Curriculum Vitae

Name	**Dr. Bhatt Nikhil Sumantray**
Designation	Professor in Microbiology
Work Address	P. G. Department of Microbiology, Talim Kendra Campus, Gujarat Vidyapith, SADRA-382320, District: Gandhinagar, Gujarat, India
Permanent Address	102: Pushpdent Apartment, 9, Milanpark Society, Nr, President Hotel, Swastik Cross Roads, Off C.G. Road, Navrangpur, Ahmedabad-380 009 Gujarat, India.
Phone	(O): 079-23274321 (M): +91-9879483847
E-Mail	bhattnikhil2114@gmail.com
Birth Date	September 26th 1968
Nationality	Indian
Language	Gujarati, Hindi and English

Brief Information on Doctor of Philosophy

Research Title: Biodegradation of Dyes in Textile and Dyestuff Industrial wastewaters

Research Guide: Professor Dr. Datta Madamwar and Professor Dr. K. C. Patel

University: Sardar Patel University, Vallabh Vidyanagar, Gujarat, India.

Educational Qualification

No	Degree	Year	College/University	Result
1	B.Sc. Biochemistry	April-1989	C.U. Shah science College, Gujarat University, Ahmedabad	66.%
2	M.Sc. Biochemistry	April-1991	Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar	60%
3	Ph.D. Biochemistry	December-2002	Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar	Degree Awarded

Employment Details

No	Name of Company/organization	Designation	Joining Date	Date of Leaving	Reason
1.	P.G. Department of Microbiology and Biogas Research Center, Gujarat Vidyapith, SADRA	**Professor** **Associate Professor** in Microbiology **Lecturer** in Microbiology	2012 2006 Feb 1st 1995	- - 	Continuation Promotion Promotion
2	Biogas Research Center, Gujarat Vidyapith, SADRA	**Research** Assistant	Nov 1st 1993	Jan 31st 1995	Promotion
3	Jilly Chem Pharma (I) Ltd, G.I.D.C. Vatva, Ahmedabad (**Pharmaceuticals Division**)	**Production** Chemist in Oral Liquid, Ointment, Tablets, Capsules and IV Fluids	Dec 1st 1992	Oct 31st 1993	Joined at Research Center, Gujarat Vidyapith
4	Searle (I) Limited, G.I.D.C. Ankleshwar (**Pharmaceuticals Division**)	Chemist cum Microbiologist in **Quality Control** Department	May1st 1991	Nov 11th 1992	Due To Health

Research Experience

GUIDANCE GIVEN FOR DISSERTATION IN M. Sc. MICROBIOLOGY

No	Name of Student	Title of Dissertation Thesis
		2018
1	Riyasat Bhoraniya	Citric acid Production by Yeast on Post Methanated Wastewater
2	Payal Suvariya	Citric acid Production by Fungi on Post Methanated Wastewater
3	Vanita Savaliya	A Preliminary Study on: Bacterial Biodegradation of Ortho Chloro Phenol
4	Roshani Bhuva	A Preliminary Study on: Bacterial Biodegradation of Cresol
5	Ravina Sagpariya	A Preliminary Study on: Bacterial Biodegradation of Resorcinol
6	Shraddha Vaghela	Bacterial Reduction of Hexavalent Chromium Containing Electroplating Wastewater
7	Rupal Bhalala	A Preliminary Investigation on Microbial Transformation of Iron
8	Nikita Panjavani	A Study on Bacterial Degradation of Nitrobenzene
9	Dhara Vadher	A Study on: Biodegradation of Post Methanated Distillery Spent Wash by Bacteria
10	Gopi Prajapati	Bacterial Treatment Strategies for Removal of Colorant Compound from Spent wash
11	Shilpa Nikuliya	A Study on: Biodegradation of Post Methanated Distillery Spent Wash by Fungi
12	Nirav Gosai	A Study on Bacterial Degradation of Simulated Waste Water Containing Hydroquinone
13	Suresh Sosa	Microbial Profiling of different Wetland Sites of Nal Sarovar
14	Shahebkhan Pathan	A Study on Nanoparticle Transforming Bacteria
15	Jaydeep Kapadiya	Microbiological Studies on Rhizospheric Zone of Nal Sarovar Wetland
		2017
16	Swati Rupapara	Bacterial Chromate Reductase: A Potential Enzyme for Reduction of Hexavalent Chromium.
17	Minal Pethani	Evaluation of Chromate Reductase Activity in the Cell-Free-Culture Filtrate of Chromium Resistant Isolate.
18	Drashti Maradiya	Toxicity Attenuation Under Electroplating Wastewater Through Different Bioreactor Strategies.
19	Ekta Limbani	A Study on Biological Removal of Chromium by Fungi
20	Akshay Aahir	Application of Bioinformatics in the Prediction and Identification of Potential Antimicrobial Synthetic Drugs

