Impact Factor: 1.344 )
12. Kiran S. Dalal, Yogesh B. Wagh, Yogesh A. Tayade, Dipak S. Dalal, **Bhushan L. Chaudhari** (2018) Hen Egg White Lysozyme Catalyzed Efficient Synthesis of 3-Indolyl-3-hydroxy oxindole in Aqueous Ethanol. **Catalysis Letters** (Accepted Sept., 2018, DOI: 10.1007/s10562-018-2551-9, Impact Factor 2.911)
13. Kiran S. Dalal, Swapnil A. Padvi, Yogesh B. Wagh, Dipak S. Dalal, **Bhushan L. Chaudhari\*** (2018) Lipase from porcine pancreas: An efficient biocatalyst for the synthesis of *ortho*-aminocarbonitriles. **ChemistrySelect** 3(37), 10378-10382 (Accepted Sept 2018, Impact Factor 1.505)
14. Mokashe, N., **Chaudhari, B.**, & Patil, U. (2018). Operative utility of salt-stable proteases of halophilic and halotolerant bacteria in the biotechnology sector. **International journal of biological macromolecules**. 117 (2018) 493–522, doi.org/10.1016/j.ijbiomac.2018.05.217 Impact Factor: 3.909
15. Ahire J. J., Mokashe N. U., **Chaudhari B. L.** (2018) Effect of Dietary Probiotic *Lactobacillus helveticus* on Growth Performance, Antioxidant Levels, and Absorption of Essential Trace Elements in Goldfish (*Carassius auratus*) **Probiotics and Antimicrobial Proteins** (doi.org/10.1007/s12602-018-9428-5, Impact Factor 1.60).
16. Bathe G.A.\*, Bhagat M.S., **Chaudhari B. L.** (2018) "Comparative investigation of dynamic foam behavior of air-water and CO<sub>2</sub>-water System" **Journal of Surfactants and Detergents** (DOI: 10.1002/jsde.12030 Accepted 14Feb18 Impact Factor 1.45)
17. Mokashe Narendra, **Chaudhari Bhushan**, Patil Ulhas\* (2017) "Detergent compatible robust alkaline protease from newly isolated halotolerant *Salinicoccus* sp. UN-12" **Journal of Surfactants and Detergents** DOI 10.1007/s11743-017-2024-y (Impact Factor 1.45)
18. Patil Sandeep, Chaudhari Gunjan, Paradeshi Jayasinh, Mahajan Raghunath, **Chaudhari\* Bhushan** (2017) Instant green synthesis of silver based herbo-metallic colloidal nanosuspension in *Terminalia bellirica* fruit aqueous extract for catalytic and antibacterial applications. **3Biotech**, 7:36, 1-12 DOI 10.1007/s13205-016-0589-1 (Impact factor 1.361)
19. Chaudhari C. S., Pokharkar D.S., **Chaudhari B.L.**, Firke D.M. and (2016) Compatibility of insecticides with entomopathogenic *Nomuraea rileyi* against tobacco caterpillar, *Spodoptera litura* (f.) **Indian Journal of Entomology**, 79(1): 37-40 (2017) DOI No.: 10.5958/0974-8172.2017.00009.8 (Impact factor 0.045)
20. Chaudhari C. S., Naik R. L, **Chaudhari B.L.**, Firke D.M. and Pokharkar D.S. (2016) Mass production of *Nomuraea rileyi* and influence of Food grains on its pathogenicity. **Indian Journal of Entomology**, 78(4): 310-313. DOI : 10.5958/0974-8172.2016.00082.1 (Impact factor 0.045)
21. Patil Sandip P and **Chaudhari\* Bhushan L.** (2017) A simple, rapid and sensitive plate assay for detection of microbial hyaluronidase activity. **Journal of Basic Microbiology** DOI:10.1002/jobm.201600579 (Impact Factor 1.438)

