


	Name of Faculty	Dr C. Nagendranatha Reddy	
	Designation	Assistant Professor	
	Nature of Job/Appointment	Regular	
	Date of Joining	30th August 2019	
	E-mail	Nagendranath_biotech@cbit.ac.in	
	Education Qualifications	Name of the Degree	Class
	Ph. D	Doctor of Philosophy (Environmental Engineering and Biology)	First Class
	PG	M. Tech Biotechnology	First Class
	UG	B. Tech Biotechnology	Distinction
	Work Experience		
	Teaching	7 Years 2 months	
	Research	6 Years 5 months	
	Industry	--	
	Others	--	
	Area of Specialization	Environmental Engineering; Biofuel; Bioremediation and Integrated strategies	
	Professional Memberships	<ol style="list-style-type: none"> 1. Life Member of "The Biotech Research Society (BRSI), India" with LM No: 1455 2. Life member of "Institute of science, Engineering & Technology Research, with membership ID: 2022010109 3. Membership of World Research Council for the year 2019-2020 with Accreditation number WRC-RRF-IND-1068 4. Life Member of "European federation of Biotechnology" 	
	Responsibilities held at Institution Level	<ol style="list-style-type: none"> 1. Assistant Director- Directorate of Student Affairs and Progression 2. Convener- Co-curricular and extracurricular activities committee 3. Convener- Student Welfare Committee 4. Member- Institute Alumni Coordination Committee 5. Member- Academic Audit Committee 6. Member- Library Committee 7. Member- Disciplinary Committee 	
	Responsibilities held at Department Level	<ol style="list-style-type: none"> 1. Member, Board of Studies (BoS) 2. Member, Course Expert Group (CEG) 3. Convener, Department Research Committee (DRC) 4. Coordinator 2, Faculty and Student Research-related information 5. Coordinator 2, Program Content Committee (PCC) 6. Lab in Charge, Instrumentation Lab 7. Mentoring 8. Department Social media Ambassador 	
	Research Guidance	Guided B.Tech students on their final year projects <ol style="list-style-type: none"> 1. Sphoorthy Nadimpally (2020-21). Compact design approach for household wastewater treatment 2. Shalini Raj, Rishisree G and Rupali M (2020-21). Enhancement of polythene biodegradation by various integration strategies 3. Akhil J, Harshini, D (2021-22). Botanical infusion of Kombucha for enhanced nutritional composition 4. Rithika G, Himavarshini P and Aishwarya P (2021-22). Nutritional profile and detection mechanisms of artificially and naturally ripened fruits 5. Sourab M (2021-22). Downstream processing of monoclonal antibodies using chromatographic columns 6. Sumeet C, Shivani H (2022-23). Integrated approach of adsorption and 	

		<p>bioremediation for complete removal of textile dyes using Microbial Fuel cell</p> <ol style="list-style-type: none"> P. Kavya and Mihir Chandra (2023-24)- Development of skin care products from organic acids Shreenija Peri (2023-24)-Extraction of phytochemicals from <i>Tridax procumbens</i> and its cytotoxic effect on liver cancer cell line Ananya Surabhi and Srihitha Bocha (2024-25)- Novel Chemoattractant For Stem Cell Migration And Its Molecular Mechanism Nidhi Bidhe, P. Akshitha and Roshini Perumal (2024-25)- Co-cultivation of microalgae for efficient harvesting: Simultaneous wastewater treatment and value addition
	Awards Received	<ol style="list-style-type: none"> Appointed as a Reviewing Editor in Springer Nature's Reviewer Communities, in recognition of my valuable contributions as a trusted reviewer, effective 1st October 2025 Received a sanction of Rs 26,000/- for the organizing a program "BRSI-CBIT Biotechnology popularization and skill development program for school children" conducted during 30-31 Aug 2024 at CBIT, Hyderabad Won 2nd prize in poster presentation at the " International symposium on progress, advancements and research knowledge in biotechnology (hybrid mode) Biotech Spark 2024" organized by Bishop Heber college, Tiruchirapalli on 23.02.2024 "IEI YOUNG ENGINEER AWARD" in the field of Environmental Engineering on the occasion of thirty seventh National Convention of Environmental Engineers during 26-27 October 2023 Featured (as best scientist in Natural sciences and Biological sciences in University or Institution) in AD Scientific index (CBIT and Indian Ranking) for the years 2022 and 2023 Won First Prize for e-poster presentation on Biotechnological approaches for wastewater treatment organized by Lovely professional university, Punjab on 10.04.2021 "Innovative Researcher in Environmental Engineering" conferred upon by RULA Awards & World Research Council on 26 February, 2019 "Best PhD Thesis Award 2017" conferred upon in the 1st ISEES International Conference on "Sustainable Energy and Environmental Challenges (SEEC-2017)" by International Society for Energy, Environment and Sustainability (ISEES) at Center of Innovative and Applied Bioprocessing (CIAB), Mohali, India on 26-28th February, 2017 "BIORESTEC 2018 Impactful research award" for highest citations from the Journal of Bioresource Technology for the review paper "Waste biorefinery models towards sustainable circular Bioeconomy: Critical review and future perspective" Best poster award for the topic "Resource Management, Recovery and its applications" at International conference "Asia Pacific conference on Biotechnology for Waste Conversion (BioWC 2016)" jointly organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) and Hong Kong Baptist University, Hong Kong on 6-8 December 2016. "Outstanding Contribution in Reviewing" for December 2017 from Bioresource Technology (IF: 5.651) Highest number of votes to video titled " Novel Integrated PDBR-BET system for the remediation of textile dye based wastewater" in "Young Scientist Competition-2015" organized by Indo-European Project (Indigo Projects) (Semi-finalist). (https://www.facebook.com/IndigoProjects/app_349313058487732) "CSIR-Senior Research Fellowship (CSIR-SRF)" award with ACK No: 181006/2K9/1on 15/02/2012 from Council of Scientific and Industrial Research (CSIR), India Cover Page Article in the journal "Bioresource Technology" (Impact factor -11.889): Figure 1 of publication "Induction of anoxic microenvironment in multi-phase metabolic shift strategy during periodic discontinuous batch mode operation enhances treatment of azo dye