21	Dipika Patel	Investigation of Biotransformation of Pentachlorophenol by Newly Isolated Native Bacterial Consortium.
22	Rashmi KhaKhriya	A Comprehensive Study on Bioremediation of Mixed Phenolics through the Action of Bacterial Consortium
23	Hetal Chavda	Enhanced Biodegradation of p-Nitrophenol by Newly Enriched Bacterial Consortium Isolated from Hydrocarbon Contaminated Soil.
24	Bhoomi Vadhiya	Characterization of Different Process Designs for Solvent Production by Free and Surface Adsorption Cells System.
25	Suruchi Mathukiya	Biofuel Production From Distillery Spent Wash: Process Development and Optimization.
26	Shruti Saradhara	Study of Biobutanol Fuel Production Through Different Process Strategies.
2016		
28	Aarti Kanani	Enzymatic Deconstruction of Agrowaste for Bioethanol (Biofuel) Production and Biofermentation
29	Amit Chaudhari	Bioremediation of Chromophore Linked Contaminated Wastewater through Different Bioreactor Strategies
30	Jalpa Kalkani	A Lab Scale Approch for Biodegradation of Phenol
2015		
31	Payal Aghera	Metabolism of Azo Dye by Enriched Bacterial Consortium and Effects of Various Factors on Degradation
32	Sandhya Makwana	Fungal Xylanase Production on Agro-residues: Properties and Saccharification Potential
2014		
33	Darshita Prajapati	Biological removal of toxic cadmium by bacterial consortium from waste water
34	Pooja Hirpara	Laboratory scale studies on microbial removal of chromium from electroplating waste water
2013		
35	Hetika V. Patel	Treatment of dairy wastewaters by bioreactors
36	Suchi C. Dave	An investigation on biodegradation of phenol
37	Ruchita G. Bhuva	A study on: Bacterial β- galactosidase
38	Reena R. Rangani	A study on: Bacterial L- asparaginase
39	Amita Y. Mishra	A study on biosynthesis of cellulase by yeast strain
2012		
40	Sonal M. Chaudhari	Decolorization and degradation of reactive dye Jacofix brill Red C5B by bacterial consortium
41	Anand M. Dave	Virtual screening of heterobased ligand library for protein kinase inhibitor for anticancer activity
42	Priti C. Thakor	A study on: fungal hydrolytic action of xylanase on

		Pearl millet (Bajara bran) by solid state fermentation
43	Dimple R. Vagadiya	A study on: Decolorization, degradation and azo reductase activity in the process of bacterial transformation of Reactive Red HE8b
44	Suhagi D. Patel	Isolation, identification of bacterial culture for azo dye degrading capability
45	Harsa M. Vaghasiya	Biodegradation study on reactive blue 222 by bacterial consortium
46	Sapna M. Thummar	Biotransformation of Reactive Red M8B by bacterial consortium
47	Nidhi H. Gesota	Virtual screening for antimicrobial activity from database of heterocyclic compounds (Heterobase)
2011		
48	Rasida Y. Jethara	A study on bacterial enzyme: Thermophilic amylase
49	Sapna D. Patel	Bacterial decolorization and degradation of acid dye Acid Red 119
50	Jyotika S. Nayi	Bioconversion of cellulosic ground nut shell waste by bacterial isolate
51	Nikhil R. Jadav	Production of alkaline protease by *Bacillus sp.*
52	Dipti R. Parikh	Enzymatic hydrolysis of cellulosic coconut shell waste by *Bacillus sp.*
53	Kinjal P. Jani	A study on thermophilic bacterial amylase by submerged fermentation
54	Vishal J. Patel	Decolorization and biodegradation of reactive dye
2010		
55	Kshama H. Balapure	Isolation of potent yeast strain for single cell protein production
56	Dharmesh N. Adhyaru	Production of single cell protein by yeast cells under submerged fermentation condition
57	Vikram R. Shetty	Bacterial decolorization and degradation of reactive dyes
2009		
58	Zeenat A. Khan	A study 0n “Potential of Agrcultural Residues for Ethanol Production
59	Mona S. Chaudhari	Biosynthesis of cellulase in solid state fermentation with *Trichoderme ressi* NCL 992
60	Purvi N. Patel	A study on effectiveness of agroresidues on bioethanol production by yeast cells
61	Vandana M. palodra	A study on biosynthesis of fungal amylase by solid state fermentation
62	Jaldip C. Kansara	Solid state fermentation of lignocellulosic waste for cellulase biosynthesis by cultivation of *Aspergillus oryzae* NCL 1212
2008		

63	Jyoti S. Chandvani	The enzymatic hydrolysis and fermentation of sawdust using *Cellulomonas flavigena* 2481
64	Amit V. Mangrola	*In vitro* biosynthesis of indole- 3- acetic acid (IAA) by *Rhizobium spp.*
65	Pradip V. Zaloriya	Biosynthesis of indole acetic acid by *Azotobacter spp.*
66	Mansi N. Sadariya	The soil enzyme activity: Alkaline phosphatase
67	Bhumi B. Shethia	A study on soil enzyme: Urease
68	Hiral Y. Shah	Optimization of extracellular amylase production by isolated *Bacillus sp.*
2007		
69	Lalitkumar J. Chauhan	The response of characterized *Azotobacter* as a liquid biofertilizer to Vigna radiata, *Triticum aestivum* and *Trigonella foenumgraecum*: A pot and field experiment
70	Bhumikaben P. Patel	A study on: The use of earthworm in the breakdown of organic wastes and field trial with vermicompost: As a organic fertilizer
71	Jemini M. Gadhiya	Promotive effect of *Rhizobium sp*. applied in liquid formulation to *Vigna radiata* and *Trigonella foenumgraecum*: A pot and field experiment
72	Asma R. Sherasiya	Influence of nutrient uptake and plant growth promotion on *Sorghum bicolor* and *Trigonella foenumgraecum* to liquid culture of phosphate solubilizing *Bacillus sp.* for sustainable agriculture
73	Shraddha M. Morad	A study on: Recycling of organic wastes through vermicomposting; and vermicast: As a plant growth supporter
74	Nirav H. Bhavsar	Influence of characterized *Rhizobium* isolate as a liquid biofertilizer to *Cicer arintinum* and *Trigonella foenungraaecum*: A case study
75	Kruti S. Patel	Effect of phosphorus uptake and growth promotion of Sorghum bicocol and *Trigonella foenumgraecum* by native phosphate solubilizar *Pseudomonas* as liquid biofertilizar
2006		
76	Dhavalkumar K. Acharya	Anaerobic treatment of dairy wastewaters with laboratory scale upflow fixed film anaerobic reactor and biotransformation of dairy biosolids (sludge) by novel vermitechnology
77	Darhsana R. Mistry	Vermicomposting an alternative option for recycling of organic wastes in rural India
78	Sangita A. Patel	Bioconversion of agricultural residues by *Eisenia foetida* in novel bamboo basketbin
79	Rachana M. Shukla	Co digestion of industrial sludge by conventional anaerobic digester for biogas recovery and