22. Paradeshi Jaysinh S., Patil Sandeep N., Koli Sunil H. and **Chaudhari\* Bhushan L.** (2016) Effect of copper on probiotic properties of *Lactobacillus helveticus* CD6. **International Journal of Dairy Technology** (Accepted) DOI:10.1111/1471-0307.12384 (Impact Factor 0.813)
23. Patil Sandeep N., Paradeshi Jayasinh S., Chaudhari Prapti B., Mishra Satyendra D. and **Chaudhari\* Bhushan L.** (2016) Bio-therapeutic potential and cytotoxicity assessment of pectin mediated synthesized nanostructured cerium oxide **Applied Biochemistry and Biotechnology** DOI: 10.1007/s12010-016-2121-9 (Impact Factor 1.751)
24. Patil Sandeep N., Paradeshi Jayasinh S. & **Chaudhari\* Bhushan L.** (2016) Suppression of charcoal rot in soybean by moderately halotolerant *Pseudomonas aeruginosa* GS-33 under saline conditions. **Journal of Basic Microbiology**, 56, 1-11 DOI 10.1002/JOBM.201600008 (Impact Factor 1.438)
25. Pawar Madhuri K., Tayade Kundan C., Sahoo Suban K., Mahulikar Pramod P., Kuwar Anil S.\*, **Chaudhari\*\* Bhushan L.** (2016) Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdin. **Biosensors and Bioelectronics** 81, 274–279 DOI 10.1016/j.bios.2016.03.003 (Impact Factor 7.780)
26. Patil Sandeep N., Paradeshi Jayasinh S. & **Chaudhari\* Bhushan L.** (2016) Antimelanoma and UVB protective effect of microbial pigment produced by marine *Pseudomonas aeruginosa* GS33. **Natural Product Research** 30 (24) 2835-2839 DOI 10.1080/14786419.2016.1154057 (Impact Factor 1.828)
27. Dalal Kiran S., Tayade Yogesh A., Wagh Yogesh B., Trivedi Darshak R., Dalal Dipak S. & **Chaudhari\* Bhushan L.** (2016) Bovine Serum Albumin catalyzed one-pot, three-component synthesis of dihydropyrano[2,3-c]pyrazole derivatives in aqueous ethanol. **RSC Advances**, 6, 14868-14879, DOI: 10.1039/C5RA13014J (Impact Factor 3.108)
28. Dane Prashant R. Pawar Shradha S, Kankariya Raksha A. and **Chaudhari\* Bhushan L.** (2016) Pyoverdin mediated sunlight induced green synthesis of silver nanoparticles. **RSC Advances**, 6, 8503-8510, DOI: 10.1039/C5RA20856D (Impact Factor 3.108)
29. Ahire Jayesh J., Mokashe Narendra U., and **Chaudhari Bhushan L.** (2014), "Cholesterol biotransformation to cholesta-4, 6-dien-3-ol and effect of assimilation on adhesion properties of *Lactobacillus helveticus* CD6" **Journal of Microbiology, Biotechnology and Food Science** 3(5), 398- 401 (Impact Factor 0.98)
30. Chaudhari Priti N., Chincholkar S.B. and **Chaudhari\* B.L.** (2013), "Biodegradation of feather keratin with a PEGylated protease of *Chryseobacterium gleum*" **Process Biochemistry** 48 (12) 1952-1963 (Impact Factor 3.064)
31. Ahire Jayesh J, Mahulikar Pramod P. and **Chaudhari\* Bhushan L.** (2013) Radical scavenging and DNA cleavage inhibitory activities of 2,3-dihydroxybenzoyl glycine obtained from *Bacillus subtilis* **Records of Natural Products** 7:2; 133-136 (Impact Factor 1.51)
32. Chaudhari Priti N., **Chaudhari\* B.L.** and Chincholkar S.B. (2012), "Iron containing keratinolytic metallo-protease produced by *Chryseobacterium gleum*" **Process Biochemistry**, 48 (1) 144-151 (Impact Factor 2.952)
33. Pawar Shirkant, Dhotre Dhiraj, Shetty Sudarshan, Chowdhury Somak, **Chaudhari Bhushan**, and Shouche Yogesh (2012) "Genome sequence of *Janibacter hoylei* MTCC8307, isolated from the stratospheric air" **Journal of Bacteriology**, 194 (23) 6629-6630 (Impact Factor 4.114)
34. Ahire Jayesh, Bhat Anuja, Thakre Jayashri, Zope Dipali, Pallavi Pawar, Jain Rakesh, Chaudhari\* Bhushan L. (2012) "Cholesterol assimilation and biotransformation by *Lactobacillus helveticus*" **Biotechnology Letters**, 34, 1, 103-107 (Impact Factor 1.68)
35. Patil Kanchankumar P, Kamalja Kirtee and Chaudhari\* Bhushan L. (2011) Optimization of medium components for hyaluronic acid production by *Streptococcus zooepidemicus* MTCC 3523 using a statistical approach. **Carbohydrate polymers** 86, 1573–1577 (Impact Factor 3.628)
36. Patil Hemant J, Srivastava Alok K, Singh Dhananjaya P, Chaudhari Bhushan L, Arora Dilip K. (2011) Actinomycetes mediated biochemical responses in tomato (*Solanum lycopersium*) enhances bioprotection against *Rhizoctonia solani*. **Crop Protection** 30 (10) 1269-1273, (Impact Factor 1.52)
37. Ahire Jayesh J, Mokashe Narendra, Patil Hemant, Chaudhari\* Bhushan L. (2011) Antioxidative potential of folate producing probiotic *Lactobacillus helveticus* CD6. **Journal of Food Sciences & Technology** 50(1):26–34 (Impact Factor 0.50)
38. Ahire Jayesh J, Patil Kanchankumar P, Chaudhari\* Bhushan L. & Chincholkar Sudhir B (2011) Potential probiotic culture ST2 produces siderophore 2,3-dihydroxybenzoylserine under intestinal conditions. **Food Chemistry** 127(2), 387-393. (Impact Factor 4.272)
39. Ahire Jayesh, Patil Kanchankumar P, Chaudhari\* Bhushan L. & Chincholkar Sudhir B (2011) *Bacillus* spp. of human origin: A potential siderophoregenic probiotic bacteria. **Applied Biochemistry and Biotechnology** 164, 386-400. (Impact Factor 1.943)

40. Patil Kanchankumar P, Patil Deepak K, Chaudhari\* Bhushan L. & Chincholkar Sudhir B (2010) Production of hyaluronic acid from *Streptococcus zooepidemicus* MTCC 3523 and its wound healing activity. DOI 10.1016/j.jbiosc.2010.10.012, **Journal of Bioscience and Bioengineering** 111(3), 286-288 (Impact factor 1.79).
41. Patil Nitinkumar P. and Bhushan L. Chaudhari (2010) Production and purification of pectinase by soil isolate *Penicillium* sp. and search for better agro-residue for its SSF. **Recent Research in Science and Technology** (ISSN: 2076-5061) 2(7): 36-42
42. Patil Nitinkumar P., Patil Kanchankumar P., Chaudhari\* Bhushan L. & Chincholkar Sudhir B. (2010) Production, purification of exo-polygalacturonase from soil isolate *Paecilomyces variotii* NFCCI 1769 and its application. **Indian Journal of Microbiology**. 52(2), 240-246 (Impact Factor 0.457)
43. Patil Hemant J., Srivastava Alok K., Kumar Sudhir, Chaudhari Bhushan L., and Arora Dilip K. (2010) "Selective isolation, evaluation and characterization of antagonistic actinomycetes against *Rhizoctonia solani*" **World Journal of Microbiology and Biotechnology** 26: 2163- 2170 (Impact Factor 1.53)
44. Chaudhari Priti N., Chaudhari\* Bhushan L. and Chincholkar Sudhir B. (2010) "Cholesterol biotransformation to androsta-1, 4-diene-3, 17-dione by growing cells of *Chryseobacterium gleum*" **Biotechnology Letters** 32: 695-699 (Impact Factor 1.68)
45. Bendale Manisha S, Chaudhari Bhushan L. & Chincholkar Sudhir B (2009) "Influence of Environmental Factors on siderophore production by *Streptomyces fulvissimus* ATCC 27431" **Current Trends in Biotechnology and Pharmacy** Vol. 3 (4) 362 – 372.
46. Patil Kanchankumar P, Chaudhari\* Bhushan L. & Chincholkar Sudhir B (2009) "Screening for pharmaceutically important exopolysaccharide and partial optimization of EPS production" **Current Trends in Biotechnology and Pharmacy**. Vol. 3 (3), 329-337.
47. Patel Anil K., Ahire Jayesh J, Pawar Shrikant, Chaudhari Bhushan L, Chincholkar Sudhir B. (2009) "Comparative accounts of probiotic characteristics of *Bacillus* spp. isolated from food wastes" **Food Research International**, 42(4), 505-510. (Impact Factor 2.640)
48. Patel Anil. K, Ahire Jayesh. J., Pawar Shrikant P, Chaudhari Bhushan L, Shouche Yogesh S, and Chincholkar Sudhir B. (2009) "Evaluation of the probiotic characteristics of siderophoregenic *Bacillus* spp isolated from dairy waste" **Applied Biochemistry and Biotechnology**, 160:140-155 (Impact Factor 1.94)
49. Sarode Prashant D, Rane Makarand R, Chaudhari Bhushan L and Chincholkar Sudhir B. (2009) "Siderophoregenic *Acinetobacter calcoaceticus* isolated from wheat rhizosphere with strong PGPR and antagonistic activity" **Malaysian Journal of Microbiology**, Vol 5(1): 6-12
50. Patel Anil K., Deshattiwar, Maroti K., Chaudhari Bhushan L, Chincholkar Sudhir B. (2009) Production, purification and chemical characterization of the catecholate siderophores from a potent probiotic strains of *Bacillus* sp." **Bioresource Technology**, 100 (1), 368-373 (Impact Factor 4.62)
51. Deshattiwar Maroti K, Patel Anil K, Ahire Jayesh J, Chaudhari Bhushan L, Chincholkar Sudhir B, (2009) "Influence of microbial siderophores on cotton (*Gossypium arboreum* L. cvs. PA-402 and PA-255) on callus induction" **Bionano Frontier** Vol.2 (1) 2009 35-40
52. Chaudhari Priti N, Wani Kishor S, Chaudhari Bhushan L, Chincholkar Sudhir B, (2008) Characteristics of Sulfobacin A from a soil isolate *Chryseobacterium gleum*. **Applied Biochemistry & Biotechnology**, 158(1), 231-241. (Impact Factor 1.643)
53. Rane Makarand R, Sarode Prashant D, Chaudhari Bhushan L and Chincholkar Sudhir B. (2008) "Exploring antagonistic metabolites of established biocontrol agent of marine origin" **Applied Biochemistry & Biotechnology** 151:665–675 (Impact factor 1.643)
54. Sarode Prashant D, Rane Makarand R, Chaudhari Bhushan L and Chincholkar Sudhir B, (2007) Screening for siderophore producing PGPR from black cotton soils of North Maharashtra, **Current Trends in Biotechnology & Pharmacy** Vol 1, 96-105
55. Rane Makarand R, Sarode Prashant D, Chaudhari Bhushan L, Chincholkar Sudhir B, (2007) "Foliar application of *Pseudomonas* metabolite protects *Capsicum annum* (Chilli) from fungal phytopathogens" **Bionano Frontier** Vol. 1 (1) 2007 46-54
56. Rane Makarand R, Sarode Prashant D, Chaudhari Bhushan L and Chincholkar Sudhir B (2007) Detection, isolation and identification of phenazine-1-carboxylic acid produced by biocontrol strains of *Pseudomonas aeruginosa*. **Journal of Science & Industrial Research** 66 (8) 627-631. (Impact Factor 0.387)