		<p>wastewater" has been selected as Cover Page Article for Special Issues: Challenges in Environmental Science and Engineering (CSE-2013) and International Conference on Advances in Biotechnology and Bioinformatics(ICABB- 2013) of the issue no 165 (2014)</p> <p>15. First prize for Oral presentation on "Nano medicine for Human Welfare", at National conference 'Biovision 08' organized by Bharath University, Chennai on 25th January 2008.</p> <p>16. First Prize in "Intra-Departmental Quiz" competition organized by The Department of Biotechnology, Sathyabama University, Chennai on 18th march 2008</p> <p>17. Appreciation Prize for Oral presentation on "Nanowires induced in Blood vessel for stimulating Neurons" at Audisankara College of Engg. And Technology, Gudur</p>	
	Courses Handled at Under Graduate / Post Graduate Level.	<ol style="list-style-type: none">1. Environmental Biotechnology2. Phytochemicals and Herbal Products3. Nanobiotechnology4. Basics of Biology (For CSE)5. Industrial Biotechnology6. Environmental Science7. Pharmaceutical Biotechnology8. Basics of Biology I (For Biotech)9. Introduction to Anatomy and physiology of Humans10. Enzyme Technology lab11. Plant Biotechnology Lab12. Fermentation Technology Laboratory13. Project Part I and II	
	No. of Papers Published	National Journals – 03	International Journals – 28
		National Conference – 10	International Conference – 20
	Projects Carried out	<ol style="list-style-type: none">1. Design of Zero Effluent Treatment for chloroalkali wastewater streams, M/s Gujarat Alkali and Chemicals Limited, Gujarat, India (2015).2. Design of integrated PDBR-BET bioreactor to treat textile dye effluent3. Design of biotrickling filter to treat synthetic H₂S gas at higher concentrations in continuous operation	
	Patents	--	
	Technology Transfer	Technology of "Design of biotrickling filter to treat synthetic H ₂ S gas at higher concentrations in continuous operation" to Halla OMS Co. Ltd., Republic of Korea	
	Invited Speaker	<ol style="list-style-type: none">1. Served as a resource person for Certificate Course and Internship on "Pharmaceutical Biotechnology" Course organized by Institute of Innovations, Tiruvannamalai during 17.06.2025 to 31.06.20252. Invited to deliver a talk in the International Conference on Green Chemistry and Nanotechnology: Helath, Environment and Beyond (Green Nano-2025) in online mode during 24-25 july 2025 by Institute of Innovations, Tiruvannamalai and RBVRR Women's College, Hyderabad3. Invited to deliver a talk on "Transforming waste into Wealth: the power of bioremediation" by SLS Degree College, Pullareddypeta, Andhra Pradesh on 17th April 20254. Resource person for Certificate Course and Internship on "Pharmaceutical Biotechnology" Course organized by Institute of Innovations, Tiruvannamalai during 12 -26 Aug 20245. Received certificate of appreciation for contribution to the GrassRoots Innovation Program (GRIP)- a dedicated 4 month initiative focussed on building and nurturing innovation and entrepreneurship amongst rural youth during 23-24 Feb 2024 conducted by ACIC-CBIT, Hyderabad6. Invited talk on "Cutting-edge approaches to regulate and accelerate the biological systems towards sustainability and high performance" in ATAL Faculty Development Program on "Advancements in Biotechnology and Chemical Engineering (ABC – 2024)" at 10.00 am to 11.30 am on 09th January, 2024 through Google meet	

		<ol style="list-style-type: none"> 7. Guest lecture in Daisy petals preschool, Bandlaguda Jagir, Hyderabad on 13.10.2023 8. Resource person for Certificate Course and Internship on “Pharmaceutical Biotechnology” Course organized by Institute of Innovations, Tiruvannamalai during 18.07 to 03.08 2023 9. Resource person for Certificate Course and Internship on “Food Technology” Course organized by Institute of Innovations, Tiruvannamalai during 16-30 March 2023 10. Invited talk on “Circular Bioeconomy and Biorefinery” organized by IUCEE KARE Student Chapter (IKSC), Kalasalingam Academy of Research and Education, Tamil Nadu on 22.02.2023 11. Resource person for Certificate Course and Internship on “Fermentation technology” Course organized by Institute of Innovations, Tiruvannamalai during 17-31 Jan 2023 12. Delivered a guest lecture on “Biorefineries - current prospects and future perspectives & Microbial biofuels” in AICTE Training and Learning (ATAL) Academy sponsored Faculty Development Program “Waste to Wealth: Emerging Trends in Green Energy for Sustainable Development” (ETGESD – 2022)” from 05th – 16th December, 2022 organized by Department of Biotechnology and Department of Chemical Engineering Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai – 62., Tamilnadu , India on Dec 8th 2022. 13. Resource person for Certificate Course and Internship on “Downstream Processing” Course organized by Institute of Innovations, Tiruvannamalai during 16-30 Dec 2021 14. Invited talk on “A Comprehensive view on Sustainable Management of Petroleum Industry Effluents” in 15 days internship on “Petroleum Industry Waste Management” organized by Institute of Innovations, Tamil Nadu during 16-30 November, 2021 (17.11.2021) 15. Invited talk on “Bioremediation of petroleum industry effluents for sustainable waste management” in 15 days internship on “Petroleum Industry Waste Management” organized by Institute of Innovations, Tamil Nadu during 16-30 November, 2020 16. Invited talk on “Potential applications of nanomaterials in Biofuel Production” in 10 Days Internship Program on “Nanotechnology” organized by Institute of Innovations, Tamil Nadu during 13-23 July, 2020 17. Invited Plenary Lecture Talk on “Waste Biorefinery Models towards Sustainable Circular Bioeconomy: Current Prospects and Future Perspectives” in “Online Colloquium on Prospects in Bioenergy Research” organized by Institute of Innovations, Tamil Nadu on 4th July, 2020
	No. of Books/Chapter Published with details	<p>Books and Monographs</p> <ol style="list-style-type: none"> 1. Y. Rajasri and C. Nagendranatha Reddy (2024). 2nd International Conference On Biotechnology and Interdisciplinary Technologies (iCBIT'24) (Edition-1). ISBN: 978-93-341-7017-7 2. C. Nagendranatha Reddy (2021). International Conference On Biotechnology and Interdisciplinary Technologies (iCBIT'21) (Edition-1). ISBN: 978-93-5659-820-1 <p>Book Chapters</p> <ol style="list-style-type: none"> 1. Advait, R., Bhoomika, D., Aditya, S., Mishra, B., Rajasri, Y., Sanjeeb Kumar, M., Nagendranatha Reddy, C., 2026. Production and Characterization of a Biofloculant Produced by Marine-Based Microbes and Its Applications in Wastewater Treatment. In: Mandal, S.K., Mishra, B., Shah, M.P. (eds) Biofloculants for Wastewater Treatment. Advances in Wastewater Research. Springer, Singapore. https://doi.org/10.1007/978-981-96-9764-9_16 2. Bhavana, P., Dhruithi, D., Disha, P., Laya, V., Rajasri, Y., Mishra, B., Nagendranatha Reddy, C., 2026. State of the Art and Multifaceted Applications of Biofloculants for the Remediation of Petroleum Refinery Wastewater. In: Mandal, S.K., Mishra, B., Shah, M.P. (eds) Biofloculants for Wastewater Treatment. Advances in Wastewater Research. Springer, Singapore. https://doi.org/10.1007/978-981-96-9764-9_9 3. Sanjeeb Kumar, M., Jyothika, M.K., Shreya, V.S., Sirisha, V.S.L., Sharvani,