		vermicomposting technology for waste management
80	Vijay K. Bhoraniya	Effect of mixing digested slurry on the total biogas production from cattle dung in batch digester
2005		
81	Bhavik K. Acharya	Biogas from distillery wastewater- A study on upflow anaerobic fixed film bioreactor
82	Bina B. Patel	Generation of biogas from corn cob waste by conventional reactor: A study on co-digestion
83	Janki A. Patel	Biomethanation of hazardous industrial sludge by conventional reactor: A study on solid waste management by co-digestion
2004		
84	Pradeep Manglani	Biodegradation and Biomethanation of caprolactum (petrochemical) wastewater by up-flow anaerobic fixed film bioreactor
85	Bhumi Vyas	Biodegradation, decolorization and biomethanation of dyestuff wastewaters containing reactive azo dye (C.I. Red 198) by upflow anaerobic fixed film bioreactor
2003		
86	Srutikant Nayak	Isolation and characterization of raspberry red (Blend of NaCl and Carmosine C.I. 14720, Sunset yellow F.C.F.C. I. 15985) decolorizing and degrading micro organisms
87	Divyesh K. Chauhan	Antimicrobial activity of natural herbal extracts and natural product. ["Gau mutra": Cow urine] [Study of *Allium sativum, Zingeber officinale, Syzigum aromaticum, Curcuma longa* and *Trigonella foenum graecum*]
2002		
88	Amankumar R. Thakur	"A survey on individual biogas plant of Gandhinagar district"
89	Apurvagamsaran S. joshi	"Drinking water analysis" of Gandhinagar district
2001		
90	Hitesh Patel	Isolation and identification of reactive black RL dye decolorizing and degrading microorganism
91	Ketan A. Modi	Isolation and identification of synthetic carcinogenic food color Trisodium salt of 1- (4 sulfol- 1- napthylazo)- 2- napthol – 6, 8- disulfonic acid decolorizing microorganisms
92	Darshana A. Shah	Isolation and identification of dye intermediate paraamino azo benzene 4 sulfonic acid (PAABSA) decolorizing and biodegrading microorganisms.
93	Mamta J. Gediya	Bioconversion of lignocellulosic waste by submerged

		fermentation and solid state fermentation
94	Nishant S. Junnarkar	Decolorization of diazo dye Direct Red 81 by a novel bacterial consortium

GUIDANCE GIVEN FOR RESEARCH IN M. Phil. MICROBIOLOGY

No	Name of Student	Title of M.Phil. Thesis	Year
2010			
1	Razia A. Khan	Decolorization and degradation of structurally rigid azo dyes	
2	Vipul R. Patel	The microbial decolorization and degradation of azo linked chromophore	
3	Purvi N. Patel	Microbial decolorization and degradation of textile dyes	
2009			
4	Amit V. Mangrola	Biosynthesis of fungal lignocellulases and bioconversion of hydrolytic products to bioethanol	
2008			
5	Bhumika P. Patel	A study on microbial enzyme: Protease	
6	Nirav H. Bhavsar	A study on microbial production of phytohormones	
7	Shraddha A. Morad	A study on microbial enzyme: Lipase and biosynthesis of indole acetic acid	
8	Asma R. Sherasiya	A study on phosphate solubilisation, APS and IAA by phosphate solubilising microorganisms	
9	Jemini Gadhia	A study on microbial enzyme: Amylase	
2005			
10	Jaydev J. Patel	Biomethanation, biodegradation and decolorization of industrial wastewaters containing reactive dyes (textile, dyes and intermediates) by fixed film upflow anaerobic and aerobic bioreactors	
11	Gopal D. Soni	Biomethanation, biodegradation and fertilizer from distillery (spent wash) wastewater by fixed film anaerobic reactor	

GUIDANCE GIVEN FOR RESEARCH IN Ph. D. MICROBIOLOGY

No	Name of Student	Title of Ph. D. Thesis	Year
2015			
1	Kshama Balapure (As Co-Guide)	Molecular Assessment of Microbial Community Structure and Development of Microbial Consortia for Decolorization of Textile Industrial Wastewater	
2	Dharmesh Adhyaru (As Co-Guide)	Microbial Production of Xylanase(s)	

Research Projects

As a Principal Investigator

No	Project Title	Funding Agency	Duration & Starting Year
1	*Exploring Bioremediation Strategies for Treatment of Chromophore Linked Contaminated Wastewater Using Sequential Anaerobic-Microaerophilic Reactors*	GSBTM-FAP-2014. Project Cost: 18.81 Lakhs	2 Years From 2014 (**Completed**)
2	Enzymatic Deconstruction of Agro-Residues for Biofermentation and Biofule Production	GUJCOST-MRP-2014. Project Cost: 7.0 Lakhs	3 Years From 2014 (**Completed**)

As a Co-Investigator:

No	Project Title	Funding Agency	Duration & Starting Year
1	Degradation of Tannery waste & phenolic compounds by novel anaerobic tannin degrading bacterial isolate in pure & mixed culture	GSBTM-FAP-2011 Project Cost: 14.50 Lakhs	2 Years From 2011 (**Completed**)
2	Bioprospecting of Crop Residues by Solid State Fermentation To Enhance Nutrient Utilization and Feed Efficiency In Ruminants	DBT-MRP-2015 Project Cost: 83.67 Lakhs (Multi Institutional)	3 Years From 2015 (**Completed**)
3	An integrated process to enhance the biological treatment efficiency and improve the quality of effluent discharge from paper and pulp industry (Year: From March 2019 for Three Years)	DBT-Delhi-Multi Institutional (81 Lakhs) Gujarat Vidyapith-37 Lakhs	3 Years From March 2019 (**Ongoing**)

Technical Skills

1. Expert in Analytical Biochemistry, Instrumentation and Microbiological Techniques.
2. Professional knowledge in the field of Environmental Microbiology and Biotechnology.
3. Knowledge in Protein purification techniques such as affinity chromatography, ion exchange chromatography, gel permeation chromatography, HPLC, HPTLC.
4. Skills in Electrophoresis technique and Gel Documentation.
5. Skills in Analysis and Interpretation of GC, FTIR, IR, GC-MS, LC-MS, ASS techniques.
6. Skills in Bioinformatics Tools: FASTA, BLAST, CLASTAL W, ORF, MSA, RASMOL.