57. Manwar. A.V., Khandelwal.S. R., Chaudhari. B. L. Meyer, J. M. and Chincholkar S. B. (2004) "Siderophore production by a marine *Pseudomonas aeruginosa* and its antagonistic action against phytopathogenic fungi" **Applied Biochemistry and Biotechnology**, 118, 243-251. (Impact Factor 0.907)
58. Khandelwal.S. R., Manwar. A. V., Chaudhari. B. L. and Chincholkar S. B. (2002) "Siderophoregenic Bradyrhizobia boost yield of soybean" **Applied Biochemistry and Biotechnology**, 102, 155-168. (Impact Factor 0.890)

#### Book review & invited chapters

1. **Chaudhari\* Bhushan L.**, Patil S.N., Paradeshi J.S., Chaudhari M.A., Chaudhari C.S. (2017) Premier Biocontrol Traits of Pseudomonads: Siderophores, Phenazines or What Else?. In: Panpatte D., Jhala Y., Vyas R., Shelat H. (eds) Microorganisms for Green Revolution. Microorganisms for Sustainability, vol 6. Springer, Singapore, Published on 1/12/2017 ISBN 9789811062407), 351-390.
2. Ahire Jayesh J., Mokashe Narendra U. and **Chaudhari\* Bhushan L.** (2013) Probiotics Today: Charting new directions. In Advances in Industrial Biotechnology (Eds. Prof. R S Singh, Prof. Ashok Pandey & Prof. Christian Larroche) IK International Pvt. Ltd., New Delhi, pp 194-216.
3. Patil Nitinkumar P., Patil Kanchankumar P. and **Chaudhari Bhushan L.** (2013) Pectinases: Microbial production and applications in Microbiology Applications, Ed. Chandicharan Rath, Har Krishan Bhalla & Sons publishers, Dehradun, India, pp 303-326.
4. Nitinkumar P. Patil\* and Bhushan L. Chaudhari (2013) Studies on Biodegradation of An Organophosphorus Pesticide Monocrotophos, (In proceedings of National Conference on New Insights in Microbial Technology, 9-10 Feb, 2013 at SSVPS ASC College, Dhule ISBN : 978-93-82528-81-4), Prashant Publications, Jalgaon, 142-145.
5. Patil, Hemant J. and **Chaudhari, Bhushan L.** (2012) Agricultural Implications of Actinomycetes. In Environment & Biotechnology (Ed. Ram Prasad) Lambert Academic Publishing, New Delhi, India, ISBN 978-3-659-15457-7, pp 60-88.
6. Mohite Bhavna V., **Chaudhari Bhushan L.**, Chaudhari Girish (2010) Fermentation: An economic approach to increase mineral content of food to conquer food security" In, Global food security: Concern, reality and remedies (Eds. Seema Joshi, Anil Dongre, Sameer Narkhede), Himalaya Publishing House, Mumbai, pp196-203.
7. **Chaudhari Bhushan L**, Patil Kanchankumar P, .Rane Makarand R and Chincholkar Sudhir B (2009) "Bioreactors for biofertilizers" Chapter 29:In, Textbook on Molecular Biotechnology, (Eds. Ashok Chauhan & Ajit Varma), IK International, New Delhi, 677-690.
8. Chincholkar S B, **Chaudhari B L**, Sarode P D and Rane M R (2009) Phenazines of Pseudomonas: Tool for biological control of soilborne phytopathogens. In "Agriculturally Important Microorganisms" Ed. GG Khachatourians, DK Arora, TP Rajendran, AK Srivastava, Academic World International, Varanasi, ISBN 81-903104-1-0, pp 229-242.
9. Chincholkar S B, **Chaudhari B L**, Rane M R and Sarode P D (2007) Fungal phytopathogen suppression using siderophoregenic bio-inoculants in "Biological Control of Plant Diseases: Current Concepts" (Eds. S. B. Chincholkar and K. G. Mukerji) Haworth Press, NY pp 401-417.
10. Chincholkar S. B., **Chaudhari B. L.** and Rane M. R. (2007) "Microbial siderophores in human and plant health care" in Microbial siderophore, Soil Biology Vol. 12 (Ed. Ajit Varma & Sudhir Chincholkar), Springer, Germany, pp. 205-217.
11. Chincholkar S. B., **Chaudhari B. L.** and Rane M. R. (2007) "Microbial siderophores: A state of art" in Microbial siderophore, Soil Biology Vol. 12 (Eds. Ajit Varma & Sudhir Chincholkar) Springer Verlag, Germany, pp 233-242.
12. Chincholkar S. B., Rane M. R., **Chaudhari B. L.** and Sarode P. D. (2007) "Microbial Siderophore Mediated Value Addition to plants for improvement of Human Health" Current Topics on Bioprocesses in Food Industry, Vol 2, (Eds. Koutinas A, Pandey A., Larroche, C) Asiatech Publishers Inc., New Delhi, 249-260.
13. Chincholkar S. B., Rane M. R. and **Chaudhari B. L.** (2005) "Siderophores: Their Biotechnological Applications" In Biotechnological Applications: Microbes, Microbiology Series (Eds: Podila G K, Varma A), I. K. International, New Delhi pp. 177-198
14. Wani K.S., Naphade B.S., **Chaudhari B.L.**, and Chincholkar, S. B. (2004) Pigment production In Concise Encyclopedia of Bioresource Technology Ed. Ashok Pandey, The Food Products Press, The Haworth Ref. Press, 645-652
15. Khandelwal, S.R., Manwar, A.V., **Chaudhari**, Dynamic activity of siderophoregenic *Bradyrhizobium japonicum* NCIM 2746 in growth enhancement and yield improvement of soybean; (Ed Manoharachary, C., Purohit, D. K., Ram Reddy, S., Singaracharya, M. A. and Girisham, S.) In Frontiers in Microbial Biotechnology and Plant Pathology, pp 213-220.
16. Manwar A. V., Khandelwal, S. R., **Chaudhari, B. L.** and Chincholkar, S. B. (2001) "Secondary metabolites of fluorescent Pseudomonads for control of fungal phytopathogens" In Advances in Mycology and Plant Pathology- A

