FACULTY PROFILE

Name	:	**Dr. Jayachandra S. Yaradoddi**	
Designation	:	**Assistant Professor**	
Department	:	**Biotechnology**	
Employee ID	:	**TBT016**	
E mail ID (College official ID), (Personal mail ID)	:	jsybiotech@gmail.com	
Contact details	:	**9972067825**	
Orcid ID	:	**0000-0003-3098-1754**	
Scopus ID	:	57208106868	
Vidwan Id	:	**153699**	
Researcher ID (Web of Science)	:	K-6092-2012	
Google Scholar ID	:	**https://scholar.google.com/citations?user=Gqg7uLQAAAAJ&hl=en**	
Qualification	:	**M. Sc, Ph. D. in Biotechnology**	
Professional Experience			
Teaching experience	:	**13 Years (Research+Teaching)**	
Industry experience	:	6 Months	
Administrative Responsibilities	:	5 Years (Served as a Founder and Director of Biotech Startup)	
		Dept. Field Visit Coordinator Project Coordinator (2022) Industry visit coordinator	
Teaching	:	UG and PG	
No. of Projects Guided UG,			
PG	:	**10**	
	:	NIL	

Research Interest Area	:	**Industrial Biotechnology and Microbiology**
No. of Research Scholars Pursuing	:	**1 (Co-Guiding)**
Awarded	:	**0**
Patents	:	A novel rapid process to produce polyhydroxy alkanoates: Bioplastic through Magnesium oxide nanoparticle Inducement technique. Indian Patent (Application no: 201841018263)
Research Grants	:	1) Project Coordinator of IDEA2PoC grant, BBC, Karnataka IT, BT, And Science and Technology, Fund from Govt. of Karnataka on title "Economical production of ecofriendly bioplastic for packaging Segment" (Rs. 25 Lakhs Grant) 2017-19. 2) Recent trends in actinobacterial diversity of environment and their potential bioactive molecules, Awarded 14000 Euros under Finnish cultural foundation, Finland (Completed)
Publications Books/Chapters	:	1) Yaradoddi J.S. et al. (2021) Extremophilic Actinobacteria. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer,Singapore. https://doi.org/10.1007/978-981-16-3353-9_4 2) Yaradoddi J.S., Kontro M.H. (2021) Actinobacteria: Basic Adaptation to Harsh Environments. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds)Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_5. 3) Yaradoddi J.S., Kontro M.H., Ganachari S.V., Banapurmath N.R., Soudagar M.E.M., Divatar M. (2021) Scope of *Actinobacteria* in Bioengineering. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_10 4) Kontro M.H., Yaradoddi J.S. (2021) Microbial Ecology. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_1 5) Yaradoddi J.S. et al. (2021). Actinobacteria in Marine Environments. In:Yaradoddi J.S.,Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_2 6) Yaradoddi J.S., Kontro M.H., Banapurmath N.R., Ganachari S.V., Umesh M.K. (2021) Identification of Novel Actinomycetes. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V.(eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_8 7) Yaradoddi J.S. et al. (2021). Recent Trends of Actinomycetes in Nanotechnology. In: Yaradoddi J.S.,

Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_11
8) Kontro M.H., Yaradoddi J.S., Ganachari S.V., Banapurmath N.R., Umesh M.K. (2021). Actinomycetes in Agriculture and Forestry. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_12
9) Kontro M.H., Yaradoddi J.S. (2021) Actinomycetes in Environmental Applications. In:Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer,Singapore. https://doi.org/10.1007/978-981-16-3353-9_14
10) Kontro M.H., Yaradoddi J.S., Banapurmath N.R., Ganachari S.V., Hungund B.S. (2021). Biotechnological Importance of Actinomycetes. In: Yaradoddi J.S., Kontro M.H., Ganachari S.V. (eds) Actinobacteria. Rhizosphere Biology. Springer, Singapore. https://doi.org/10.1007/978-981-16-3353-9_15
11) Jayachandra Yaradoddi, Shoba, H., Banapurmath, N., Hunashyal, A., Sulochana, M., Shettar, A., Ganachari, S."Alternative and Renewable Bio-based and Biodegradable Plastics" Springer International Publishing AG 2018 L.M.T. Martínez et al. (eds.), Handbook of Ecomaterials, https://doi.org/10.1007/978-3-319-68255- 6_150
12) Ganachari, S., Banapurmath, N., Salimath, B., Yaradoddi, J., Shettar, A., Hunashyal, A., Venkataraman, A., Patil, P., Shoba, H., Hiremath, G. "Synthesis techniques for the preparation of nanomaterials" Springer International Publishing AG 2018 L.M.T.Martínez et al. (eds.), Handbook of Ecomaterials,https://doi.org/10.1007/978-3-319- 68255-6_149
13) Ganachari, S., Yaradoddi, J., Somappa, S., Mogre, P., Tapaskar, R., Salimath, B., Venkataraman, A., Viswanath, V.Green Nanotechnology for Biomedical, Food and Agricultural Applications, Springer International Publishing AG 2018 L.M.T.Martínez et al. (eds.), Handbook of Ecomaterials. https://doi.org/10.1007/978-3- 319-68255- 6_184
14) Ganachari, S., Mogre, P., Tapaskar, R., Yaradoddi, J., Banapurmath, N. Polyaniline Synthesis and Its Wide Range Sensor and Electronics Applications,Springer International Publishing AG 2018 L.M.T. Martínez et al. (eds.), Handbook of Ecomaterials, https://doi.org/10.1007/978-3-319-68255-6_186
15) Ganachari, S., Viannie, L., Mogre, P., Tapaskar, R., Yaradoddi, J. Conducting polymer composite based sensors for Flexible Electronics, Springer International Publishing AG 2018 L.M.T. Martínez et al. (eds.), Handbook of Ecomaterials, https://doi.org/10.1007/978-3-319-68255-6_188
16) Tapaskar, R., Revankar, P., Ganachari, S., Yaradoddi, J. Biomass Energy and Bio-Solar Hybrid Energy Systems, Springer International Publishing AG 2018 L.M.T. Martínez et al. (eds.), Handbook of Ecomaterials, https://doi.org/10.1007/978-3-319- 68255-6_187
17) Tapaskar, R., Revankar, P., Ganachari, S., Yaradoddi, J. Conventional and Renewable Energy Based Hydrogen Production, Springer International PublishingAG 2018 L.M.T. Martínez et al. (eds.), Handbook ofEcomaterials,https://doi.org/10.1007/978-3-319-68255-6_185
18) Yaradoddi, J., Kontro, M., Ganachari, S., Sulochana, M., Agsar, D., Tapaskar, R., Shettar, A. Protein Nanotechnology, Springer International Publishing AG 2018, Dr. B. I. Kharisov(Editor-in-Chief), Handbook of Ecomaterials. https://doi.org/10.1007/978-3-319-68255-6_192
19) Yaradoddi, J., Kontro, M., Ganachari, S., Sulochana, M., Agsar, D.RNA Nanotechnology, Springer International Publishing AG 2018, Dr. B. I. Kharisov (Editor-in-Chief), Handbook of Ecomaterials. https://doi.org/10.1007/978-3-319-68255-6_193
20) Yaradoddi, J., Kontro, M., Ganachari, S., Sulochana, M., Agsar, D., Tapaskar, R., Shettar, A.DNA Nanotechnology, Springer International Publishing AG 2018, Dr. B. I. Kharisov (Editor-in-Chief), Handbook of Ecomaterials.https://doi.org/10.1007/978-3-319-68255-6_191
21) Sharanabasava V. Ganachari, Leena Hublikar, Jayachandra S. Yaradoddi, and Shivalingayya S. Math. Metal Oxide Nanomaterials for Environmental Applications. Dr.B.I.