7. Skills in the fields of Biomethanation, Anaerobic Treatment, Biodegradation, Bioremediation, Microbial Enzymes, Waste Water Treatment and Water Purification.

Reviewer in International Journals

- Bioremediation, Water Research (Reputed Journals Publishers: Elsevier and Springer)

Chair Person/ Key Note & Invited Lectures in Seminars/ Conferences

1. Microbiology Study Circle-Anand (2011)
2. UGC Sponsored National Seminar at Virani Science College-Rajkot (2015)
3. Work-Shop on Solid and Liquid Waste Management-GIDM-Gandhinagar (2015)

Lectures delivered in Refresher Courses

1. Academic Staff College: Saurashtra University: Non-conventional Energy: Solar Photovoltaic Cell
2. Academic Staff College: Saurashtra University: A Microbiological Aspects on Treatment of Waste and waste waters

Awarded Presentations

1. International Conference on Environment-**NIRMA** University-at Ahmedabad **Won First Prize** in Poster Presentation
2. UGC Sponsored National Seminar-**Virani Science** College-Rajkot-**Won Second Prize** in Poster Presentation
3. International Conference on Environment-at **M. S. University**-Baroda-**Won Second Prize Trophy** for Best Poster Presentation

Involvement in Institute Development

1. Actively participated in establishment and development of Department of Microbiology and Laboratories.
2. Actively involved in the growth of students scientific learning aptitude
3. Actively participated in establishment of higher education in rural area
4. Strongly supported Gandhian Philosophy based training in higher education of core science
5. Effectively worked for popularization of Biomethanation and non-conventional energy through scientific way

Teaching and Research Activities

Sr. No	Name of Paper	M.Sc.: Microbiology and M.Sc.: Environmental Sciences and Technology Semester Theory and Practicals
1	Instrumentation and Bio-statistics (MIC) and Research Methodology (EST)	SEM-1
2	Bio-informatics (MIC) and ADVANCED ANALYTICAL TECHNIQUES FOR ENVIRONMENTAL SCIENCES (EST) AND Dissertation	SEM-2
3	Environmental Biotechnology (MIC) and Environmental Biotechnology (EST)	SEM-3
4	Research Methodology (MIC) and Environmental Management (EST) and Dissertation	SEM-4

Research Area and Activities

Sr.	Research Area	Since Year
1	Metagenomics and Environmental Biotechnology	1998 & 2010
2	Microbial Enzymology and Applications	2010
3	Biomethanation and Co-Digestion	1996
4	Vermicomposting and Biofertilizers	2007
5	Bio-informatics	2010

Publications: Books and Book Chapters

1. Dharmesh Adhyaru, **Nikhil Bhatt** and H. A. Modi (**2013**) *Microbial Xylanase(s): Past, Present and Future*: 3rd Chapter: pp-74-120, Published in Industrial Microbial Enzymes By H. A. Modi, (Pointer Publishers, Jaipur, Rajasthan, India) ISBN 978-81-7132-744-7.
2. Dharmesh Adhyaru, **Nikhil Bhatt** and H. A. Modi (**2018**) Currant Insight on Microbial Xylanases: Lambert Academic Publications ISBN 678-613-5-80387-7
3. Payal Aghera and **Bhatt Nikhil** (**2019**) Citric Acid: Biosynthesis, properties and Applications. Lambert Academic Publications ISBN 978-620-0-09567-1

Research Publication in Journals

1. Kshama Balapure, Payal Aghera, **Nikhil Bhatt**, and Datta Madamwar. (**2019**) Community synergism: Degradation of triazine dye Reactive Black 1 by mixed bacterial cultures KND_PR under *microaerophilic and aerobic conditions*. (https://doi.org/10.1007/s40710-019-00378-7) p-1-27 **July 2019 Environmental Processes. Impact Factor: 2.6 (Springer International Publishing)**

2. Aghera Payal and **Bhatt Nikhil** (**2019**) Biosynthesis of Citric Acid using Distillery Spent Wash as a Novel Substrate. March 2019 *Journal of Pure and Applied Microbiology* 13(1): 599-607 DOI: 10.22207/JPAM.13.1.69. CiteScore: 0.18 SCImago JournalRank(SJR): 0.124 Source Normalized Impact Per Paper (SNIP): 0.157

3. Dave S. and Bhatt N. (**2018**) Biotransformation of Cr (VI) by Newly Invented Bacterial Consortium SN6. Journal of Pure and Applied Microbiology, Sept. 2018. Vol. **12**(3), p. 1375-1384 CiteScore: 0.18 SCImago JournalRank(SJR): 0.124 Source Normalized Impact Per Paper (SNIP): 0.157

4. Bhumi Patel, Niraj Sheth, Srinivas Murty, **N. S. Bhatt** and Rajendra Khimani. (**2016**). Vermiconversion of potato waste by *Eisenia foetida* and its application on the growth of Vigna radiata and *Trigonella foenumgraecum. Vidyapith.Vidyapith*. Vol; 1: **ISSN 0976-5794 Vidyapith**

5. Dharmesh Adhyaru, H.A. Modi, **N. S. Bhatt**, and Jyoti Divecha. (**2016**) Insight on xylanase from *Aspergillus tubingensis* FDHN1: Production, high yielding recovery optimization through statistical approach and application. *Biocatalysis and Agricultural Biotechnology.* Vol. (6) p-51-57 DOI:10.1016/j.bcab.2016.01.014. Source Normalized Impact per Paper (SNIP):**0.901, CiteScore: 2.26, Source Normalized Impact per Paper (SNIP): 0.862, SCImago Journal Rank (SJR): 0.497**

6. Nishant Junnarkar1, Neepa Pandhi, Nirali Raiyani, **Nikhil Bhatt** and Rajnikant Raiyani. (**2016**) Production of LiP by Phanerochaete chrysosporium MTCC 787 Through Solid State Fermentation of Wheat Straw and Assessing its Activity Against Reactive Black B. *International Journal of Advance Reserch* (IJAR), Volume 4, Issue 1, 812- 819 **Impact Factor: 4.588**. **ISSN 2320-5407**

7. Rakesh K. Soni, **N. S. Bhatt**, H. A. Modi and P B Acharya. (2016) Decolorization, Degradation and Subsequent Toxicity Assessment of Reactive Red 35 by *Enterococcus gallinarum. Current Biotechnology, Volume 5,*1-12. DOI: 10.2174/2211550105666151211195703.