co-memoration volume of Prof. Kalidas Deshpande (Ed. L.V. Gangawane and D.S. Mukadam), co-memoration, pp 48-62

17. Manwar A. V., Khandelwal, S. R., **Chaudhari, B. L.** and Chincholkar, S. B. (2001) "Plant growth promoting rhizobacteria (PGPR) for biocontrol of plant diseases" (Ed. Deshmukh, A. M.) In Biological control of pests, Deshmukh Publishers, Karad, pp 57-68.
18. Chincholkar S. B., **Chaudhari. B. L.**, Talegaonkar, S. K. and Kothari R. M. (2000) "Microbial iron chelators: A sustainable tool for the biocontrol of plant diseases" In Biocontrol potential and Its Exploitation in Sustainable Agriculture, Vol. 1 (Upadhyay, R. K., Mukerji, K. G. and Chamola, P. C. , Eds) Kluwer Academic Publishers, USA, Vol. 1., pp.49-70.
19. **Chaudhari B. L.** and Chincholkar. S. B. Microbial siderophores in selected topics in Biotechnology, (Deshmukh, A. M. Ed.) Pama Publishers, Karad, 1998, 32-42.

### Chapters in Conference proceedings

1. **Bhushan L. Chaudhari** (2019) Intellectual property rights in India: A glimpse" In proceedings of a National Seminar on Intellectual Property Rights: Nature and Problems (Ed. JM Nemade, S Jadhav and H. Chavan) sponsored by Indian Council of Social Sciences Research, New Delhi, Prashant Publications, 45-50. ISBN 978-93-88769-39-6.
2. Deepak K. Patil, Sandeep N. Patil, Narendra U. Mokashe, Jayasing S. Paradeshi, Charudatta, S. Chaudhari, Sudhir B. Chincholkar, **Bhushan L. Chaudhari\*** (2014) "Poultry Waste Utilization for Economized Production of Phenazine-1-Carboxamide by Pseudomonas sp." (Ed. SK Ghosh ISBN:81-86862-50-1 in proceedings of an International Conf. on Waste management, air & water -28-30 Jan 2014 at ANG Ranga Agri University, Hyderabad, 625-636.
3. **Chaudhari Bhushan L.**, Ahire Jayesh J., Patil Kanchankumar P., Shimpi Gaurav G., Shouche Yogesh S., Chincholkar Sudhir B., "Lactobacillus sp. CD6: A potential folate producing probiotic strain isolated from Indian traditional fermented milk" In proceedings of Fourth International Conference on Fermented foods, health status and social well-being held at AAUniversity, Anand, 11-12 Dec.2009, 36-38.
4. Khandelwal.S. R., Manwar. A. V., **Chaudhari. B. L.**, Talegaonkar, S. K. and Chincholkar S. B. (2001) "Dynamism of siderophoregenic Bradyrhizobia in soybean yield improvement, In: Proceedings of 'International conference on microbial biotechnology: Trade and public policy" (Eds. Venkateshwar Rao, L. and Malik., V. P.) at Osmania University, Hyderabad. (Electronic version on <http://www.microbiologyyou.com>)
5. Manwar. A. V., **Chaudhari. B. L.**, Talegaonkar, S. K. and Chincholkar S. B.(2001) "*In vitro* suppression of phytopathogens by siderophores of fluorescent pseudomonads" in proceedings of National Symposium on perspectives on Biotechnology, Sci. Publishers, Jodhpur, India, 31-34.
6. Chincholkar S. B. and **Chaudhari. B. L.** (2000) "Role of microbial siderophores in plant disease management" in proceedings of Golden Jubilee celebration of Indian Phytopathological Society,, International Conf. on Integrated plant disease management for sustainable agri., Vol. I, 283-284.
7. **Chaudhari. B. L.** and Kothari R. M. (2000) "Biotechnology for better agriculture" In proceedings of Symposium on Organic farming, Pal, Jalgaon 15-16 Jan, 2000 (In Marathi language)

### Technology offers published

1. Manwar A. V., Khandelwal S. R., **Chaudhari B. L.** and Chincholkar S. B. "Generic technology for assured biocontrol of groundnut infections leading to its yield improvement", Chemical Weekly, XLVI, Issue No. 26, 20 Feb, 2001, 157-158.
2. Khandelwal.S. R., Manwar. A. V., **Chaudhari. B. L.** and Chincholkar S. B. "Soybean yield boosting formulation enjoys an agronomic importance" Chemical Weekly, XLVI, Issue No. 50, August 07, 2001, 147-148.
3. Manwar A. V., Khandelwal S. R., **Chaudhari B. L.**, and Chincholkar, S. B. (2001) Sideroplus: A bio-product for improved yield of groundnut, Science Tech Entrepreneur, 9 (8), 36-37.