		Kharisov (Editor-in-Chief), Handbook of Ecomaterials.https://doi.org/10.1007/978-3-319-68255-6_196 22) Leena Hublikar, Sharanabasava V. Ganachari, and Jayachandra S. Yaradoddi. Green Energy Generation from Microbial Fuel Cells. Dr. B. I. Kharisov (Editor-in-Chief), Handbook of Ecomaterials. https://doi.org/10.1007/978-3-319-68255-6_195
Journals (with citations)	**:**	1. Kazi Zareenkousar, Hungund Basavaraj S., Dessai Diksha, Banapurmath Nagaraj R. and **Jayachandra S. Yaradoddi** (2022). Potential Biomedical implications of bioactive pigment and silver nanoparticles produced by the actinobacteria *Rhodococcus* sp. NCIM 5126. Research Journal of Biotechnology (**IF: 0.21**). Vol. 17 (5). Pages 160-169. 2. Zareenkousar Kazi, Basavaraj S. Hungund, **Jayachandra S. Yaradoddi** et al., (2022). Production, Characterization, and Antimicrobial Activity of Pigment from Streptomyces Species. Journal of Nanomaterials (**IF: 2.8**). Volume 2022, Article ID 3962301, 8 pages https://doi.org/10.1155/2022/3962301. 3. **Jayachandra S. Yaradoddi**, Nagaraj R. Banapurmath, Sharanabasava V. Ganachari, et al., (2021). Bio-based Material from Fruit Waste of Orange Peel for Industrial Applications. Journal of Materials Research and Technology. Volume 17, March–April 2022, Pages 3186-3197 [**Impact Factor (IF): 5.027**]. DOI: 10.1016/j.jmrt.2021.09.016 4. Kazi Zareenkousar, Hungund Basavaraj S., Dessai Diksha, Banapurmath Nagaraj R. and Yaradoddi Jayachandra S. Potential Biomedical implications of bioactive pigment and silver nanoparticles produced by the actinobacteria *Rhodococcus* sp. NCIM 5126 (2022). Res. J. Biotech. Vol. 17 (5). PP 160-169 5. **Jayachandra S. Yaradoddi**, Banapurmath, N.R., Ganachari, S.V. *et al.* (2020). Biodegradable carboxymethyl cellulose-based material for sustainable packaging application. Scientific Reports (Nature Publishers). 10, 21960 [Q1 Journal, IF: 4.4]. https://doi.org/10.1038/s41598-020-78912-z 6. **Jayachandra S. Yaradoddi**, Sulochana M.B., KontroMerja H, ParameshwarA.B.and Agsar Dayanand (2020). The Occurrence of potential and novel isolates of *Oceanobacillus* sp. JAS12 and *Salinicoccus* sp. JS20 recovered from West Coast of Arabian Sea, India. Res. J. Biotech.. 15 (9). 133-140 [Q4 Journal, IF: 0.49]. 7. **Jayachandra S. Yaradoddi**, and Sulochana M.B. (2020). Screening and characterization of bioactive compounds produced by the moderate halophile *Halobacillus* sp. JS6. Res. J. Biotech. 15 (12) [Q4 Journal, IF: 0.49]. 8. Arun Y. Patil, N. R. Banapurmath, **Jayachandra S. Yaradoddi**, B. B. Kotturshettar, Ashok S. Shettar, G. D. Basavaraj, R. Keshavamurthy,· T. M. Yunus Khan, Shridhar N. Mathad. Experimental and Simulation Studies on Waste Vegetable Peels as Bio-composite Fillers for Light Duty Applications. Arabian Journal for Science and Engineering. 44:7895–7907.https://doi.org/10.1007/s13369-019-03951-2 [Q2 Journal, Impact Factor: 2.34]. 9. Sulochana M. B., **Jayachandra S. Y.,** Anil Kumar S and Dayanand A. Siderophore as a potential plant growth-promoting agent produced by *Pseudomonas aeruginosa* JAS-25. Appl Biochem Biotechnol.; 174(1):297-308, Sep 2014. [**Impact Factor: 2.9**]

