

1	Name of Faculty	Dr C. Nagendranatha Reddy	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	30th August 2019	
5	E-mail	<a href="mailto:Nagendranath_biotech@cbit.ac.in">Nagendranath_biotech@cbit.ac.in</a>	
6	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
7	Work Experience		
	Teaching	3 Years 10 months	
	Research	6 Years 5 months	
	Industry	--	
	Others	--	
8	Area of Specialization	Environmental Engineering	
9	Professional Memberships	<ul style="list-style-type: none"> <li>• Life Member of "The Biotech Research Society (BRSI), India" with LM No: 1455</li> <li>• Membership of World Research Council for the year 2019-2020 with Accreditation number WRC-RRF-IND-1068</li> </ul>	
10	Responsibilities held at Institution Level	<ol style="list-style-type: none"> <li>1. Representing teacher for Internal Quality Assurance Cell (IQAC) from 15-06-2020</li> <li>2. Member-Disciplinary Committee for Shruthi 2020</li> <li>3. Member- NAAC Accreditation</li> </ol>	
11	Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. Convenor- Departmental Research Committee (DRC)</li> <li>2. Member- Academic Audit Committee</li> <li>3. Special Invitee (Member) - Board of Studies</li> <li>4. Research Coordinator for Academic year 2019-20</li> <li>5. Member, Program Assessment Committee (PAC)</li> <li>6. Member, Course Expert Group (CEG)</li> <li>7. Member, Program Content Committee (PCC)</li> <li>8. Academic Council Coordinator-BoS minutes</li> <li>9. Co-ordinator- MoUs</li> <li>10. Co-ordinator – Guest lectures</li> <li>11. Co-ordinator-Honors degree (2019 batch)</li> <li>12. Co-ordinator- Equivalent subjects(2019 batch)</li> <li>13. Co-ordinator- Live projects (Neozion/Sudhee 2019)</li> <li>14. Class coordinator for 1st mid exams (Vth sem; 2020-21 batch)- uploading and maintenance</li> <li>15. Mentor for 3rd yr students</li> <li>16. Mentor for 2nd yr students</li> <li>17. Member- Antiragging Committee</li> <li>18. Member-Squad &amp; Disciplinary Committee</li> <li>19. Department Mentor for T Tribe program</li> <li>20. ACIC Mentor</li> <li>21. Coordinator- SUDHEE 2021</li> </ol>	
12	Research Guidance	Guided B.Tech students on their final year projects	

13	Awards Received	<ol style="list-style-type: none"> <li>1. Best Oral presentation in online conference “ Biotechnological Approaches for wastewater treatment” organized by Lovely Professional University, Punjab on 10.04.2021</li> <li>2. “Innovative Researcher in Environmental Engineering” conferred upon by RULA Awards &amp; World Research Council on 26 February, 2019</li> <li>3. “Best 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</li> <li>4. “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”</li> <li>5. 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.</li> <li>6. “Outstanding Contribution in Reviewing” for December 2017 from Bioresource Technology(IF: 5.651)</li> <li>7. 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). (<a href="https://www.facebook.com/IndigoProjects/app_349313058487732">https://www.facebook.com/IndigoProjects/app_349313058487732</a>)</li> <li>8. “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</li> <li>9. Cover Page Article: 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 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) in the journal “Bioresource Technology” (Impact factor -7.539)</li> <li>10. 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.</li> <li>11. First Prize in “Intra-Departmental Quiz” competition organized by The Department of Biotechnology, Sathyabama University, Chennai on 18th march 2008</li> <li>12. Appreciation Prize for Oral presentation on “Nanowires induced in Blood vessel for stimulating Neurons” at Audisankara College of Engg. And Technology, Gudur.</li> </ol>	
14	Courses Handled at Under Graduate / Post Graduate Level.	<ol style="list-style-type: none"> <li>1. Environmental Biotechnology</li> <li>2. Phytochemicals and Herbal Products</li> <li>3. Nanobiotechnology</li> <li>4. Basics of Biology</li> <li>5. Industrial Biotechnology</li> <li>6. Enzyme Technology lab</li> <li>7. Plant Biotechnology Lab</li> <li>8. Fermentation Technology Laboratory</li> <li>9. Project Part I and II</li> </ol>	
15	No. of Papers Published	National Journals – 03	International Journals – 21
		National Conference – 08	International Conference – 15
16	Projects Carried out	--	
17	Patents	--	
18	Technology Transfer	--	