### Invited talks and Presentations / Participation in International, National conferences

1. **Chaudhari Bhushan L.** (2021) "Innovative ideas and budding research" an Inaugural talk while opening of Science Association of DAGDB Mahila Mahavidyalaa, Jalgaon on 28 Oct. 2021.

2. **Chaudhari Bhushan L.** (2021) "Why and how to file a patent?" an invited talk at Devsey ACSC College, Wada through online mode on 27.10.2021
3. **Chaudhari Bhushan L.** (2021) "Sustainable Agro-practices" for the farmers training for sustainable agriculture under Lab-To-Land programme At Pratap Philosophy Centre, Amalner on 25.10.2021
4. **Chaudhari Bhushan L.** (2021) "Genesis & Essence Innovation & Incubation Ecosystem" an invited talk at Sahakar Maharshi Shankarrao Mohite-Patil Inst. of Tech. & Research Akluj, Solapur, through online mode on 23.10.2021.
5. **Chaudhari Bhushan L.** (2021) "Why and how to file a patent?". Invited talk in UGC sponsored short term course at SGBA University, Amravati on 18.10.2021.
6. **Chaudhari Bhushan L.** (2021) "Writing and publishing a research article". Invited talk in UGC sponsored short term course at SGBA University, Amravati on 18.10.2021.
7. **Chaudhari Bhushan L.** (2021) "Entrepreneurship as a career choice" an Invited talk at RC Patel Institute of Mgmt Res. & Development, Shirpur through online mode from 11.00 am to 1.30 pm on 13.10.2021.
8. **Chaudhari Bhushan L.** (2021) "Entrepreneurial Leadership In HEIs- Need of the hour" Invited talk in AICTE sponsored Faculty Development Programme on organized by RC Patel ASC College, Shirpur through online mode at 2.30 to 4 pm on 27.08.2021
9. **Chaudhari Bhushan L.** (2021) "Entrepreneurship-Startups and Budding Innovators- A need of the hour" Invited talk in a Refresher Course in Chemistry of SPPUniversity, Pune from 17.8.21 to 30.8.21 through Online mode at 4.00 pm to 5.30 pm on 19.08.2021.
10. **Chaudhari Bhushan L.** (2021) "Role of Incubator Why Startups & How to nurture it?" An invited talk at SRT Marathwada University, Nanded under Startup awareness programme on 26.07.2021.
11. **Chaudhari Bhushan L.** (2021) "Why and how to file a patent?" A key note speech at One Day Workshop at CES's College, Chalisgaon on 16.06.2021.
12. **Chaudhari Bhushan L.** (2021) "How to write a research paper with ethical considerations?" An invited talk in an AICTE sponsored Short Term Training Programme on 'Scientific Research Paper patents and Research Proposal Writing for Grants and an Ethics: 25-30 May, 2021' organized by RC Patel Institute of Pharmaceutical Education and Research, Shirpur on 26.05.2021.
13. **Chaudhari Bhushan L.** (2021) "Why and how to file a patent?" An invited talk in an online one day National level workshop on "Intellectual Property Rights" organized by Bhusaval Arts & Sciences & PO Nahata Commerce College, Bhusaval on 04.05.2021.
14. **Chaudhari Bhushan L.** (2021) "Why and how to file a patent?" An invited talk in an online webinar organized by Chemistry Dept, MJ College, Jalgaon on 28.04.2021.
15. **Chaudhari Bhushan L.** (2021) Delivered an online invited talk as a guest of honour on "Vision 2050: Evolving Entrepreneurship Ecosystem in India - TIER-II and TIER- III ecosystem perspective" in a National Conference on "Vision 2050: Evolving Entrepreneurship Ecosystem In India" at Swayam Siddhi College of Management & Research, Bhiwandi on 17-18 April, 2021
16. **Chaudhari Bhushan L.** (2021) Delivered an invited talk IL-66 on 6<sup>th</sup> April entitled "Evaluating the Prebiotic, Probiotic and Postbiotics in Ayurvedic preparation Takrarishta: A remedy to IBD" in International Conference on Biotechnology for sustainable agriculture, Environment & Health (BSAEH-2021) organized by BRSI, held at, MNIT, Jaipur from 4- 8 April, 2021.
17. **Chaudhari Bhushan L.** (2020) "Why and how to file a patent?" An invited talk in an online seminar organized by Physics Dept, MJ College, Jalgaon on 05.03.2021.
18. **Chaudhari Bhushan L.** (2021) Delivered a talk on, "Review of literature and research" to the Ph.D. aspirants in Pre-Ph.D. coursework workshop through online mode on "Research Methodology, Research and Research Ethics" 3.30 to 5.30 pm on 01.02.2021 in KBCNMU, Jalgaon.
19. **Chaudhari Bhushan L.** (2021) Delivered a talk on 'Global warming & Climate Change- What to do with it?' in online mode Refresher Course in Environmental Studies (Inter Disciplinary 27 Jan – 9 Feb, 2021) at SGBA University, Amravati 4 pm 5.30 pm on 28.01.2021
20. **Chaudhari Bhushan L.** (2021) Delivered a talk on 'Science & Technology for Sustainable future' in online mode Refresher Course in Environmental Studies (Inter Disciplinary 27 Jan – 9 Feb, 2021) at SGBA University, Amravati 2.30 to 4 pm on 28.01.2021