		10. Sulochana, M. B., **Jayachandra, S.Y.,** Anil Kumar, S.K. and Dayanand, A. Antifungal attributes of siderophore produced by the *Pseudomonas aeruginosa* JAS-25. J Basic Microbiol.54(5):418-24, 2014 May; [**Impact Factor: 2.2**]. 11. **Jayachandra Yaradoddi**, Vinay Patil, Sharanabasava Ganachari, Nagaraj Banapurmath, Anand Hunashyal, Ashok Shettar (2016). Biodegradable Plastic Production from Fruit Waste Material and its Sustainable Use for Green Applications. International Journal of Pharmaceutical Research and Allied Science, 5(4): 56-66. (Indexed: Web of Science). 12. **Jayachandra S. Y.,** Anil Kumar S., Yogesh S. Shouche and M. B. Sulochana "Culturable Diversity of Extremely Halotolerant Bacteria from Arabian Sea Karnataka, India" International Journal of Biology, Pharmacy and Allied Sciences. 2(2), 2013 (Indexed in web of Science). 13. Merly D. P, **Jayachandra S.Y,** K. Mohan Reddy, Anil Kumar S., Darley S.P. and M.B. Sulochana. Structural analysis of PknA protein in *Mycobacterium tuberculosis*. International journal of Biology, Pharmacy and Allied Sciences, 2(7), 1513-1525, 2013. 14. **Jayachandra S. Y.,** Parameshwar A. B., Mohan Reddy, K., and Sulochana. M. B.,. "Characterization of extracellular hydrolytic enzymes producing extremely halophilic bacterium *Virgibacillus* sp. JS5". World Journal of Science and Technology, **2(2):**23-26, 2012. 15. **Jayachandra. S. Y.,** Anil Kumar. S., Merley. D.P., and Sulochana. M. B.,. "Isolation and characterization of extreme halophilic bacterium *Salinicoccus* sp. JAS4 producing extracellular hydrolytic enzymes, Recent Research in Science and Technology **4(4):** 46-49, 2012. 16. Anil Kumar S., Arunashri R., **Jayachandra S. Y.**, and Sulochana M. B., "Screening of extracellular hydrolytic enzymes from *Marinobacter hydrocarbonoclasticas* strain AK5". Int. J. Bioscan. Volume 5(1), 2010. 17. **Jayachandra. S. Y.**, Mohanreddy K., Paramesh B., Yogesh S. Shouche and M. B. Sulochana. Screening of Halophilic Bacteria Extracellular Enzymes Production from west coast of Karnataka, India, International Journal of Universal Pharmacy and Biosciences, 3(1) 31-45, 2013. 18. K. Mohan Reddy, Merley D. Pattathil, **S. Y. Jayachandra**, A. Parameshwar, M. B. Sulochana. Docking for Drug interface residues of modelled VPS33B of human with PtpA of *Mycobacterium tuberculosis* CDC1551. International Letters of Natural Sciences 11(2). 179-196, 2014. 19. M. B. Sulochana*, Arunashree, R., Mohan Reddy K., Parameshwar, A. B. and **Jayachandra, S. Y (2015).**Isolation, Characterization and Purification of Lipase and its gene from Pseudomonas sp. RAS-4. J. Chem. Bio. Phy. Sci. Sec. B; Vol.5, No.1; 301-310 20. Mohan Reddy K., Siva Deepthi S., Parameshwar A. B., **Jayachandra S. Y.** and MB Sulochana (2015). Thermo and Alkali Tolerant Exo-Inulinase Produced by *Streptomyces* sp. Isolated from Unexplored Terrestrial Habitat. International Journal of Current Research and Academic Review, 3(10), page No. 354-363. **21.** K. Mohan Reddy, Siva Deepthi S., **Jayachandra S. Y.,**