19	Invited Speaker	<ul style="list-style-type: none"> <li>• 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</li> <li>• 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</li> <li>• 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</li> <li>• 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</li> <li>• Invited talk on “Downstream Processing” in Certificate Course on Fermentation Technology organized by Institute of Innovations, Tamil Nadu during 16-30 November, 2021</li> </ul>
20	No. of Books/Chapter Published with details	<p>Total : 11</p> <ol style="list-style-type: none"> <li>1. C. Nagendranatha Reddy, Y. Vineetha, A. Priyanka, A. Shalini, B.Mishra, Y. Rajasri, V. Swapna (2022). Techno-economic and environmental impact analysis of biofuels produced from microalgal biomass. Elsevier. Baskar Gurunathan (Eds) Biofuels and Bioenergy. DOI: <a href="https://doi.org/10.1016/B978-0-323-90040-9.00006-0">https://doi.org/10.1016/B978-0-323-90040-9.00006-0</a></li> <li>2. Sanath Kondaveeti, Aarti Bisht, Raviteja Pagolu, C. Nagendranatha Reddy, K. Chandrasekhar, Jung-Kul Lee (July 2022). An Overview on Low-Cost Anode Materials and Their Modifications in Microbial Fuel Cells (MFCs) towards Enhancement in Performance. CRC Press. Kuppan Chandrasekhar, Satya Eswari Jujavarapu (eds.) Bio-Electrochemical Systems: Waste Valorization and Waste Biorefinery, <a href="https://doi.org/10.1201/9781003225430">https://doi.org/10.1201/9781003225430</a></li> <li>3. Arvind Bangaru, Kamasani Aarya Sree, Chandana Kruthiventi, Meenakshi Banala, Vadapalli Shreya, Y. Vineetha, A. Shalini, Bishwambhar Mishra, Rajasri Yadavalli, K. Chandrasekhar &amp; C. Nagendranatha Reddy (May 2022). Role of Enzymes in Biofuel Production: Recent Developments and Challenges. In: Chowdhary, P., Khanna, N., Pandit, S., Kumar, R. (eds) Bio-Clean Energy Technologies: Volume 1. Clean Energy Production Technologies. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-8090-8_4">https://doi.org/10.1007/978-981-16-8090-8_4</a></li> <li>4. C. Nagendranatha Reddy, B.Mishra, S.K. Mandal, D.C. Agrawal, C. Kruthiventi (2021). An Insight into Pullulan and Its Potential Applications. Springer Nature Switzerland AG 2021, J. Oliveira et al. (eds.), Polysaccharides of Microbial Origin, <a href="https://doi.org/10.1007/978-3-030-35734-4_15-1">https://doi.org/10.1007/978-3-030-35734-4_15-1</a></li> <li>5. Bishwambhar Mishra, Rajasri Yadavalli, Y. Vineetha, C. Nagendranatha Reddy* (2021). Recent advancements and challenges of nanomaterials application in biofuel production in “Nanomaterials Application in Biofuels and Bioenergy Production Systems” Elsevier. R. Praveen Kumar et al. (eds.), Accepted (ISBN:978-0-12-822401-4)</li> <li>6. C. Nagendranatha Reddy, Sanjeet Mehariya, Kavitha, R. Yukesh Kanna, K. Jayaprakash, Rajasri Yadavalli, Rajesh Banu, Obulisamy Parthiba Karthikeyan (2020). Electro-Fermentation of Biomass for High-Value Organic Acids. In: Verma P. (eds) Biorefineries: A Step Towards Renewable and Clean Energy. Clean Energy Production Technologies. Springer, Singapore. pp 417-436, <a href="https://doi.org/10.1007/978-981-15-9593-6_16">https://doi.org/10.1007/978-981-15-9593-6_16</a></li> <li>7. C. Nagendranatha Reddy, B.Min (2019). Biological conversion of food waste to value addition in Microbial Fuel Cell in ‘Waste to Sustainable Energy: MFCs-Prospects through Prognosis’. CRC Press. L. Singh. et al. (eds.), ISBN: 9781138328211</li> <li>8. C. Nagendranatha Reddy, K.Ramesh, B.Min (2019). Algal biocathodes in ‘Microbial Electrochemical Technology: Platform for Fuels, Chemicals and Remediation’. Biomass, Biofuels and Biochemicals. Elsevier. S. Venkata Mohan. et al. (eds.), <a href="https://doi.org/10.1016/B978-0-444-64052-9.00021-2">https://doi.org/10.1016/B978-0-444-64052-9.00021-2</a></li> <li>9. C. Nagendranatha Reddy, M.P. Sudhakar, B. Min, P. Shanmugam (2018). Future perspectives on cost-effective Microbial Fuel Cells in rural areas. Springer International Publishing AG, part of Springer Nature 2018, V. Sivasankar et al.</li> </ol>