21. **Chaudhari Bhushan L.** (2021) "Research Project Writing" A Invited talk (1-3 pm) in a workshop in the Induction programme organized by Staff Development Academy of S.T. Co-op.Education Society's Science Senior College at Shahada on 22.01.2021.
22. **Chaudhari Bhushan L.** (2021) Delivered a talk entitled on Nanotechnology in Probiotics in online Refresher Course in Biological Science & Technology (4-18Jan2021) organized by UGC, HRDC, Dr. BAM University, Aurangabad 4.30 to 6 pm on 12.01.2021.
23. **Chaudhari Bhushan L.** (2021) Delivered a talk on Science & Technology for sustainable future & in online Refresher Course in Biological Science & Technology (4-18Jan2021) organized by UGC, HRDC, Dr. BAM University, Aurangabad session 3 to 4.30 on 12.01.2021.
24. **Chaudhari Bhushan L.** (2021) "Interactive teaching strategies & Consultancy" Invited talk during the Induction programme for new incumbent teachers at DGD Bendale Mahila Mahavidyalaya, Jalgaon 19.01.2021.
25. **Chaudhari Bhushan L.** (2020) "Why and how to file a patent?" An invited talk at Post Graduate Science & Technology Institute, Jalgaon on 29.10.2020.
26. **Chaudhari Bhushan L.** (2020) "Interactive teaching strategies & Consultancy" Invited talk during the Induction programme for new incumbents at MJ College, Jalgaon 12.12.2020.
27. **Chaudhari Bhushan L.** (2020) Delivered a talk on, "Interactive Teaching Tools" in the Training Program: Online Learning: LIVE Classroom Teaching Platforms" organized by UttamVidya@KBCNMU committee of KBCNMU Batch-III on 30.07.2020.
28. **Chaudhari Bhushan L.** (2020) Delivered a talk on, "Interactive Teaching Tools" in the Training Program: Online Learning: LIVE Classroom Teaching Platforms" organized by UttamVidya@KBCNMU committee of KBCNMU Batch-II on 26.07.2020.
29. **Chaudhari Bhushan L.** (2020) Delivered a talk on, "Interactive Teaching Tools" in the Training Program: Online Learning: LIVE Classroom Teaching Platforms" organized by UttamVidya@KBCNMU committee of KBCNMU Batch-I on 22.07.2020.
30. **Chaudhari Bhushan L.** (2020) "Why and how to file a patent?" An invited talk at Naran Lala College, Navsari, Gujrat on 9<sup>th</sup> March, 2020.
31. **Chaudhari Bhushan L.** (2020) "A positive interactions of nanoparticles on probiotic culture" A Lead Lecture on 29Feb2020 at a National Conference on 'Nanostructured and amorphous materials: Synthesis, Characterization and application (NAM-RAMAN-2020) organized by Dept. of Physics at MJ College, Jalgaon on 28-29<sup>th</sup> Feb, 2020.
32. **Chaudhari Bhushan L.** (2020) "Sustainable Agro-practices" An invited talk delivered in a NSS Camp at Pokhari-Tanda, Dharangaon Taluka under lab to Land on 24<sup>th</sup> Feb., 2020.
33. **Chaudhari Bhushan L.** (2020) "Why and how to file a patent?" An invited talk at Seminar on Challenges in Intellectual Property Rights and Patent System- 2020 organized by School of Chemical Sciences, MJ College, Jalgaon on 26<sup>th</sup> Feb, 2020.
34. **Chaudhari Bhushan L.** (2020) "Why file a patent?" A key note speech at National Symposium on 'Intellectual Property Rights- A prerequisite in higher education and research' at Kirti College, Dadar, West, Mumbai on 15.Feb, 2020.
35. **Chaudhari Bhushan L.** (2020) "Modern Instrumentation- HPLC & Nanodrop spectrophotometer" In a workshop on Modern Instrumentation at University Institute of Chemical Technology, KBCNMU, Jalgaon on 4<sup>th</sup> Feb., 2020
36. **Chaudhari Bhushan L.** (2020) "Intellectual Property Rights" An invited talk delivered at KCE's Institute of Management & Research, Jalgaon on 24<sup>th</sup> Jan2020.
37. **Chaudhari Bhushan L.** (2020) "Sustainable Agro-practices" An invited talk delivered in a NSS Camp at Musali, Tal-Dharangaon under Lab to Land on 21<sup>st</sup> Jan., 2020.
38. **Chaudhari Bhushan L.** (2020) "Sustainable Agro-practices" An invited talk delivered in a Refresher Course in UGC sponsored Refresher Course in Life Sciences, Academic Staff College organized at Zoology Dept. RTM Amravati University, Amravati on 20Jan2020.
39. **Chaudhari\* Bhushan L.** (2020) "Why & how to protect intellectual property?" An invited talk delivered in a Refresher Course in UGC sponsored Refresher Course in Life Sciences, Academic Staff College organized at Zoology Dept. RTM Amravati University, Amravati on 20Jan2020.
40. **Chaudhari\* Bhushan L.** (2020) "KBCNorth Maharashtra University- Potential and Achievements" A talk delivered in the capacity of Organizing Secretary at Triveni Business Summit-2020 on 11<sup>th</sup> Jan 2020 at KBCNorth Maharashtra University, Jalgaon.
41. **Chaudhari Bhushan L.** (2019) "Sustainable Agro-practices" A talk delivered for Tribal farmers under INSA project at Nandurbar on 22<sup>nd</sup> Nov, 2019.