		Parameshwar A. B, Dayanand Agsar, Bikshapathi E. and M. B. Sulochana1 (2015). In *Silico* Structural Analysis for Exo-Inulinases in Proteomes of *Streptomyces* sp. using PDB Structures as Templates**,** Int.J.*Curr.Microbiol.App.Sci* **(2015) 4(11): 858-867** 22. Parameshwar A. B., **Jayachandra S. Y**., Anil, K. S., Mohan Reddy and M. B. Sulochana (2015). Molecular Insight of Halophilic Isolates for the Production of Potential Biomolecules under Stress Condition. *Int.J.Curr.Microbiol.App.Sci* (2015) 4(11): 849-857. 21.Parameshwar A. B., Anil S. K., **Jayachandra S. Y.,** Mohan Reddy and M.B.Sulochana (2015). Influence of Heavy Metals Tolerance and Antibiotic Resistance in Pattern in *Halomonas organivorans. Int.J.Curr.Res.Aca.Rev.2015; 3(10): 364-372.* 23. Sharanabasava V. Ganachari, Anjali A Bevinakatti, **Jayachandra S Yaradoddi**, Nagaraj R Banapurmath, Anand M Hunashyal, Ashok S. Shettar, Rapid synthesis, characterization, and studies of hydroxyapatite nanoparticles". Adv. Mater. Sci. Res. 2016;1(1):9-13. 24. Ashwini Shellikeri, Vinita Kaulgud, Jayachandra Yaradoddi, Sharanabasava Ganachari, Nagaraj Banapurmath and Ashok Shettar. Development of Neem Based Bioplastic for Food Packaging Application. 2018IOP Conf. Ser.: Mater. Sci. Eng. **376.** 012052. doi.org/10.1088/1757899X/376/1/012052. 25. Arvind Binod, Sharanabasava V. Ganachari, Jayachandra S. Yaradoddi, Rakesh P. Tapaskar, Nagaraj R. Banapurmath, and Ashok S. Shettar. Biological synthesis and characterization of tri-metallic alloy (Au Ag, Sr) nanoparticles and its sensing studies. 2018 *IOP Conf. Ser.: Mater. Sci. Eng.* **376.** 012054.doi.org/10.1088/1757-899X/376/1/012054 26. Aasim U. Mokashi, Sharanabasava V. Ganachari, Jayachandra S. Yaradoddi, Rakesh P. Tapaskar, Nagaraj R. Banapurmath, and Ashok S. Shettar. Synthesis and Characterization of Nano Strontium Ferrite and its gas sensing studies. 2018 *IOP Conf. Ser.: Mater. Sci. Eng.* **376** 012055. doi.org/10.1088/1757-899X/376/1/012055 27. Naveen Gadad, Nagaraj Shivayyanavar, Leema Rose Viannie, S Y Jayachandra, Nagaraj R. Banapurmath, Ashok S. Shettar, Ashwini Shellikeri, and Vinita Kaulgud. Fabrication and development of magnetically actuated PDMS micropump for drug delivery. 2009 *Environ Res. Lett.* **4** 014013. doi.org/10.1088/1748-9326/4/1/014013.
Conferences/workshops attended and presented posters		1. Underwent Feel employable learning and development invention conducted by Department of learning and development, CLHRD, AIMS insights, an ISO:9001:2000 institute, Mangalore (25-27 Feb. 2008) 2. Participated in an awareness training program on Biodiversity-related issues and people's Register, jointly organized by Karnataka Biodiversity Board and Department of P.G. Studies and Research in Biotechnology, Gulbarga University Gulbarga (21 Sept 2007). 3. Attended one-day work shop on "Biodiesel" and "Inauguration of Biodiesel Technology Park" at Gulbarga University, Gulbarga.