		<p>P., Nagendranatha Reddy, C., Rajasri, Y., Mishra, B., 2024. Gene prediction through metagenomics. Editor(s): Maulin P. Shah, In Development in Wastewater Treatment Research and Processes, Microbial Metagenomics in Effluent Treatment Plant, Elsevier, Pages 63-92, ISBN 9780443135316, https://doi.org/10.1016/B978-0-443-13531-6.00013-6.</p> <p>4. Varsha, V.S., Tanmayi, B., Sanjana reddy, P., Yashasvi, K., Gourav, T., Rajasri, Y., Vijaya Laxmi, G., Sphoorthy, N., Nagendranatha Reddy, C., (2025). Nanotechnology and Microbes: Revolutionizing Water Management. In: Mohanta, Y.K., Mishra, B., Pudake, R.N. (eds) Nanomicrobiology for Sustainable Development. Springer, Cham. pp 293–329. Online ISBN 978-3-031-78845-1. https://doi.org/10.1007/978-3-031-78845-1_12</p> <p>5. C. Nagendranatha Reddy, D. Surabhi, M.C.K. Charan, R.P. Balla, K. Hamsini, P. Kavya, Rajasri, Y., B. Mishra, S.K. Mandal., Suresh, S., (2024). Aerobic and Anaerobic Digestion of Textile Industry Wastewater. Editors: Maulin P Shah, In Book Aerobic and Anaerobic Microbial Treatment of Industrial Wastewater. CRC Press. eBook ISBN- 9781003381327. DOI: https://doi.org/10.1201/9781003381327</p> <p>6. Mandal, S.K. Rishivika Shruthi Vankadara, Bhavya Thanda, Chikitha Andela, Ruthika Rasala, Bishwambhar Mishra, B. Sumithra, C. Nagendranatha Reddy, Rajasri Yadavalli., (2024). Exploring Plants and Microbes for Bioremediation of Industrial Wastewater. In: Shah, M.P. (eds) Microbial Remediation of Hazardous Chemicals from Water & Industrial Wastewater Treatment Plant. Environmental Science and Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-62898-6_7</p> <p>7. Rajasri, Y., C.S.H. Sudeshna, K.N.V. Sujatha, P. Shreenija, C. Nagendranatha Reddy, B. Mishra, S.K. Mandal., (2024). Recent Advances in Reactor Design for the Treatment of Industrial Wastewater. Editors: Maulin P Shah, In Book Aerobic and Anaerobic Microbial Treatment of Industrial Wastewater. CRC Press. eBook ISBN- 9781003381327. DOI: https://doi.org/10.1201/9781003381327</p> <p>8. Rajasri, Y., Nagendranatha Reddy, C., Mishra, B., Chandrasekhar, K., Vineetha, Y., Shalini, A., (2024). Potential Applications of Microalgae and Its Derivatives in Various Industries- A Future Bioeconomy. Editors: Nivedita Sahu, S. Sridhar, In Book Algal Biotechnology- Applications for Industrial Development and Human Welfare. CRC Press. eBook ISBN- 9781003219194. DOI: https://doi.org/10.1201/9781003219194</p> <p>9. Ch S.H. Sudheshna, Jyothika Meenakshi Kambhampati, Chinthakindhi Samanth, Gali Chaitra, Harika Reddy Pulipelli, Bhushan Vishal, C. Nagendranatha Reddy, Sanjeeb Kumar Mandal, Divya Prema Suroju, Dinesh Chand Agrawal, Bishwambhar Mishra (2024). Green carbon nanomaterials and their application in food, agriculture, and biomedicine. Editor(s): Kunal Biswas, Yugal Kishore Mohanta, Tapan Kumar Mohanta, Muthupandian Saravanan, In Progress in Biochemistry and Biotechnology, Carbon-Based Nanomaterials in Biosystems, Academic Press, Pages 61-89, ISBN 9780443155086, https://doi.org/10.1016/B978-0-443-15508-6.00009-9.</p> <p>10. S. Deepak Mohan Reddy, N. Deepika, Meghana Reddy Dropathi, S. Vishwanutha, J. Dhanish Daaman, C. Nagendranatha Reddy, Rajasri Yadavalli. Factors affecting the microalgal biomass productivity in photobioreactors (2023). Editor(s): Ranjna Sirohi, Ashok Pandey, Sang Sim, Jo-Shu Chang, Duu-Jong Lee, In Current Developments in Biotechnology and Bioengineering, 2023, Pages 59-88, Elsevier; ISBN: 978-0-323-99911-3</p> <p>11. Aishwarya, C.V.S., Caleb Joel Raj, J., Mandal, S.K., C. Nagendranatha Reddy, Mishra, B. Smart Health Care by Harnessing the Internet of Things (IoT): Applications, Challenges, and Future Aspects. (2022). In: Sindhwani, N., Anand, R., Niranjnamurthy, M., Chander Verma, D., Valentina, E.B. (eds) IoT Based Smart Applications. EAI/Springer Innovations in Communication and Computing. Springer, Cham; Print ISBN 978-3-031-04523-3; Online ISBN 978-3-031-04524-0</p> <p>12. Aruna, V., Chada, N., Tejaswini Reddy, M., Geethikalal, V., Dornala, K.,</p>
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		<p>Nagendranatha Reddy, C. Plant Synthesized Nanoparticles for Dye Degradation. (2022). In: Shah, M.P., Roy, A. (eds) Phytonanotechnology. Springer, Singapore; https://doi.org/10.1007/978-981-19-4811-4_1; Print ISBN 978-981-19-4810-7; Online ISBN 978-981-19-4811-4</p> <p>13. C. Nagendranatha Reddy, Y. Vineetha, A. Priyanka, A. Shalini, Bishwambhar Mishra, Y. Rajasri, V. Swapna Techno-economic and environmental impact analysis of biofuels produced from microalgal biomass (2022). Editor(s): Baskar Gurunathan, Renganathan Sahadevan, Biofuels and Bioenergy, Pages 687-712, Elsevier; 978-0-323-90040-9</p> <p>14. Sanath Kondaveeti, Aarti Bisht, Raviteja Pagolu, C. Nagendranatha Reddy, K. Chandrasekhar, Jung-Kul Lee. An Overview on Low-Cost Anode Materials and Their Modifications in Microbial Fuel Cells (MFCs) towards Enhancement in Performance (2022). Kuppam Chandrasekhar, Satya Eswari Jujavarapu (eds.) Bio-Electrochemical Systems: Waste Valorization and Waste Biorefinery. CRC Press; eBook ISBN9781003225430</p> <p>15. Arvind Bangaru, Kamasani Aarya Sree, Chandana Kruthiventi, Meenakshi Banala, Vadapalli Shreya, Y. Vineetha, A. Shalini, Bishwambhar Mishra, Rajasri Yadavalli, K. Chandrasekhar & C. Nagendranatha Reddy. Role of Enzymes in Biofuel Production: Recent Developments and Challenges (2022). In: Chowdhary, P., Khanna, N., Pandit, S., Kumar, R. (eds) Bio-Clean Energy Technologies: Volume 1. Clean Energy Production Technologies. Springer, Singapore; Print ISBN 978-981-16-8089-2; Online ISBN 978-981-16-8090-8</p> <p>16. C. Nagendranatha Reddy, Bishwambhar Mishra, Sanjeeb Kumar Mandal, Dinesh Chand Agrawal & Chandana Kruthiventi. An Insight into Pullulan and