42. **Chaudhari Bhushan L.** (2019) "Sustainable Agro-practices" A talk delivered for the farmers of village Kharchi, Tal Erandol under Lab to Land work on 3<sup>rd</sup> Nov, 2019.
43. **Chaudhari Bhushan L.** (2019) "Sustainable Agro-practices" A talk delivered for the farmers at Amalner under Lab to Land on 6<sup>th</sup> June, 2019.
44. **Chaudhari\* Bhushan L.** (2019) "Why & how to protect intellectual property?" An invited talk delivered in a one day workshop on "Intellectual property Rights" sponsored by ICSSR, New Delhi at KVN Naik ACS College, Nashik on 25<sup>th</sup> April, 2019.
45. **Chaudhari Bhushan L.** (2020) "Sustainable Agro-practices" A talk delivered for the farmers at Amalner under Lab to Land on 5<sup>th</sup> April, 2019.
46. **Chaudhari Bhushan L.** (2019) Participated in one day National Seminar on "Intellectual Property Rights & Patent System in India" organized by KBC-North Maharashtra University at Jalgaon 12<sup>th</sup> March, 2019.
47. **Chaudhari\* Bhushan L.** (2019) "Intellectual Property Rights & Global Warming" An invited talk delivered in a workshop at HR Patel Arts Mahila College, Shirpur on 2<sup>nd</sup> March, 2019.
48. **Chaudhari Bhushan L.** (2020) "Sustainable Agro-practices" A talk delivered for Tribal farmers at Nandurbar under INSA project at Nandurbar on 28<sup>th</sup> Feb, 2019.
49. **Chaudhari\* Bhushan L.** (2019) "Intellectual Property Rights: A Glimps" An invited talk delivered in a one day Interdisciplinary National Seminar on 'Intellectual Property Rights' organized by Arunodaya Dnyan Prasarak Mandal's Women's College of Arts & Commerce & Home Science, Jalgaon sponsored by ICSSR, New Delhi on 23<sup>rd</sup> Feb., 2019.
50. **Chaudhari\* Bhushan L.** (2019) "Why & how to protect intellectual property?" An invited talk delivered in a one day National Workshop on 'Intellectual Property Rights' organized by ASC College, Chopda on 16<sup>th</sup> Feb., 2019.
51. **Chaudhari\* Bhushan L.** (2019) "Challenges being faced by farmers in rural area- Marathi – Gramin Bhagatil Shetakaryanchya Samasya- "ग्रामीण भागातील शेतकऱ्यांच्या समस्या" at Govt. Approved Public Library at Pimpalgaon Hareshwar, Tal Pachora, Dist. Jalgaon under Lab to Land on 6<sup>th</sup> February, 2019.
52. **Chaudhari\* Bhushan L.** (2019) Participated in a Two-Day Workshop on "NAAC Awareness Programme (NAP)" sponsored by National Assessment and Accreditation Council, Bangalore, 17-18, Jan., 2019 at KBC-NMUniversity, Jalgaon.
53. **Chaudhari\* Bhushan L.** (2019) "Global Warming and Climate Change- What to do with it?" An invited talk delivered in a University level workshop on 'Impacts of global warming on climate' at School of Env. & Earth Sciences, KBC-NMUniversity, Jalgaon on 25<sup>th</sup> January, 2019.
54. **Chaudhari\* Bhushan L.** (2019) "Interactive teaching strategies" An invited talk in one week (14-18<sup>th</sup> Jan 2019) faculty development programme on "Empowering Teaching Skills Using Modern Pedagogy Tools" at Dept. of Pharmacy, Govt. Polytechnic, Jalgaon sponsored by Directorate of Technical Education, Mumbai on 15<sup>th</sup> January, 2019.
55. **Chaudhari\* Bhushan L.** (2018) Participated in a conference on "Role of probiotics in promoting healthy microbiome for health and immunity" organized by International Life sciences Institute- India on 6<sup>th</sup> Dec., 2018 at Hotel Le Medidien, New delhi.
56. **Chaudhari\* Bhushan L.** (2018) "Pharmaceutical Sciences and intellectual property" An invited talk delivered in a National Conference on 'A global perspective on pharmaceutical IPR: Challenges and potential' organized by RC Patel Inst. Pharma. Edu. & Res. Shirpur on 8<sup>th</sup> Sept., 2018.
57. **Chaudhari\* Bhushan L.** and Pawar Madhuri K. (2016) Biomolecule as a Tool For sensing Antibiotic Ciprofloxacin. A poster presented in International Conference on Current Trends in Biotechnology held at VIT University, Vellore during 8-10 Dec., 2016.
58. **Chaudhari\* Bhushan** "Effect of chemicals on Biodiversity" A plenary lecture delivered in State Level Seminar on Effect of chemicals on Biodiversity sponsored by SP Pune University at KGDM ACS College, Niphad, Nashik on 18- 19<sup>th</sup> Jan 2016.
59. **Chaudhari\* Bhushan,** Pawar Madhuri, Kundan Tayde, Mahulikar Pramod & Kuwar anil (2014) Pyoverdin: An iron chelating compound for detection of antibiotic ciprofloxacin. Poster Presented in Royal Society of Chemistry Sponsored Frontiers of Advances in Chemistry and Technology-2015 held at NMU, Jalgaon on 11-12<sup>th</sup> Dec., 2015. (Received **Best Poster Award among Faculty category**)
60. **Chaudhari\* Bhushan L.** Paradeshi Jayasinh, Patil Sandeep, Chaudhari Prapti, Mishra Satyendra (2014) Effect of Nanoparticles on Probiotic Culture -Growth, Acid & Bile Tolerance in National Conference on Recent Trends in

Nanoscience: Techniques & Applications for Life Sciences at HPT Arts & RYK Science College, Nashik, 19-20 Dec., 2014. (Invited talk)

61. **Chaudhari\* Bhushan L.** Probiotics: A versatile food supplement Recent advances in Food & Fermentation Technology University Institute of Chemical Technology, NMUniversity, Jalgaon 29.9.2013 (Invited talk)
62. **Chaudhari\* Bhushan L.** & Ahire Jayesh (2012) New insights in probiotic Lactobacilli in International Conference on Industrial Biotechnology, Patiala 21-23 Nov., 2012.(Invited talk)
63. **Chaudhari\* Bhushan L.** and Ahire Jayesh J (2011) *Lactobacillus helveticus*: A potential folate producing antioxidant probiotic strain in International Food Conference (IFC-2011) at Surabaya, Indonesia, 28<sup>th</sup>-29<sup>th</sup> October, 2011.
64. Ahire\* Jayesh J. Bhat Anuja A., Thakre Jayashri M. and **Chaudhari Bhushan L.** and (2011) Cholesterol assimilation by potential probiotic culture *Lactobacillus helveticus* in International Food Conference (IFC-2011) at Surabaya, Indonesia, 28<sup>th</sup>-29<sup>th</sup> October, 2011.
65. **Chaudhari Bhushan L.** (2011) Writing and publishing a research article. Delivered key note address at BIOINNOVO-2011 a state level poster competition on 22<sup>nd</sup> Sept., 2011 at MJ College, Jagaon.
66. **Chaudhari\* Bhushan L.** & Ahire Jayesh J. (2011) Probiotics as Nutraceuticals in International Conference on Futuristic Science and Technology in Frontier Areas and 2<sup>nd</sup> Annual Conference of Indian JSPS Alumni Association, Thiruvananthapuram, August 5-6, 2011.
67. **Chaudhari Bhushan L.** (2011) Antioxidative potential of folate producing probiotic *Lactobacillus helveticus* An invited talk in UGC sponsored National Conference on Recent Advance in Agrobiotechnology & Sustainable Agricultural Practices at MJ College, Jalgaon, 5-6 February, 2011.
68. **Chaudhari Bhushan L.** (2011) Probiotics: Soldiers to combat multi-deficiency. An invited talk at University level seminar on Innovations DNCVP's ASC College, Jalgaon on 01<sup>st</sup> February, 2011
69. **Chaudhari Bhushan L.** (2011) "Probiotics which combat folate & iron deficiency" An invited talk in National Conference on 'Adv. In Microbial Biotech. & Interdisciplinary Approaches' AMBI-2011 at MJ College, Jalgaon, 27-28 Jan, 2011.
70. **Chaudhari\* Bhushan L.** (2010) 'Probiotics – for betterment of life' in Guest lecture series held at Shardabai Pawar Mahila Mahavidyalaya, Baramati, Dist. Pune on 4<sup>th</sup> October, 2010.
71. **Chaudhari\* Bhushan L.** & Ahire Jayesh J. (2010) "Probiotic attributes of folate producing Bacillus sp." In National Conference on Recent Innovations in Oil & Food Technology" held at UDCT, North Maharashtra University, Jalgaon, 23<sup>rd</sup> August, 2010
72. Mohite\* Bhavna V., **Chaudhari Bhushan L.**, Chaudhari Girish (2010) "Fermentation: An economic approach to increase mineral content of food to conquer food security" In International Conference on "Global food security: Concern, reality and remedies" held at North Maharashtra University, Jalgaon on 28-29<sup>th</sup> January, 2010.
73. **Chaudhari\* Bhsuahn L.**, "Probiotics-soldiers to combat multideficiency" invited talk at National Level UGC sponsored Conference on "Microbiology–From Education to Industry" organized by Netaji Subhashchandra Bose College Conference, Nanded, 23<sup>rd</sup> and 24<sup>th</sup> August 2008
74. **Chaudhari Bhushan L.**, "Probiotics: An emerging alternative remedy to multi-deficiency" during University of Pune Sponsored Seminar on Probiotics & Prebiotics in Drug Delivery System, organised by Sinhgad Technical Edu. Society's Sinhgad Institute of Pharmacy on 20<sup>th</sup> Aug 2008
75. **Chaudhari\* Bhsuahn L.**, Ahire Jayesh J., Patil Kanchankumar P., Shimpi Gaurav G., Shouche Yogesh S., Chincholkar S. B., "Lactobacillus sp. CD6: A potential folate producing probiotic strain isolated from Indian traditional fermented milk" In 4<sup>th</sup> International Conf. on Fermented foods, Health Status & social well-being held at Anand Agri. University, Anand, 11-12 Dec.2009, 36-38.
76. Chaudhari Priti N, **Chaudhari\* Bhushan L**, Chincholkar Sudhir B, "Studies on pharmaceutically & industrially important enzymes of *Chryseobacterium gleum*" Poster presented in International Congress on Bioprocesses in food industries (ICBF-2008) Nov., 6-8, 2008
77. **Bhushan L. Chaudhari\***, Kanchankumar P. Patil, Jayesh J. Ahire and Sudhir B. Chincholkar, "Search for microorganisms having ability to produce folic acid, vitamin B<sub>12</sub> and act as probiotics" presentation at 3<sup>rd</sup> International probiotic conference at High Tatras, Slovakia, 4<sup>th</sup> -7<sup>th</sup> June, 2008.
78. Sarode Prashant D, Rane Makarand R, Chaudhari\*, Bhushan L and Chincholkar Sudhir B. Siderophoregenic *Acinetobacter calcoaceticus* isolated from wheat rhizosphere with strong PGPR and antagonistic activity, A poster presented at New Horizons in Biotechnology NHBT 2007 Nov. 26-29, 2007 at Trivandrum.
79. **Chaudhari\*, B. L.**, "Development of Efficient Probiotic to Combat Vitamin B<sub>12</sub>, Folic Acid And Iron Deficiency" in Symposium-cum-training programme on nutrition research, 19-22 Nov. at Mahatma Gandhi Medical College, Indore, 2006