8. Sheth Niraj T., Desai Jigeesha K., Patodiya Mehula M., **Bhatt Nikhil S.,** Duggirala Srinivas M. (2015). Field scale comparative study on application of DAP, Urea and Humic acid on soil flora and crop productivity. *Vidyapith* Vol. 4: 17-31 ISSN 0976-5794 Vidyapith.

9. Sheth Niraj T., Bhimani Bhumika M.,Pansuriya Hirenkumar G., Bhatt Nikhil S., and Duggirala Srinivas M. (2015). Study on reactive dye decolorization by anaerobic bacteria. *Vidyapith* Vol. 4: 65-81 **ISSN 0976-5794 Vidyapith.**

10. Patel Vipul and **Bhatt Nikhil**., (**2015**) Isolation, Development and Identification of Salt-Tolerant Bacterial Consortium From Crude-Oil-Contaminated Soil For Degradation of Di-Azo Dye Reactive Blue 220. *Water Science & Technology*. 72-2: 311-321. DOI:10.2166/wst.2015.208. **Impact Factor: 1.41**

11. Bhuva Ruchita, D. Srinivas Murty and **Bhatt Nikhil**., (**2015**) Bacterial β-Galactosidase Productoion, *Vidyapith*. Vol; 1: 88-99. **ISSN 0976-5794 Vidyapith**

12. Adhyaru Dharmesh N., **Bhatt Nikhil S.** and Mody H. A., (**2015**) Optimization of upstream and downstream process parameters for cellulase-poor-thermo-solvent-stable xylanase production and extraction by *Aspergillus tubingensis* FDHN1. *Bioresources and Bioprocessing.* 02/2015; 2 (2015) 2:3):2-14. **ISSN: 2197-4365 (Electronic Version-Springer)**
13. Kshama Balapure, **Nikhil Bhatt**, Datta Madamwar, (**2015**) Mineralization of reactive azo dyes present in simulated textile waste water using down flow microaerophilic fixed film bioreactor. *Bioresource Technology.* 01/2015; 175. **Impact Factor: 5.6**
14. Kshama H. Balapure, Kunal Jain, Sananda Chattaraj, **Nikhil S. Bhatt,** Datta Madamwar. (**2014**), Co-metabolic degradation of diazo dye—Reactive blue 160 by enriched mixed cultures BDN. *Journal of Hazardous Materials* 08/2014; 279:85–95. **Impact Factor: 5.123**
15. Razia Khan., Zeenat Khan, **Bhatt Nikhil**, Devecha Jyoti, and Datta Madamwar, (**2014**) Azo Dye Decolorization under Microaerophilic Conditions by a Bacterial Mixture Isolated from Anthropogenic Dye Contaminated Soil., *Bioremediation Journal*. **Impact Factor: 0.741**
16. Adhyaru Dharmesh N., **Bhatt Nikhil S.** and Mody H. A., (**2014**) Enhanced Production of Cellulase-Free, Thermo-Alkali-Solvent-Stable Xylanase From Bacillus altitudinis DHN from Sorghum Straw Saccharification. *Biocatalysis and Agriculture Biology.* ISSN: 1878-8181. **SN Impact Factor: 0.86**
17. Hirpara P., **Bhatt N**. and Srinivas D. (**2014**) Bacterial treatment for Removal of Chromium (VI) Containing Electroplating Wastewaters. *Indian Journal of Applied Research*. Vol (4); issue: 6; 436-438: ISSN: 2249-555X. **Impact Factor: 3.6241**
18. Vipul R. Patel, **Nikhil S. Bhatt**, H. B` Bhatt (**2013**) Involvement of ligninolytic enzymes of Myceliophthora vellerea HQ871747 in decolorization and complete mineralization of Reactive Blue 220. *Chemical Engineering Journal*. Vol:233 November 1385-8947.ISSN:1385-8947. **Impact Factor: 4.18**
19. Duggirala Srinivas M., Sheth Niraj T., Pawar Ashruti U. And **Bhatt Nikhil S**. (**2013**) Isolation and Characterization of Bacteria from Dye Wastewater Treating Down Flow Fixed Film Reactor (DFFR). *International Journal of Engineering Research &*

Technology (IJERT) Vol. 2 Issue 10, October – 2013 ISSN: 2278-0181. **Impact Factor: 1.76**

20. Duggirala Srinivas M., Patel Himanshu, Koradiya Manoj and **Bhatt Nikhil S**. (**2013**) Characterization of Bacillus sp. And Protease Production in SSF. *International Journal of Scientific Research* (ISSN 2777-8179) Issue: 9, (Vol: 2) 22-24. **Impact Factor: 3.2416**

21. Duggirala Srinivas .M, Sheth Niraj .T, **Bhatt Nikhil S.**, and Vanjani Unnati .N (2013) Remediation of Textile Reactive Dyes Using Anaerobic Rumen Consortium. *International Journal of Recent Scientific Research* (ISSN: 0976-3031) Vol*. 4, Issue, 9, 1400- 1405.* **SJ Impact Factor: 3.908**