Its Potential Applications (2022). J. Oliveira et al. (eds.), Polysaccharides of Microbial Origin. Springer, Cham; Print ISBN 978-3-030-42214-1; Online ISBN 978-3-030-42215-8</p> <p>17. Bishwambhar Mishra, Rajasri Yadavalli, Y. Vineetha, C. Nagendranatha Reddy. Recent advancements and challenges of nanomaterials application in biofuel production (2021) in "Nanomaterials Application in Biofuels and Bioenergy Production Systems". R. Praveen Kumar et al. (eds.), Academic Press; ISBN 978-0-12-822401-4</p> <p>18. C. Nagendranatha Reddy, Sanjeet Mehariya, S. Kavitha, R. Yukesh Kannah, K. Jayaprakash, Rajasri Yadavalli, J. Rajesh Banu & Parthiba Karthikeyan Obulisamy Electro-Fermentation of Biomass for High-Value Organic Acids (2021). In: Verma P. (eds) Biorefineries: A Step Towards Renewable and Clean Energy. Clean Energy Production Technologies Springer, Singapore; Print ISBN 978-981-15-9592-9; Online ISBN 978-981-15-9593-6</p> <p>19. C. Nagendranatha Reddy, Booki Min. Biological conversion of food waste to value addition in Microbial Fuel Cell (2019) in 'Waste to Sustainable Energy: MFCs-Prospect through Prognosis'. L. Singh. et al. (eds.). CRC Press; eBook ISBN9780429448799</p> <p>20. C. Nagendranatha Reddy, Ramesh Kakarla, Booki Min. Algal biocathodes (2019) in 'Microbial Electrochemical Technology: Platform for Fuels, Chemicals and Remediation'. Biomass, Biofuels and Biochemicals. S. Venkata Mohan. et al. (eds.), Elsevier; ISBN 978-0-444-64052-9</p> <p>21. C. Nagendranatha Reddy, M. P. Sudhakar, Booki Min & P. Shanmugam. Future perspectives on cost-effective Microbial Fuel Cells (2018) in rural areas., V. Sivasankar et al. (eds.), Microbial Fuel Cell Technology for Bioelectricity. Springer, Cham; Print ISBN 978-3-319-92903-3; Online ISBN 978-3-319-92904-0</p> <p>22. C. Nagendranatha Reddy, J. Annie Modestra, A. Naresh Kumar & S. Venkata Mohan. Waste Remediation Integrating with Value Addition: Biorefinery Approach Towards Sustainable Bio-based Technologies (2015). V.C. Kalia (ed.), Microbial Factories, Biofuels, Waste treatment: Volume 1. Springer, New Delhi; Online ISBN 978-81-322-2598-0</p> <p>23. M V Rohith, P. Chiranjeevi, C. Nagendranatha Reddy, S Venkata Mohan. Photobioreactors for Microalgal Cultivation and Influence of Operational parameters (2016). Biofuels Production and future perspectives. R.S. Singh</p>
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		et al. (eds.). CRC Press; eBook ISBN9781315370743
	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).	<p>Conference Proceedings</p> <ol style="list-style-type: none"> 1. Presented a paper on "Sustainable removal and conversion of textile dyes using hydrogels and microbes" in the International Conference on Convergence in reverse engineering , advanced threats and occult research-CREATOR 25" held during 21st and 22nd August 2025 organized by Arunai Engineering College, Tiruvannamalai, Tamil Nadu, India 2. <u>C. Nagendranatha Reddy</u> 2024. Presented a paper (Oral) titled " Co-cultivation of microalgae for efficient harvesting: Simultaneous wastewater treatment and value addition" at the 2nd International Conference on Biotechnology and Interdisciplinary technologies (iCBIT-2024) held during 13-14 December 2024 at CBIT, Hyd in collaboration with FABA and BBCC club with ISBN 978-93-341-7017-7 3. <u>C. Nagendranatha Reddy</u> 2023. Participated and exhibited a product "Influence of electrode material on the overall efficiency of microbial fuel cell" on 18th November 2023 at Chaitanya Bharathi Institute of Technology, Hyderabad 4. <u>C. Nagendranatha Reddy</u> et al. 2022. Participated and exhibited a product "Integrated approach of adsorption and bioremediation for complete removal of textile dyes in microbial fuel cell" at Chaitanya Bharathi Institute of Technology, Hyderabad during Research Day celebrations conducted on 17th December 2022 5. <u>C. Nagendranatha Reddy</u> et al. 2024. Presented a oral presentation "Integrated approach of bioremediation for complete removal of textile dyes using microbial fuel cells" in the National conference on "Recent trends in Biotechnology research held on 22.03.2024 at Arunai Engineering College, Tamil Nadu 6. <u>C. Nagendranatha Reddy</u>, Rithika G, Himavarshini, 2023. Oral presentation on "Unveiling Nutritional Profiles And Detection Mechanisms Of Naturally And Artificially Ripened Fruits: Development Of A Prototype" in 6th International Conference on Bioenergy, Environment and sustainable technologies (BEST 2023) organized by Arunai Engineering College, Tiruvannamalai during 18-20 October 2023 with ISBN number 978-8-19264-259-8 7. <u>C. Nagendranatha Reddy</u>. 2021. An article on comparative study of waste water treatment methods in International Conference on Biotechnology and Interdisciplinary Technologies (iCBIT 21) organized by CBIT in association with FABA Academy during 08-12 November 2021 with ISBN: 978-93-5659-820-1 8. <u>C. Nagendranatha Reddy</u> 2021. Design of a compact, efficient and economical treatment approach for household wastewater treatment" in 5th International conference on bioenergy, environment and sustainable technologies held during 29-30 January 2021 at Arunai Engineering College, Tamil Nadu 9. Presented a poster on "Microbial electrochemical system for biomethane generation: Inorganic carbon as sustainable feed stock" in Biotechnological Approaches for wastewater treatment organized by Lovely professional university, Punjab on 10.04.2021 10. <u>C. Nagendranatha Reddy</u>, Y. Rajasri, B. Mishra, Y. Vineetha, A. Shalini., 2020. Oral presentation entitled "Conductive Granular Graphite As Alternate Electrode Material For Efficient Bioelectricity Generation In Microbial Fuel Cells" at International e-Conference on Materials Processing & Characterization – 2020 (ICMP&C - 2020) organized by Chaitanya Bharathi Institute of technology, Hyderabad during September 18 & 19th, 2020 with ISBN: 978-81-946476-9-0 11. <u>C. Nagendranatha Reddy</u>, Booki Min and S. Venkata Mohan., 2019. Oral presentation entitled "Lipid recovery from dye based effluent using two stage integrated microalgae cultivation strategy" at international conference on "New Horizons in Biotechnology (NHBT 2019)" organized by CSIR-National Institute for Interdisciplinary Science