		<p>(eds.), Microbial Fuel Cell Technology for Bioelectricity. <a href="https://doi.org/10.1007/978-3-319-92904-0_14">https://doi.org/10.1007/978-3-319-92904-0_14</a></p> <p>10. C. Nagendranatha Reddy, J.A. Modestra, A.N. Kumar, S. Venkata Mohan (2016). Waste Remediation Integrating with Value Addition: Biorefinery Approach Towards Sustainable Bio-based Technologies. Springer India.231-256. V.C. Kalia (ed.), Microbial Factories, Biofuels, Waste treatment: Volume 1. DOI 10.1007/978-81-322-2598-0_14</p> <p>11. M.V. Rohit, P. Chiranjeevi, C. Nagendranatha Reddy, S. Venkata Mohan (2016). Photobioreactors for Microalgal Cultivation and Influence of Operational parameters. Biofuels Production and future perspectives. Taylor &amp; Francis. R.S. Singh et al. (eds.) (Print ISBN: 978-1-4987-2359-6)</p>
21	<p>Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (<b>Attended and/or Organized</b>).</p>	<ol style="list-style-type: none"> <li>1. Rupali, Shalini, Rishisree, C. Nagendranatha Reddy., 2021. Participated in International Virtual Conference on Sustainable Biotechnology organized by Kristu Jayanti College, Bangalore</li> <li>2. Participated in online webinar titled “ Agri-Biotechnology: Scientific and Industrial Perspective” organized by FABA Academy on 07.04.2021</li> <li>3. Oral presentation titled “Approaches to improve biomethane in microbial electrochemical systems” in online conference “ Biotechnological Approaches for wastewater treatment” organized by Lovely Professional University, Punjab on 10.04.2021</li> <li>4. Sphoorthy N, C. Nagendranatha Reddy 2021, compact wastewater treatment plant. BEST 2021 conference</li> <li>5. C. Nagendranatha Reddy, 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 &amp; Characterization – 2020 (ICMP&amp;C - 2020) organized by Chaitanya Bharathi Institute of technology, Hyderabad during September 18 &amp; 19th</li> <li>6. C. Nagendranatha Reddy, 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 and Technology, Kerala and the Biotech Research Society of India (BRSI) at Trivandrum, Kerala during November 20-24 2019</li> <li>7. C. Nagendranatha Reddy 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.</li> <li>8. C. Nagendranatha Reddy 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.</li> <li>9. C. Nagendranatha Reddy and Booki Min., 2017. Poster presentation entitled “Bioelectromethanogenesis for Biomethane Generation in a Single Chambered Microbial Electrolysis Cell” at “International conference on Alternative Fuel &amp; Energy” (ICAFE 2017) held at Daegu, South Korea on 23-25 October 2017.</li> <li>10. C. Nagendranatha Reddy and J.W.C. Wong., 2016. Oral presentation entitled "A MFC-MEC integration for biogas upgradation from the UASB leachate of food waste anaerobic</li> </ol>