22. D. Srinivas Murty, **Bhatt Nikhil**, Junnarkar Nishant S., and Chauhan Divyesh. (**2012**) Antibacterial Activity of Certain Commonly Used Spices Against Opportunistic Pathogenic Bacteria. *Bioscience Guardian An International Journal* (ISSN 2277-9493) 2(1): 167-170. (**ISSN: 2277-9493**)

23. Murty Srinivas, Patel, S. Soni, R. and **Bhatt, N. S.** (**2012**) Isolation and Identification of Bacterial Culture for Azo dye Degrading Capability. *International Journal of Research in Chemistry and Environment* (ISSN 2248-9649) Vol. 2 Issue 3 July: 204-210. **Index Copernicus Value: 5.35 (2012)**

24. Bhatt, N. S., Vagadiya D. R. and Junnarkar, N. S. (**2012**) Decolorization, Degradation and Azo dye-reductase study by bacterial transformation. *International Journal of Research in Biosciences* (**ISSN 2248-9649**) Vol. 1 Issue 1 July: 29-49.

25. Anand M Dave, Vishal A. Mevada, **Nikhil S Bhatt**, Pradip B. Acharaya, and Rajesh K. Patel. (**2012**) Virtual Screening of Heterobased Ligand Library For protein Kinase for Anticancer Activity. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol: 4; Issue:4; 390-397: ISSN: 0975-1491. **Impact (Cites per doc)- 0.91 (SC Imago, SJR 2013) www.scimagojr.com and see option Journal Search ICV (2011): 5.00**

26. **Bhatt Nikhil S**., Thummar Sapna and Balapure Kshama. (**2012**). Biodegradation of Reactive Red M8B By Bacterial Consortium. Indian *Journal of Science and Technology***.** Vol: 5; No: 7; 3047-3053. ISSN: 0974-6846. **IC Value : 5.02**

27. **Bhatt Nikhil S.,** Adhyaru Dharmesh N. and Thakor Priti (**2012**). Production of xylanase by *Aspergillus flavus* FPDN1 on *Pearl millet bran*: Optimization of culture conditions and application in bioethanol production. *International Journal of Research in Chemistry and Environment*. Vol: 2; Issue:3; 204-210: ISSN:2248-9649. **Index Copernicus Value: 5.35**

28. **Bhatt Nikhil S,** Vaghasiya Harsha M. and D. Srinivas Murty. (**2012**) Biodegradation study on reactive dye 222 by bacterial consortium. *Bioscience Guardian*. 2(1): 137-150. (**ISSN: 2277-9493**)

29. **Bhatt, N. S.,** Sheratia, A., Murty, D. S. and Junnarkar, N. S. (**2011**) Interrelationship between alkaline phosphatase activity and soil characteristics. *Bioscience Guardian*. 1(2): 473-480. (**ISSN: 2277-9493**)

30. **Bhatt, N. S.,** Acharya, D. K., Acharya, R. D., and Murty, D. S. (**2011**) Anaerobic treatment of dairy wastewater with laboratory scale up flow fixed film anaerobic reactor. *Bioscience Guardian*. 1(2): 441-448. (**ISSN: 2277-9493**)

31. Bhavsar, N. and **Bhatt, N. S.** (**2011**) Effect of Rhizobium liquid biofertilizer on soil and Cheak pea (*Cicer arjentinum*). *Bioscience Guardian* 1(2): 417-421. (**ISSN: 2277-9493**)

32. Junnarkar, N. S.,Murty, D. S., **Bhatt, N. S.,** and Madamwar, D. (**2006**) Decolorization of diazo dye Direct Red 81 by a novel bacterial consortium. *World Journal of Microbiology and Biotechnology*. 22: 163-168. **Impact Factor: 1.353**

33. **Bhatt, N. S.,** Patel, K. C., Keharia, H., and Madamwar, D. (**2005**) Decolorization of diazodye Reactive Blue 172 by *Pseudomonas aeruginosa* NBAR12. *Journal of Basic Microbiology*. **45** (**6**): 407-418. **Impact Factor: 1.822**

Workshop Attended

1. **UGC-DSA Sponsored**: National Workshop on: *Perspective in Biological Research*. 22 November-28 December **2004**. Department of Biosciences, S. P. University, Vallabh Vidyanagar, Gujarat.
2. **UGC-DSA Sponsored**: National Workshop on: Methods *in Molecular Biology*. 29th November-11th December **2004**. Department of Biosciences, S. P. University, Vallabh Vidyanagar, Gujarat.
3. **National Workshop** on *Machine Learning Techniques in Fundamental Proteomics*. 18-21 October **2005**. **IMTECH, Chandighar**, India.
4. **National Workshop** on 2nd Multi Institutional Teacher's Training Program in *Molecular Biology & Bioinformatics*. 17-25 May **2007**. **GSBTM**, Department of **Forensic Science** and **Anand Agriculture University**, Government of Gujarat, Gandhinagar.
5. **Workshop** on Samveedna" *An Initiative towards Building Model Green Colleges*. 4-5 September **2009**. **Center for Environmental Education**, **Nehru Foundation (CEE)**, Thaltej, Ahmedabad, Gujarat.

Conference Presentations

PAPER AND POSTER PRESENTED IN INTERNATIONAL CONFERENCE

1. Payal Aghera, **Nikhil Bhatt** (2016) Enzymatic deconstruction of agro waste for Biofermentation and biofuel production. International Conference on current trends in biotechnology ICCB. December 8-12 organised by School of biosciences and technology VIT University, Vellore. (BRSI)
2. Suchi Dave, **Nikhil Bhatt** (2016) Biotransformation of Cr(VI) by bacterial consortium and its characyterisation. International Conference on current trends in biotechnology ICCB. December 8-12 organised by School of biosciences and technology VIT University, Vellore. (BRSI).
3. Pooja Hirapara, **Nikhil Bhatt** (2016) Biodegradation of Phenol by Bacterial Consortium. International Conference on current trends in biotechnology ICCB. December 8-12 organised by School of biosciences and technology VIT University, Vellore. (BRSI).
4. Suchi Dave, **Nikhil bhatt.** (2015) Microbial Reduction of Hexavalent Chromium and An Experiment for Detoxification. International conference on terra preta

sanitation and decentralized wastewater treatment systems 18-21 November. BITS Pilani Goa in association with international water association.