		<p>and Technology, Kerala and the Biotech Research Society of India (BRSI) at Trivandrum, Kerala during November 20-24 2019</p> <p>12. <u>C. Nagendranatha Reddy</u> and Booki Min., 2018. Oral presentation entitled "Bioelectromethanogenesis from inorganic carbon in Microbial electrochemical systems: Influence of trace metals on conversion efficiency" at "International conference on Biotechnological research and innovation for sustainable development (BioSD 2018)" organized at Indian Institute of Chemical technology, Hyderabad on Nov 22-25, 2018.</p> <p>13. <u>C. Nagendranatha Reddy</u> and Booki Min., 2018. Oral presentation entitled "Influence of trace metals on methane formation from inorganic carbon in microbial electrochemical systems" at "Second International conference on Sustainable energy and environmental challenges (SEEC 2018)" organized at Indian Institute of Science, Bangalore on Dec 31, 2017 to Jan 3, 2018.</p> <p>14. <u>C. Nagendranatha Reddy</u> and Booki Min., 2017. Poster presentation entitled "Bioelectromethanogenesis for Biomethane Generation in a Single Chambered Microbial Electrolysis Cell" at "International conference on Alternative Fuel & Energy" (ICAFE 2017) held at Daegu, South Korea on 23-25 October 2017.</p> <p>15. <u>C. Nagendranatha Reddy</u> and J.W.C. Wong., 2016. Oral presentation entitled "A MFC-MEC integration for biogas upgradation from the UASB leachate of food waste anaerobic digestion" at "Indo-EU workshop on microbial electrochemical technologies for sustainability: Fuels, chemicals and Remediation (metSUS-2017)" organized by CSIR-Indian Institute of Chemical Technology, Hyderabad, India on 28th February, 2017.</p> <p>16. <u>C. Nagendranatha Reddy</u> and S. Venkata Mohan., 2016. Poster presentation entitled "Bioremediation of azo dye based wastewater in Bioelectrochemical treatment (BET): Influence of air exposed and air cathode configurations on the treatment efficiency" at International conference "Asia Pacific conference on Biotechnology for Waste Conversion (BioWC 2016)" jointly organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) and Hong Kong Baptist University, Hong Kong on 6-8 December 2016 with ISBN 978-988-19988-3-5</p> <p>17. <u>C. Nagendranatha Reddy</u>, M.V. Rohit, A.N. Kumar and S. Venkata Mohan., 2016. Poster presentation entitled "Nutrient Recovery Based Opportunities for Valorization of Microalgae Biomass to Value Added Products" at International conference "Asia Pacific conference on Biotechnology for Waste Conversion (BioWC 2016)" jointly organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) and Hong Kong Baptist University, Hong Kong on 6-8 December 2016 with ISBN 978-988-19988-3-5</p> <p>18. <u>C. Nagendranatha Reddy</u>, R. Karthikeyan, K.Y. Cheng, D.J. Ravindar, A. Selvam and J.W.C. Wong., 2016. Poster presentation entitled "Upgradation of biogas in a Biorefinery approach: Integrative strategy for simultaneous waste remediation and bioenergy generation" at International conference "Asia Pacific conference on Biotechnology for Waste Conversion (BioWC 2016)" jointly organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) and Hong Kong Baptist University, Hong Kong on 6-8 December 2016 with ISBN 978-988-19988-3-5</p> <p>19. <u>C. Nagendranatha Reddy</u> and S. Venkata Mohan., 2015. Poster presentation entitled "Recovery of nitrogen and metals from industrial wastewater using Microbial Electrochemical Technology" in the international conference on New Horizons in Biotechnology (NHBT 2015) jointly organized by the Biotech Research Society, India and CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram during 22-25 November 2015</p> <p>20. <u>C. Nagendranatha Reddy</u> and S. Venkata Mohan., 2015. Poster presentation entitled "Evaluation of Metabolic shift of Biocatalyst During microenvironment Variation (multiphase) in Periodic</p>
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		<p>Discontinuous Batch Reactor (PDBR) in Response to Azo-Dye based Wastewater Treatment” in the national seminar on “Recent Advances in Food Biotechnology” organized by Bhavan’s Vivekananda College, Hyderabad during 17th& 18th February 2016 with ISBN: 978-81-926619-1-9</p> <ol style="list-style-type: none"> 21. <u>C. Nagendranatha Reddy</u> et al., 2014. Oral presentation entitled "Effect of nitrogen flux in treating azo dye based wastewater by dual chambered microbial fuel cell" in International Conference on Environment and Energy (ICEE 2014) organized by JNTUH College of Hyderabad, Hyderabad on 15-17th December 2014 22. <u>C. Nagendranatha Reddy</u> et al., 2014. Poster entitled "Sequential integration of anaerobic and aerobic microenvironments in anode and cathode chambers of Bioelectrochemical treatment system to enhance treatment of azo dye based wastewater " in APAS golden Jubilee Science Congress organized by APAS,IICT and CCMB on 13-15 November 2014 23. Participated in one day seminar on “Green Cities” on the occasion of World Earth Day held at Institution of Engineers (India), AP State Centre on 22nd April 2014 as delegate 24. <u>C. Nagendranatha Reddy</u> et al., 2013. Poster entitled 'Evaluation of Metabolic shift of Biocatalyst During microenvironment variation (multiphase) in Periodic Discontinuous Batch Reactor (PDBR) in Response to Azo-Dye based Wastewater Treatment, at International Conference on Advances in Biotechnology & Bioinformatics (ICABB-2013), 25-27 Nov 2013, Pune, India 25. <u>C. Nagendranatha Reddy</u> et al., 2013. Oral presentation entitled 'Increasing the Bacterial Membrane Potential by regulating the Anode Potential in Microbial Fuel Cell for Effective Bioelectricity Generation' in Environmental Sustainability and Society: The Growing Paradigm Shift (EES-2013) held at Jaypee University of Engineering & Technology, Raghuagarh (Madhya Pradesh) on 30-31 March 2013 26. Participated in International Conference 'International Conference on Biohydrogen Production and its Applications (ICBHPA-2012)', held at JNTUH, Hyderabad in October 2012 27. <u>C. Nagendranatha Reddy</u> et al., 2008. Poster entitled "Nanotechnology-A promise towards biology and medicine" at National seminar cum workshop on Nanotechnology and Nanobiotechnology organized by Sathyabama University on 14-16th February 2008 28. Participated in International Conference and Workshop on Recent Advances in Bioengineering at SRM University, Chennai from 7-9th February 2008 29. <u>C. Nagendranatha Reddy</u> et al., 2008. Oral presentation entitled " Nano medicine for Human Welfare " at National conference 'Biovision 08' organized by Bharath University, Chennai on 25th January 2008 30. <u>C. Nagendranatha Reddy</u> et al., 2008. Oral presentation entitled "Nanowires induced in Blood vessel for stimulating Neurons" at 'Bravura 07' National conference organized by Audisankara College of Engg. And Technology, Gudur on 20th December 2007 31. Participated in International Conference and Workshop on Total Engineering, Analysis and Manufacturing Technologies at Indian Institute of Science, Bangalore from 4-6th October 2007 32. <u>C. Nagendranatha Reddy</u> et al., 2007. Poster on “Stem cells - Boon or bane?” at "Gene Revolution (GATC '07)" organized by SRM University on 17-18 Oct 2007. 