		<p>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> <ol style="list-style-type: none"> <li>11. C. Nagendranatha Reddy 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 (ISBN 978-988-19988-3-5).</li> <li>12. C. Nagendranatha Reddy, 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.</li> <li>13. C. Nagendranatha Reddy, 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.</li> <li>14. C. Nagendranatha Reddy 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</li> <li>15. C. Nagendranatha Reddy and S. Venkata Mohan., 2015. Poster presentation 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" in the national seminar on "Recent Advances in Food Biotechnology" organized by Bhavan's Vivekananda College, Hyderabad during 17th&amp; 18th February 2016</li> <li>16. C. Nagendranatha Reddy 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</li> <li>17. C. Nagendranatha Reddy 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</li> <li>18. 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</li> </ol>
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19. C. Nagendranatha Reddy 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
20. C. Nagendranatha Reddy 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
21. Participated in International Conference 'International Conference on Biohydrogen Production and its Applications (ICBHPA-2012)', held at JNTUH, Hyderabad in October 2012
22. C. Nagendranatha Reddy 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
23. Participated in International Conference and Workshop on Recent Advances in Bioengineering at SRM University, Chennai from 7-9th February 2008
24. C. Nagendranatha Reddy 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
25. C. Nagendranatha Reddy 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
26. Participated in International Conference and Workshop on Total Engineering, Analysis and Manufacturing Technologies at Indian Institute of Science, Bangalore from 4-6th October 2007
27. C. Nagendranatha Reddy et al., 2007. Poster on "Stem cells - Boon or bane?" at "Gene Revolution (GATC '07)" organized by SRM University on 17-18 Oct 2007.
28. Participated in National conference "Bioconscientia" organized by D.G.Vaishnav College on 27-28th September 2007

Trainings and Workshops attended

29. 2-weeks comprehensive online patent information course organized by Turnip Innovations, Mumbai from 22.04.2021 to 06.05.2021
30. One week online FDP on "IPR & Patent Prosecution" organized by Department of CS&E, MVSREC, Hyd in association with IIC from 24.05.2021 to 28.05.2021
31. Online FDP on "Modern trends in engineering technology" organized by HKBK College of Engineering, Bangalore from 04.06.2021 to 08.06.2021
32. 10 Days Internship Program on "Nanotechnology" organized by Institute of Innovations, Tiruvannamalai during 13-23 July, 2020
33. 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
34. 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

35. 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
36. 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
37. 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
38. Five Day Faculty Development Program on "Biofuels & its applications in IC Engines" organized by MEA Engineering College, Perinthalmanna during 1-5 June 2020
39. 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
40. 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
41. 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
42. 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
43. 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
44. 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.
45. Five Days Workshop on "Wetland Ecology and Restoration" Sponsored by TNSCST and organized by Madras Christian College, Chennai from 1-5th Sep 2010
46. One Month Inplant training on "Environmental Monitoring in Bio Pharmaceutical Industry" at Shantha BioTechnics Limited, Hyderabad; during May 4th -June 4th, 2007.
47. Four Months German Language course for Beginners conducted by Sathyabama University, from January to April 2006

Trainings and Workshops CONDUCTED

48. Organizing Member- "Biotechnicas-2020" (One week hands on Workshop on "Techniques of Biotechnology" organized by Department of Biotechnology, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad during 16-21 March, 2020
49. Faculty Co-ordinator- 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