5. Bhatt Nikhil, **Suchi Dave** (2015) An Investigation on Biodegradation of phenol. International conference on terra preta sanitation and decentralized wastewater treatment systems 18-21 November. BITS Pilani Goa in association with international water association.
6. Kshama Balapure, **Nikhil Bhatt**, Datta Madamwar. (2014), Exploring the potential of enriched bacterial consortium KN to degrade chromophore linked azo dye. International Conference on Emerging Trends in Biotechnology (ICETB 2014) 11th Convention of the Biotech Research Society, India (BRSI), 6-9 th Nov. 2014.
7. Adhyaru, D.N., **Bhatt, N.S.**, Modi, H.A. (2014) Statistical modeling for cellulase-poor xylanase extraction and enzymatic property determination (Poster). International Conference on Emerging Trends in Biotechnology (ICETB-2014). XI Convention of the Biotech Research Society (BRSI), India. 6th to 9th Nov. 2014.
8. Prajapati D., Rangani R., Duggirala S. M., and **Bhatt N**. (2013) An investigation: Bacterial L- Asperginase. International Conference on Integrating Basic and Traditional Research in Modern Biology. 27-28 December, 2013. Department of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India.
9. Hirpara P., Dave S., Sheth N., and **Bhatt N**. (2013) A study on biodegradation of Phenol. International Conference on Integrating Basic and Traditional Research in Modern Biology. 27-28 December, 2013. Department of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India.
10. Balapure kshama, **Bhatt Nikhil** and Madamwar Datta., (2013), Elucidation of Enzyme dependent C.I. RB 160 remediation strategy by bacterial consortium BDN. International Conference on Integrating Basic and Traditional Research in Modern Biology. 27-28 December, 2013. Department of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India.

11. Adhyaru Dharmesh, Divecha Jyoti, **Bhatt Nikhil** and Modi H. A. (2013) Design of process parameters for cellulase-free xylanase production by *Bacillus altitudinis* DHN8 under submerged fermentation using statistical approach. International Conference on Integrating Basic and Traditional Research in Modern Biology. 27-28 December, 2013. Department of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Baroda, Gujarat, India.

12. **Bhatt Nikhil**, Shukla Preeti K and Rudani Sujata K. (2013) Effect of process parameters on decolorization of food grade color using yeast. International Conference on "Advances In Biotechnology and Bioiformatics" ICABB 2013. BRSI. November 25-27,2013, Pune, Maharashtra, India.
13. Dharmesh Adhyaru, Jyoti Divecha, **Nikhil Bhatt** and H. A. Modi. (2013) Statistically engineered *Aspergillus tubingensis* FDHN1 mediated xylanase production under solid state fermentation and its application in biomass conversion. International Conference on "Advances In Biotechnology and Bioiformatics" ICABB 2013. BRSI. November 25-27,2013, Pune, Maharashtra, India.
14. Kshama Balapure, **Bhatt Nikhil** and data Madamwar. (2013) *Exploring bioremediation strategies for textile industrial waste water degradation using sequential anaerobic-microaerophilic process.* International Conference on "Advances In Biotechnology and Bioiformatics" ICABB 2013. BRSI. November 25-27,2013, Pune, Maharashtra, India.
15. Virani Sonal, , Junnarkar Nishant, Pandhi Nipa and **Bhatt Nikhil** (2012) Characterization of Azoreductase Enzyme from a Diazo Dye Decolorizing Bacterial Strain CS2a4. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India.
16. Junnarkar Nishant, Pandhi Nipa, and **Bhatt Nikhil** (2012) Production and Characterization of Lip Enzyme by Phanerochaete chrysosporium under shallow stationary conditions. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India.

17. Virani Sonal, , Junnarkar Nishant, Pandhi Nipa and **Bhatt Nikhil** (2012) Decolorization of Textile Diazo Dye by Isolated Yeast strain DTb4. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India.
18. Pathak Dhara, Junnarkar Nishant, Pandhi Nipa and **Bhatt Nikhil** (2012) Optimization of culture conditiond for diazo dye decolorization by isolated bacterial strain-CS2a4 under static condition. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India.
19. Davda Bhavika, Junnarkar Nishant, Pandhi Neepa and **Bhatt Nikhil** (2012) Studies on biosorption of azo dye using dried biomass of an isolated white rot fungas-BD4. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India
20. Junnarkar Nishant, Pandhi Nipa, and **Bhatt Nikhil** (2012) Optimization of parameters for an efficient decolorization of a textile azo dye by *Pseudomonas* sp. And characterization of its azo reductase. In International conference on Perspective in phylosphier biology. 15-17 February 2012, Institute of Biotechnology, AMITY University, Noida, Uttarpradesh, India
21. Soni Rakesh , **Bhatt Nikhil** , Acharya P. B. and Modi H. A. (2012) *Decolorization of Reactive Dyes by Bacterial Isolate ARSKS-20*. 52nd annual Conference of AMI-2011. International Conference on Microbial Biotechnology for sustainable Development. November 3-6, 2012. Punjab University, Chandigarh, India.
22. Balapure Kshama, **Bhatt Nikhil** and Data Madamwar. (2012) *Biodecolorization of Reactive Blue HERD (C.I. Blue 160) By Bacterial Consortium*. 52nd annual Conference of AMI-2011. International Conference on Microbial Biotechnology for sustainable Development. November 3-6, 2012. Punjab University, Chandigarh, India.
23. Adhyaru Dharmesh, **Bhatt Nikhil** and Modi H. A. (2011) *Hydrolytic Activity of Xylanase on Agro-waste Under Submerged Fermentation*. 52nd annual Conference of AMI-2011. International Conference on Microbial Biotechnology for sustainable Development. November 3-6, 2012. Punjab University, Chandigarh, India.