4. Participated in one-day Workshop on Alternatives to Use of Animals in Life Science Education for Zoology Teachers, on July 2011 organized by Dept. of Zoology, Gulbarga University Gulbarga.
5. Participated 15 days' workshop on "Writing Scientific Manuscript" in Centre for Excellence NRCBS, Madurai Kamaraj University, Madurai held from 1-15th December 2011.
6. Participated in workshop entitled "Entrepreneurship Awareness Camp" At Madurai Kamaraj University on 10.12.2011 to 12.12. 2011.
7. Participated 15 days' workshop on "Bioresource Management" in the Center for Excellence NRCBS, Madurai Kamaraj University, Madurai, held from 8-22 October 2012.
8. Participated in 7 days workshop on "Analytical Techniques" by Dept. of Biotechnology Engineering, NMAM Institute of Technology, Nitte on 23rd-28th June 2014.
9. Participated in National Conference on "Biotechnology in Industrial and Rural Development" (NCBIRD) at Department of P.G. studies and Research in Biotechnology, Gulbarga University - Jan 2007.
10. Participated in conference "Science and Technology for human welfare" Conducted by the Gulbarga university, Gulbarga.
11. Participated in seminar on Nano Science and Technology – Curriculum Development.
12. Participated in the conference "Association of Microbiologist of India" in NCL Pune, On December 2009.
13. Attended the conference on "Fusion of Advanced Research and Teaching" in Madurai on January 2010.
14. Participated in National Symposium on "Microbes; Molecular Ecology and systematics" jointly organized by MCC (NCCS) and AMI Pune Unit on 6th-7th September 2012.
15. Participated in the International Conference on "Bio Molecular Forms and Functions" on 8th-11th January 2013 organized by Molecular Biophysics Unit IISC, Bangalore.
16. Participated Two Day's Seminar on "Bioremediation of Environmental Pollutants" on 22-23 March, 2013. Organized by Dept. of Biochemistry, Gulbarga University, Gulbarga
17. Participated in Regional Conference organized by Karnataka Science and Technology Academy (KSTA) on "Science and Technology for Harnessing Natural Resources Towards Sustainable Development" on 4-5th January, 2014 at University of Agricultural Sciences, Raichur, Karnataka.
18. Participated in two days (13-14th March 2014) lecture series on "To celebrate international year of crystallography (IYCr-2014) Looking to the future and learning from the past" jointly organized by Centre for Material Science and Dept. of Physics, BVB-CET, Vidyanagar Hubballi.

PAPER PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

1. Participated and presented poster on title "Diversity of extreme halo tolerant bacteria producing extracellular enzymes from west coast of Karnataka, India" in the international conference of **"Genomics and Biodiversity"** which was organized by CCMB, Hyderabad on February 2011.
2. Participated and presented poster entitled "Culturable diversity of extreme halotolerant bacteria from west coast of Karnataka, India" in the international conference **Association of Microbiologists of India** at Punjab University, Chandigarh on 3rd -6th November-2011.
3. Participated and presented poster on "Antifungal activity of partially purified siderophore produced by Pseudomonas aeruginosa JAS-25" in the International Conference **Biofest 2012** organized by Bright technologies Hyderabad on 12-13th of Dec 2012.
4. Participated and presented poster in the International Conference entitled "International Conference on Advances in Biotechnology and Bioinformatics (ICABB) 25-27th November-2013 on the topic "Antibiotic Susceptibility Profile and Phylogeny of Halophilic Bacteria from West Coast of Karnataka" Held at Pune.
5. Participated and presented the poster in **"ICDDMAP-2015"** jointly organized Karnataka University Dharwad and University Leiria, Portugal on 28-31st Oct 2015.
6. Vinay Patil, **Jayachandra S. Yaradoddi**, Sharanabasava V. Ganachari, Nagaraj R. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar, "Development of Sustainable Bioplastic using Marine microorganism", International Conference on Material Science & Technology (ICMTECH) 2016, Conference Center, University of Delhi, Delhi.
7. Komal Vadeyar, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj R. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar, "Biosynthesis, characterization of silver Nanoparticles for agricultural application", International Conference on Material Science & Technology (ICMTECH) 2016, Conference Center, University of Delhi, Delhi.
8. Anjali Bevinkatti, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj R. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar, "Synthesis and characterization of Hydroxyapatite", International Conference on Material Science & Technology (ICMTECH) 2016, Conference Center, University of Delhi, Delhi.
9. Vishal Wadagavi (Won 1st Best Poster Award), **Jayachandra S Yaradoddi**, Sharanabasava V. Ganachari, N R Banapurmath "Preparation of Polymeric Composites for Bio-based Film Development" One day UGC Sponsored National Level Conference on Advances in VLSI and Microelectronics on 27th January 2017, organized by Department of Electronics, PC Jabin Science College Hubli.
10. Adarsh Mattikoppa (Won 2nd Best Poster Award), Sharanabasava V. Ganachari, **Jayachandra S Y**, N R Banapurmath "Biological synthesis and characterization