80. Fukazawa, C., Chaudhari\*, B. L., Arahira, M., "Molecular characterization of chib b2 endochitinase from soybean seed: Determination of catalytic residues responsible for twin peak activity" Presentation in the 24<sup>th</sup> meeting of Society for seed physiology and biochemistry, Kinugawa, Japan, 5-6 Dec., 2003.
81. Fukazawa\*, C., **Chaudhari, B. L.**, Lee, S. P., S. Benjamin., Ngeim, N. M. and Arahira, M., "Enhancing the catalytic activity of soluble-type epoxide hydrolase from soybean (Glycine Max [L] Merr" Presentation in the 24<sup>th</sup> meeting of Society for seed physiology and biochemistry, Kinugawa, Japan, 5-6 Dec., 2003.
82. Bureik\*, M., Nonaka, Y., Okamoto, M. and **Chaudhari, B.** and Bernhardt, R., "Production of steroid hormones by fission yeast cells expressing mammalian cytochromes P450" Poster presented at 14<sup>th</sup> Yeast meeting, Ramstadt, Germany, 15-17 Oct, 1998.
83. **Chaudhari, B. L.**, Chincholkar\*, S. B. and Wakharkar, R. D., "Siderophore production by *Curvularia lunata*" Poster presented and abstracted in the II International conference on Pharmaceutical Biotechnology, Gent, Belgium, April 1995.
84. Chincholkar, S. B. and **Chaudhari\*, B. L.**, "Studies on the influence of several physico-chemical parameters on the siderophore production and growth of *Curvularia lunata* NCIM 716" Paper presented in the International Conference on the Trends in Microbiology, Bose Institute, Calcutta, December, 1995.
85. **Chaudhari, B. L.**, Patil, S. V. and Chincholkar S. B., "Surface culture siderophore production by *Aspergillus* sp." Poster presented at the National Symposium on Trends in Biochemistry and Biotechnology of Fungi, Osmania University, Hyderabad, October, 1996.
86. **Chaudhari, B. L.**, Chincholkar S. B., "Neocoprogen-II: A siderophore of *Curvularia lunata*" A paper presented in the National Symposium on the Recent Trends in Biotechnology of Yeasts and Fungi, North Maharashtra University, Jalgaon, March, 1997.
87. Mishra, S., Talele, N. R. and **Chaudhari, B. L.**, "Effect of potato starch on biodegradation of polystyrene". A paper presented at the First polymer day celebration and National Polymer seminar, India, Govt. Engg. College, Raipur, February, 1998.
88. Garg, R. K., Sharma, R. K., Yadav, K. R., **Chaudhari, B. L.** and Kothari R. M., "Bacterial alfa amylase technology for value addition to traditional raw materials and byproducts of starch industry." A paper presented and accepted for the proceedings of the National conference on biotechnology, Institute of Science, Aurangabad, February, 1998.
89. **Chaudhari, B. L.**, Manwar, A. V., Talegaonkar, S. K. and Chincholkar S. B., "Siderophores of *Curvularia lunata* and its cross feeding studies." Poster presented in National Symposium on perspectives in Biotechnology at Warangal, February, 1999.
90. **Chaudhari, B. L.**, Phirke, N. V., Talegaonkar, S. K., Khandelwal, S. R., Manwar, A. V. and Chincholkar S. B., "Microbial iron chelators of *Alcaligenes faecalis*" Poster presented in Biotechnology of plant protection, Banaras Hindu University, Varanasi, February, 2000.
91. Patil, Shital. N., Mahajan, Shital, B and **Chaudhari, B. L.**, "Toxic petroleum waste biotransformation to commercially important vitamin." A poster presented at National seminar on Sustainable Environment: Challenges of the next millennium, Dec, 2000, Govt. College of Arts and Science, Aurangabad.