33. Participated in National conference "Bioconscientia" organized by D.G.Vaishnav College on 27-28th September 2007 <p>Trainings, Workshops and Faculty Development Programs (FDPs)</p> <ol style="list-style-type: none"> 1. Attended a online short term training program (STTP) on “Essentials of Regulatory Affairs in Biosimilar Development: Bench to Market Perspective” organized by CBIT, Hyderabad during 03-07-2025 2. Participated in three day National Workshop on :NAAC Accreditation and
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		<p>outcome based education through AI powered digital learning“ organized by Osmania University during 03-05 March 2025</p> <ol style="list-style-type: none"> 3. Attended a one day CII Telangana HR Conclave 2024 program representing CBIT, Hyderabad on 10 December 2024 4. Participated in one day inhouse workshop on “New NBA evaluation guidelines for UG (B.E/B.Tech) programs in Engineering/Technology held on 22.02.2025 by IQAC cell of CBIT, Hyderabad 5. Completed MANAGE sponsored online training program on “Applications of Solar Technologies in Agriculture and Allied Sectors” organized by National Institute of Micro, Small and Medium Enterprises (Ni-MSME), Hyderabad during 03-07 Feb 2025 6. Participated in 5 days international FDP (online mode) on “Emerging Technologies and Innovations: Pioneering Environmental Sustainability (ETIPES-2024) organized by KK Wagh Institute of Engineering Education and Research, Nashik during 30.09.2024 to 04.10.2024 7. Participated in AICTE recognized FDP on “Enhancing Research capabilities for academic career progression” conducted by Entrepreneurship Development and Industrial coordination department and National Institute of Technical teachers training and research, Chandigarh from 17-23 March 2025 at CBIT, Hyderabad 8. Completed the 12 weeks course “Environmental Biotechnology” as FDP from NPTEL-AICTE during Jul-Oct 2024 9. Completed a 15 days certificate course on “Artificial intelligence and machine learning approaches for drug and vaccine design in cancer “ from Institute of Innovations (registered MSME), Tiruvannamalai during 16-30 May 2024 10. Participated in One-week online FDP on “Empowering Educators: AI Tools for Engineering and Technology (AITET-2024)” organized by Department of Chemical Engineering, Chaitanya Bharathi Institute of Technology (A), Hyderabad, during 29th January 2024 - 2nd February 2024 11. Participated in National Level One Week Faculty Development Programme (Hybrid) on “National Education Policy 2020- Challenges in implementation in Higher Education” organized by Department of EEE, IT and Physics, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana in association with IEEE Education Society Student Branch Chapter and IEEE Young Professionals from 18-23 March 2024 12. Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal from 22-03-2024 to 30-03-2024 13. Participated in Faculty training program under TSCOST-DBT Skill Vigyan Program on “Animal Cell Line Technology” during 29 Jan to 07 Feb 2024 at Centre of Biotechnology, UCESTH, Jawaharlal Nehru technological University, Hyderabad 14. Participated in One week online FDP on “Quality Education through OBE” organized by Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad- 500 075, Telangana, India., in association with IEEE Education Society Student Branch Chapter CBIT during 22nd – 27th January 2024 15. Participated in 3-day inhouse MATLAB training program on Simulink, HDL Code generation, Medical Imaging, Optimization, Electric vehicle, Machine & Deep learning Toolboxes by CBIT, Hyd during 03-05 July 2023 16. Attended One week FDP on "Avenues of Biotechnology-2023" organized by SRM Institute of Science and Technology, Chennai during 03-09 July 2023 17. Attended Management development program (MDP) on “Achieving circular economy through waste management” organized by National institute for micro, small and medium enterprises, Hyderabad during 20-24 Feb 2023 18. Attended online CeNSE DBT Nano-biotechnology Alliance (C-DNA) Familiarization Workshop organized by Centre for Nano Science and
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		<p>Engineering (CeNSE), Indian Institute of Science, Bangalore during 23-25 Jan 2023</p> <p>19. Attended one day online workshop in intellectual property commercialization organized by Turnip Innovations pvt ltd on 21.01.2023</p> <p>20. Short term course on 2D Nanomaterials: Potentials and applications through ICT organized by Applied Science Department, NITTTR during 17-21 October 2022</p> <p>21. Lecture series on "A 3 Day Popular Lecture Series on Marine Biotechnological Advancements" organized by Department of Biotechnology, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College during 10-19 October 2022</p> <p>22. A 3-day virtual popular lecture series on Antimicrobial resistance organized by Veltech Hightech Dr Rangarajan Dr Sakuntala Engineering College, Chennai during 26-29 September 2022</p> <p>23. A 5 day online FDP on "Enhancing research ecosystem on the campus" organized by mallareddy engg college, Hyderabad during 22-26 August 2022</p> <p>24. One week professional development program on "Avenues of Biotechnology" organized by Department of Biotechnology, SRMIST, Chennai during 20-26 June 2022</p> <p>25. Faculty Inhouse training program on Internal Quality Assurance Cell (IQAC) organized by CBIT, Hyderabad during 23 & 30 April 2022</p> <p>26. A 3 day FDP on Establishment and management of Business Incubators organized by ni-MSME, Hyd during 10-12 March 2022</p> <p>27. One week FDP on "Recent Trends on smart materials and their applications" organized by Vardhaman College of Engineering, Hyderabad during 07-11 February 2022</p> <p>28. Attended