studies of Copper Oxide nanoparticles using Hibiscus liliiflorus leaf extract" One day UGC Sponsored National Level Conference on Advances in VLSI and Microelectronics on 27th January 2017, organized by Department of Electronics, PC Jabin Science College Hubli.

11. Amit Dasamani, Sharanabasava V. Ganachari, **Jayachandra S Yaradoddi**, N R Banapurmath. "synthesis and characterization of polyaniline magnesia nanocomposites for ammonia sensing studies" One day UGC Sponsored National Level Conference on Advances in VLSI and Microelectronics on 27th January 2017, organized by Department of Electronics, PC Jabin Science College Hubli.

12. Pradyumna Mogre, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj Banapurmath, Shankar Hallad. "Synthesis and Characterization of Conducting Polymer (PANI)" One day UGC Sponsored National Level Conference on Advances in VLSI and Microelectronics on 27th January 2017, organized by Department of Electronics, PC Jabin Science College Hubli.

13. Arpita Anneppanavar, **Jayachandra Yaradoddi**, Sharanabasava V. Ganachari, Nagaraj B., Anand Hunashyal, Ashok Shettar. "Large scale production and extraction of Polyhydroxy alkanoates from *Halomonas* sp." International Conference on Nanomaterials and Nanotechnology. ISBN: 978-91-8825-05-0, DOI: 10.5185/icnano.2017.

14. Pradyumna Mogre, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj N.. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar. "Synthesis and characterization studies of polyaniline nano fibres" International Conference on Nanomaterials and Nanotechnology. ISBN:978-91-8825-05-0, DOI: 10.5185/icnano.2017.

15. Adarsh Mattikoppa, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj N. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar. "Biological synthesis and characterization studies of Copper Oxide nanoparticles using Hibiscus liliiflorus leaf extract", International Conference on Nanomaterials and Nanotechnology. ISBN:978-918825-05-0, DOI: 10.5185/icnano.2017.

16. Amit Dasamani, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj N. Banapurmath, Anand M. Hunashyal, Ashok S. Shettar. "Synthesis and characterization of Polyaniline magnesia nanocomposites for ammonia sensing studies" International Conference on Nanomaterials and Nanotechnology. ISBN:978-91-8825-05-0, DOI: 10.5185/icnano.2017.

17. Vishal Wadagavi, **Jayachandra Yaradoddi**, Sharanabasava V. Ganachari, Nagaraj Banapurmath. "Development of Biodegradable plastic for environmental application" Poster presented at TEQIP sponsored Five Day FDP on "Advances in Nanomaterials/Nanocomposites for Engineering Applications" 27th Feb to 03rd March 2017 Organized by Centre for Material Science, Schools of Environmental and Civil Engineering and School of Mechanical Engineering B.V.B. College of Engineering and Technology, Hubballi – 580031.