22	Details of Journal Publications/ Conferences (National and International)	
<p><b><u>National Journals</u></b></p> <ol style="list-style-type: none"> <li>1. C. Nagendranatha Reddy, K. Arunasri, Y.D. Kumar, K.V. Krishna, S. Venkata Mohan (2016). Qualitative in vitro evaluation of Plant Growth Promoting Activity of Electrogenic Bacteria from Biohydrogen producing Microbial Electrolysis Cell towards Biofertilizer Application. <i>Journal of Energy and Environmental Sustainability</i>. 1, 47-51.</li> <li>2. S. Venkata Mohan, S. Dahiya, G. Velvizhi, C. Nagendranatha Reddy (2016). Eco-Villages: Holistic Approach towards Sustainable Rural Development. <i>Journal of Energy and Environmental Sustainability</i>. 2, 55-63</li> <li>3. S. Venkata Mohan, K. Amulya, J.A. Modestra, O. Sarkar, A.N. Kumar, M.V. Rohith, C. Nagendranatha Reddy (2014). Bioenergy from waste remediation: Recent Advances towards Environmental Biorefinery- Invited article for inaugural of JUET Research journal of Science and Technology. 1, 73-84</li> </ol> <p><b><u>International Publications:</u></b></p> <ol style="list-style-type: none"> <li>1. Alisha, C., Deepak Mohan Reddy, S., Jahanavi, M., Nagendranatha Reddy, C., (2022). Gut-Brain Axis, Neurodegeneration and Mental Health: A personalized medicine perspective. <i>Indian Journal of Microbiology</i>. <a href="https://doi.org/10.1007/s12088-022-01033-w">https://doi.org/10.1007/s12088-022-01033-w</a></li> <li>2. C. Nagendranatha Reddy, S. Kondaveeti, G.M. Krishna, B. Min (2022). Application of bioelectrochemical systems to regulate and accelerate the anaerobic digestion processes. <i>Chemosphere</i>. 287, 132299 (IF: 8.943)</li> <li>3. C. Nagendranatha Reddy, Sanath Kondaveeti, Booki Min (2021). Influence of Trace Metals concentration on Methane generation using Microbial Electrochemical Systems. <i>Process Biochemistry</i>. 102, 213-219 (IF: 4.885)</li> <li>4. Rajasri Y, Hariprasad R, John Reddy P, C. Nagendranatha Reddy, Chandrasekhar K (2020). Simultaneous Production of Astaxanthin and Lipids from <i>Chlorella Sorokiniana</i> in the presence of Reactive Oxygen Species: A Biorefinery Approach. <i>Biomass Conversion and Biorefinery</i> (IF: 4.050)</li> <li>5. Y. Rajasri, R. Hariprasad, M. Snehasri, C. Nagendranatha Reddy, V. Ashok Kumar, K. Chandrasekhar (2020). Simultaneous production of flavonoids and lipids from the <i>Chlorella Vulgaris</i> and <i>Chlorella Pyrenoidosa</i>. <i>Biomass Conversion and Biorefinery</i>. <a href="https://doi.org/10.1007/s13399-020-01044-x">https://doi.org/10.1007/s13399-020-01044-x</a> (IF: 4.050)</li> <li>6. J.A. Modestra, C. Nagendranatha Reddy, K.V Krishna, B. Min, S. Venkata Mohan (2020). Regulated surface potential impacts bioelectrogenic activity, interfacial electron transfer and microbial dynamics in microbial fuel cell. <i>Renewable Energy</i>. 149, 424-434. (IF: 8.634)</li> <li>7. C. Nagendranatha Reddy, S. Bae, B. Min (2019). Biological removal of H<sub>2</sub>S gas in a semi-pilot scale biotrickling filter: Optimization of various parameters for efficient removal at high loading rates and low pH conditions. <i>Bioresource Technology</i>. 285, 121328. (IF: 11.889)</li> <li>8. C. Nagendranatha Reddy, H.T.H. Nguyen, M.T. Noori, B. Min (2019). Potential applications of algae in the cathode of microbial fuel cells for enhanced electricity generation with simultaneous nutrient removal and algae biorefinery: Current status and future perspectives. <i>Bioresource Technology</i>. 292, 122010. (IF: 11.889)</li> <li>9. F. Carla, C. Nagendranatha Reddy, B. Min (2019). 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