International webinar on "Computer aided Drug design" organized by Institute of Innovations, Tiruvannamalai on 23 January 2022</p> <p>29. Attended International e-lecture workshop on Innovation in Biotechnology and Inauguration of Nano and Biomaterials Association (NBA) organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India in association with the Biotech Research Society, India (BRSI) during 19-20 January 2022</p> <p>30. Attended Second International Conference series on 3R's Research & Progress "Advances in Animal models and Cutting Edge Research in Alternatives" Jointly organized by University of Hyderabad, ASPIRE BioNEST, OncoSeek Bio and FABA during 18-19 November 2021</p> <p>31. One week International Faculty Development Programme (Virtual) "Recent Trends in Transforming Life-Sciences: Focus on Academia & Industry Symbiosis" organized by Department of biotechnology, Nizam College(A), Osmania University, Hyderabad in association with two prestigious autonomous Colleges i.e., Government City College, Hyderabad and Loyola Academy, Hyderabad during 13-18 September 2021</p> <p>32. 5 day online FDP on "Waste to Bioenergy: A Sustainable Solution" organized by Department of Biotechnology, National Institute of Technology Andhra Pradesh, Tadepalligudem during 13-17 September 2021</p> <p>33. Attended online webinar on "NANOTECHNOLOGY APPLICATION IN FOOD PACKAGING AND ENVIRONMENTAL REMEDIATION" organized by Sathyabama Institute of Science and Technology, Chennai on 29.07.2021</p> <p>34. Attended hands on workshop on "Patents, Trademarks and Copyrights" organized by Institute Innovation Cell (IIC) - CBIT, Chaitanya Bharathi Institute of Technology (Autonomous) on 17.07.2021</p> <p>35. Attended a live webinar on "IPR Strategy and Cleantech Innovation" organized by Turnip Innovations on 16.07.2021</p> <p>36. A 5 day online workshop on "Value Added Workshop: Nano Era: Nanotechnology for Global Sustainability" organized by AMITY UNIVERSITY UTTAR PRADESH, NOIDA, during 07-11 June 2021</p> <p>37. A 5 day online FDP on "Online FDP on "Modern trends in engineering</p>
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		<p>technology" organized by HKBK College of Engineering, Bangalore during 04-08 June 2021</p> <p>38. One week online FDP on "IPR & Patent Prosecution" organized by Department of CS&E, MVSREC, Hyd in association with IIC during 24-28 May 2021</p> <p>39. Attended a 2 week comprehensive online patent information course by Turnip Innovations Pvt Ltd during 22 April to 06 May 2021</p> <p>40. Attended a online webinar on Agri-Biotechnology:Scientific and Industrial Perspective organized by FABA on 07.04.2021</p> <p>41. Participated in "International Virtual Conference on Sustainable Biotechnology" organized by Kristu Jayanti College, Bangalore during 18-19 March 2021</p> <p>42. A five day online FDP cum webinar series on "Latest trends and future prospects of Biotechnology" organized by National Institute of Technology, Andhra Pradesh during 06-10 July 2020</p> <p>43. 10 Days Internship Program on "Nanotechnology" organized by Institute of Innovations, Tiruvannamalai during 13-23 July, 2020</p> <p>44. Five Day Online Faculty Development Program on "Latest Trends and Future Prospects of Biotechnology" organized by Department of Biotechnology, National Institute of technology, Andhra Pradesh during 6-10 July 2020</p> <p>45. One Week online Faculty Development Program on "Waste to Bioenergy" organized by Sharda University, NCR and Maharashtra Institute of Technology, Aurangabad during 28 June to 4 July, 2020</p> <p>46. Attended online webinar on "Effect of automotive pollution on Environment" organized by MEA Engineering college, Kerala on 05.06.2020</p> <p>47. Participated in one day internal webinar on "Flexible energy storage devices" organized by IST, JNTU, Hyderabad and Dayalbagh Educational Institutem, Agra on 20.06.2020 under DST SERB and TEQIP III:Mentoring/Twinning system</p> <p>48. Completed online "E- Quiz on Awareness on Genetics and Evolution" organized by the P.G. Research Department of Zoology, Rajah Serfoji Government College (Autonomous), Thanjavur - 613 005, Tamil Nadu</p> <p>49. Completed and secured 80% in the national level E-Quiz on "Environmental Pollutuion & remediation" conducted by Heredity Life sciences pvt ltd from 25-30 June 2020</p> <p>50. Five Days International Symposium on "Recent Advances in Electrochemical Sciences for Energy and Environment" organized by School of Science and Humanities and Department of Chemistry of Sathyabama Institute of Science and Technology during 15-19 June 2020</p> <p>51. One Week Tequip-III sponsored short term course on "Trends and Prospects in Biorefinery" organized by Dr B.R. Ambedkar National Institute of Technology, Jalandhar during 10-14 June 2020</p> <p>52. Organized a One Week webinar cum FDP Series on "Current Progress and Future Prospects of Biotechnology" organized by Department of Biotechnology, Chaitanya Bharathi Institute of Technology (A), Hyderabad in association with Andhra Pradesh Akademi of Sciences during 8-13 June 2020</p> <p>53. Five Day Faculty Development Program on "Biofuels & its applications in IC Engines" organized by MEA Engineering College, Perinthalmanna during 1-5 June 2020</p> <p>54. One week Online faculty Development Program on "Outcome Based Education (OBE) and NBA Accreditation Process (UG) organized by Chaitanya Bharathi Institute of Technology (A), Hyderabad</p> <p>55. Five Day national Level Online Faculty Development Program on "Artificial Intelligence" organized by Department of CSE, IT and MCA in collaboration with Brain-O-Vision India Pvt. Ltd. During 22-26 May 2020</p> <p>56. participated in webinar on "Publishing Research Articles in Scopus Indexed Journals" conducted by CBIT - School of Management Studies on 24th June, 20</p> <p>57. Participated in IIC online sessions conducted by Institution's Innovation</p>