		18. Pradyumna Mogrea, Sharanabasava V. Ganachari, **Jayachandra S. Yaradoddi**, Nagaraj Banapurmath, Shankar Hallad. "Synthesis and Characterization of Conducting Polymer" Poster presented at TEQIP sponsored Five Day FDP on "Advances in Nanomaterials/Nanocomposites for Engineering Applications" 27th Feb to 03rd March 2017 Organized by Centre for Material Science, Schools of Environmental and Civil Engineering and School of Mechanical Engineering B.V.B. College of Engineering and Technology, Hubballi – 580031. 19. "Synthesis and characterization of Polyaniline Silver nanocomposites for ammonia sensing studies" Amit Dasamani, Sharanabasava V. Ganachari, **Jayachandra S Y**, N R Banapurmath. Poster presented at TEQIP sponsored Five Day FDP on "Advances in Nanomaterials/Nanocomposites for Engineering Applications" 27th Feb to 03rd March 2017 Organized by Centre for Material Science, Schools of Environmental and Civil Engineering and School of Mechanical Engineering B.V.B. College of Engineering and Technology, Hubballi – 580031. 20. "Biological synthesis and characterization studies of Silver nanoparticles using Hibiscus liliiflorus leaf extract" Adarsh Mattikoppa, Sharanabasava V. Ganachari, **Jayachandra S Y**, N R Banapurmath. Poster presented at TEQIP sponsored Five Day FDP on "Advances in Nanomaterials/Nanocomposites for Engineering Applications" 27th Feb to 03rd March 2017 Organized by Centre for Material Science, Schools of Environmental and Civil Engineering and School of Mechanical Engineering B.V.B. College of Engineering and Technology, Hubballi – 580031. 21. "Development of Natural Polymer Composites for Environmental applications" Arpita Anneppanavar, **Jayachandra Yaradoddi**, Sharanabasava V. Ganachari, Nagaraj Banapurmath. Poster presented at TEQIP sponsored Five Day FDP on "Advances in Nanomaterials/Nanocomposites for Engineering Applications" 27th Feb to 03rd March 2017 Organized by Centre for Material Science, Schools of Environmental and Civil Engineering and School of Mechanical Engineering B.V.B. College of Engineering and Technology, Hubballi – 580031. 22. Participated in Bengaluru India Nano held at Lalith Ashok, Bangalore on 7-8th December 2017.
INVITED TALKS		1) Participated and presented Invited Talk in International Conference on "Polymer processing and Characterization-2019" at Mahatma Gandhi University, Kottayam, Kerala-India on 11-13th October 2019. *2)* Delivered Invited talk on"**Development of Biodegradable Plastic Using Natural Resources"** International Conference on Polymer Science and Composite Materials held during April 14-15, 2022, Pangea Global Events. 3) Delivered Invited Lecturer organized by Dept. of Biotechnology Walchand Institute for Science and Arts 2021. 4) As a resource person, delivered a lecture on Cell culture, totipotency, and Vectors in rDNA technology for the Ph.D. scholars as per their course work syllabus on 13/06/2022, organized by the Dept. of Lifesciences, Solapur University, Solapur.

		5) Delivered a Invited lecture on "Importance of Literature Review in Research" at BVVS Akkamahadevi Womens Arts, Science and Commerce College, Bagalkote dated: 14/09/2022, IQAC Inititive workshop under Skill Development programme. 6) Delivered a Invited lecture on "Biopolymers" at BVVS Basaveshwar Science College, Bagalkote dated: 16/09/2022.
Awards and Honors		❖ Awarded "Hargobind Khorana Best Young Scientist Award-2015" by Bose Science Society (TNSRO) Tamilnadu, India. ❖ University Meritorious Studentship, Gulbarga University, Gulbarga from 23 June 2009- May 2010. ❖ UGC- JRF and SRF- Dept. of Biotechnology, GUG, from 01-02-2010 to 31-01- 2013. ❖ Honored in Regional District Science Centre, Raichur, during the celebration of National Science Day-28th Feb-2015 ❖ Received Second best oral presentation award in the "National Conference on Science and Technology for Indigenous Development in India" organized by M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru on 5-7th October 2015.
Editorial Member of Journal		Member of the Editorial board of Research Journal of Biotechnology, Journal (Indexed in Scopus and Web of Science).
Member of Professional Scientific Bodies		➢ **Fellow member** of Bose Science Society (FBSS), Tamilnadu, India. ➢ **Life member** of Biotech Research Society of India (BRSI): LM: 1451 ➢ **Life member** of International Association of Computer Science and Information ➢ Technology (IACSIT): Member NO.: 80347626 ➢ Member of Asia Pacific Chemical, Biological and Environmental Engineering Society (APCBEES): Member NO. : 201088. ➢ Member of International Society Quality Environment Management Association (MISQEM).