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		<p>Council (IIC) of MHRD's Innovation Cell, New Delhi during 28 April to 22 May 2020</p> <p>58. One Day Workshop on "Anaerobic digestion and Plant operations" an International workshop jointly organized by Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) and Hong Kong Baptist University, Hong Kong on 8 December 2016</p> <p>59. Two Days International Workshop "Strengthening networking on biomass research and biowaste conversion-biotechnology for Europe India integration (SAHYOG)" on "Biomass Production, Conversion and Utilization : Indian Context" 2014 organized by Appropriate Rural Technology Institute (ARTI) and Vaikunth Mehta National Institute of Cooperative Management, Pune on 22-23 May 2014</p> <p>60. Twelve Days Short Term Training on Advanced Research Techniques (START -2013), held at National Facility for Marine Cyanobacteria, Bharathidasan University, from 8-19 April 2013</p> <p>61. Two Days First Aid Training Program conducted by St. John Ambulance Association organized at Indian Institute of Chemical Technology, Hyderabad on 23 & 24th August 2012.</p> <p>62. Five Days Workshop on "Wetland Ecology and Restoration" Sponsored by TNSCST and organized by Madras Christian College, Chennai from 1-5th Sep 2010</p> <p>63. One Month Inplant training on "Environmental Monitoring in Bio Pharmaceutical Industry" at Shantha BioTechnics Limited, Hyderabad; during May 4th -June 4th, 2007.</p> <p>64. Four Months German Language course for Beginners conducted by Sathyabama University, from January to April 2006</p> <p>Trainings and Workshops CONDUCTED</p> <ol style="list-style-type: none"> Organized 2nd International Conference on Biotechnology and Interdisciplinary technologies (iCBIT-2024) as Conference Co-coordinator during 13-14 December 2024 at CBIT, Hyderabad Organized "BRSI-CBIT Biotechnology Popularization and skill development program for school children" sponsored by The Biotech research Society, India during 30-31 August 2024 Organized a workshop "Modelling, simulation and optimization of bioprocesses" in - International Conference on Biotechnology and Interdisciplinary Technologies (iCBIT-2021) held during 8-12 November 2021 Convenor and Faculty Organizer- International Conference on Biotechnology and Interdisciplinary Technologies (iCBIT-2021) held during 8-12 November 2021 Faculty Co-ordinator- <u>Five Day Online Faculty Development Program on "Latest Trends and Future Prospects of Biotechnology"</u> organized by Department of Biotechnology, CBIT, Hyderabad during 6-10 July 2020 Coordinator- <u>Sudhee 2021 (Online Departmental program held during 03-04 March 2021)</u> Organizing Member- <u>"Biotechnicas-2020" (One week hands on Workshop on "Techniques of Biotechnology"</u> organized by Department of Biotechnology, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad during 16-21 March, 2020
	Details of Journal Publications/ Conferences (National and International)	
	<p><u>International Publications:</u></p> <ol style="list-style-type: none"> Mishra, B., Kallem, P., Rajasri, Y., Sanjeeb Kumar, M., Nagendranatha Reddy, C., Sumithra, B., Lakshmayya, N.S.V., Banat, F., (2024). Industrial wastewater treatment using extracellular polymer substances/bioflocclulants: A review. Applied Water Science (IF:5.7). 15, 58. https://doi.org/10.1007/s13201-025-02401-9 N.S.V. Lakshmayya, Ashoutosh Panday, Rajasri Yadavalli, C. Nagendranatha Reddy, Sanjeeb Kumar Mandal, Dinesh Chand Agrawal, and Bishwambhar Mishra., (2024). Food Contamination with Micro-plastics: Occurrences, Bioavailability, Human Vulnerability, and Prevention. Current Nutrition & Food Science (Bentham), 20 (7), 797-810 (IF:1.1) 	

(DOI:10.2174/1573401319666230915164116)

3. Mishra, B., Mishra, A.K., Mohanta, Y.K., Yadavalli, R., Agrawal, D.C., Himavarshini, P.R., Rithika, G., **Nagendranatha Reddy, C.**, Mandal, S.K., Shamim, M.Z., Panda, J., (2024). Postbiotics: the new horizons of microbial functional bioactive compounds in food preservation and security. Food Production, Processing and Nutrition. 6:28. <https://doi.org/10.1186/s43014-023-00200-w>
4. **C. Nagendranatha Reddy**, Parashuram, K., Mounika, KVSSN., Abdul, M., Caleb, JJR., Aishwarya, CVS., Gupta, RK., Polisetti, V., Mishra, B., Rajasri, Y., Mandal, SK., Hedenquist, MS., Banat, F., (2023). Review of Microplastic degradation: Understanding metagenomic approaches for microplastic degrading organisms. Polymer testing. 128, 108223. (IF: 6.0). <https://doi.org/10.1016/j.polymertesting.2023.108223>
5. Mishra, B., Mohanta, Y.K., **C. Nagendranatha Reddy**, Reddy, S.D.M., Mandal, S.K., Yadavalli, R., Sarma, H., 2023. Valorization of agro-industrial biowaste to biomaterials: An innovative circular bioeconomy approach. Circular economy. 2, 100050. <https://doi.org/10.1016/j.cec.2023.100050>
6. Mishra, B., Mishra, A.K., Agrawal, D.C., Reddy, H.P., Gorrepati, R., **Nagendranatha Reddy, C.**, Mandal, S.K., Rajasri, Y., Shamim, M.Z., Chopra, H., Singh, I., Sharma, R., Dhama, K., Mohanta, Y.K., Panda, J., Emran, T.B., Khandaker, M.U., Faruque, M.R.I., Lorenzo, J.M., 2023. Postbiotics: Metabolites and mechanisms involved in food safety and preservation. Frontiers in Nutrition. (IF: 5.1).10:1140316. doi: 10.3389/fnut.2023.1140316
7. Rajasri, Y., Praharshita, V., Roshni, R., **Nagendranatha Reddy, C.**, Bishwambhar, M., (2023). Biological detoxification of mycotoxins: Emphasizing the role of algae. Algal Research. 71, 103039. <https://doi.org/10.1016/j.algal.2023.103039>. (IF: 4.5)
8. Alisha, C., Deepak Mohan Reddy, S., Jahanavi, M., **Nagendranatha Reddy, C.**, (2022). Gut-Brain Axis, Neurodegeneration and Mental Health: A personalized medicine perspective. Indian Journal of Microbiology. <https://doi.org/10.1007/s12088-022-01033-w> (IF: 1.6)
9. **C. Nagendranatha Reddy**, S. Kondaveeti, G.M. Krishna, B. Min (2022). Application of bioelectrochemical systems to regulate and accelerate the anaerobic digestion processes. Chemosphere. 287, 132299 (IF: 8.391)
10. **C. Nagendranatha Reddy**, Sanath Kondaveeti, Booki Min (2021). Influence of Trace Metals concentration on Methane generation using Microbial Electrochemical Systems. Process Biochemistry. 102, 213-219 (IF: 4.0)
11. Rajasri Y, Hariprasad R, John Reddy P, **C. Nagendranatha Reddy**, Chandrasekhar K (2021). Simultaneous Production of Astaxanthin and Lipids from *Chlorella Sorokiniana* in the presence of Reactive Oxygen Species: A Biorefinery Approach. Biomass Conversion and Biorefinery. <https://doi.org/10.1007/s13399-021-01276-5> (IF: 4.1)
12. Y. Rajasri, R. Hariprasad, M. Snehasri, **C. Nagendranatha Reddy**, V. Ashok Kumar, K. Chandrasekhar (2020). Simultaneous production of flavonoids and lipids from the *Chlorella Vulgaris* and *Chlorella Pyrenoidosa*. Biomass Conversion and Biorefinery. <https://doi.org/10.1007/s13399-020-01044-x> (IF: 4.1)
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