24. Bhavsar Nirav and **Bhatt Nikhil S**. (2011) *Microbial production of Phytohormone*. International Conference on New Horizones in Biotechnology. 8th annual Convention of the Biotech Research Society, India. November 21-24 2011, National Institute for Interdisciplinary Science and technology (NIIST), CSIR, Trivandrum, Kerala, India.

25. Bhatt Nikhil S., Patel Vipul and Datta Madamwar. (2011) *Bacterial Biodegradation of Azo Linked Chromophore*. International Conference on New Horizones in Biotechnology. 8th annual Convention of the Biotech Research Society, India. November 21-24 2011, National Institute for Interdisciplinary Science and technology (NIIST), CSIR, Trivandrum, Kerala, India.

26. Bhatt Nikhil S. and Khan Zeenat. (2011) *Potential of Agricultural Residues for Biofuel production*. Intrenational Conference on Microorganisms in Environmental Management and Biotechnology. 1-3 July 2011, Barkatullah University, Bhopal, Madhyapradesh, India.

27. **Bhatt Nikhil S**. and Jemini Ghadiya. (2011) *Study on Bacterial enzyme: Amylase*. Intrenational Conference on Microorganisms in Environmental Management and Biotechnology. 1-3 July 2011, Barkatullah University, Bhopal, Madhyapradesh, India.

28. Junnarkar Nishant and **Bhatt Nikhil S**. *Decolorization of a reactive azo dye by Pseudomonas sp. Strain B12and characterization of its azoreductase*. Microbes In Wastewater and Waste Treatment, Bioremediation and Energy Production Organized by International Water Association and Birla Institute of Technology and Science- Pilani, 24-27th January 2011, K. K. Birla Goa Campus, Goa, India.

29. **Bhatt Nikhil S**. and Datta Madamwar. *Treatment of Dyestuff, textile and Intermediate Industrial Wastewater by Bioreactors*. Microbes In Wastewater and Waste Treatment, Bioremediation and Energy Production Organized by International Water Association and Birla Institute of Technology and Science-Pilani, 24-27th January 2011, K. K. Birla Goa Campus, Goa, India.

30. Junnarkar Nishant, Pandhi Neepa and Bhatt Nikhil (2011). Optimization of Process Parameters for an efficient Decolorization of a textile azo dye by Psuedomonas sp.

And characterization of its azo reductase. 4th International Congress of Environmental Reseach. Sardar Vallabhbhai Patel National Institute of Technology, December 15-17, 2011, Surat, Gujarat, India.

31. Patel Purvi and **Bhatt Nikhil S**. *Biodecolorization and Biodegradation of Reactive and Direct Dyes by Bacterial Isolates*. Third Golden Era of Microbiology 50th Annual conference Organized by AMI, 15-18th December 2009, NCL, Pune, Maharashtra.
32. Patel Vipul and **Bhatt Nikhil S.** *Isolation, Screening and Development of novel bacteria and bacterial consortium with reactive azo dyes Decolorization capability.* Third Golden Era of Microbiology 50th Annual conference Organized by AMI, 15-18th December 2009, NCL, Pune, Maharashtra.
33. Khan Razia and **Bhatt Nikhil S**. *Biodegradation and Biodecolorization of Structurally Different Reactive Azodyes by Bacterial Isolates and Bacterial consortium*. Third Golden Era of Microbiology 50th Annual conference Organized by AMI, 15-18th December 2009, NCL, Pune, Maharashtra.
34. **Bhatt Nikhil S**. and Datta Madamwar. *Biodecolorization and biodegradation of reactive dyes*. Third Golden Era of Microbiology 50th Annual conference Organized by AMI, 15-18th December 2009, NCL, Pune, Maharashtra.
35. **Bhatt Nikhil S**. and Datta Madamwar. *Isolation of Dye degrading bacteria and check its dye decolorization and degradation ability*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.
36. Patel Vipul and **Bhatt Nikhil S**. *Isolation, Screening and Development of local bacteria and bacterial consortium with reactive azo dyes Decolorization capability*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.
37. Khan Razia and **Bhatt Nikhil S**. *Decolorization of Structurally different reactive azo dyes by bacterial isolates*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.

38. Mangrola Amit and **Bhatt Nikhil S**. *Effect of cellulose and hemicelluloses on Agricultural substrates*. Microbial Biotechnology: Diversity, Genomics and Metagenomics 49th Annual conference Organized by AMI, 18-20th November 2008, Delhi University, New Delhi..

39. Bhatt Nikhil S. and Shetty Vikram. *Isolation of Dye Degrading Bacteria and to Check its dye Decolorization and degradation ability*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.

40. Bhatt Nikhil S. and Patel Purvi. *Decolorization of the reactive and direct dyes by bacterial isolates*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.

41. **Bhatt Nikhil S**. and Datta Madamwar. *Biodecolorization and Biodegradation of Diazo dye Reactive Blue 172 by Pseudomonas aeruginosa NBAR12*. Environmental Issues in Emerging and Advanced Economics: Canada, India. December 6-8, 2009, Department of Chemistry, Gujarat University, Ahmedabad, India.

ORAL PAPER PRESENTED IN NATIONAL and REGIONAL CONFERENCES

1. Payal Aghera, Amit Mangrola, **Nikhil Bhatt** (2016) Effect of cellulases and hemicelluloses on agricultural substrate. “National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
2. Amit Chaudhari, Kshama Balapure, **Nikhil Bhatt**, Datta Madamvar (2016) Bioremediation of Chromophore linked contaminated wastewater using seqvential anaerobic-aerobic process. National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
3. Arti Kanani, Payal Agera, **Nikhil Bhatt** (2016) Biofuel from Agrowaste. National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
4. Jalpa Kalkani, **Nikhil Bhatt**. (2016) An attempt for removal of phenol by bacteria. “National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
5. Kshama Balapure, **Nikhil Bhatt**, Datta Madamvar (2016) Evaluate the performance ofdownflow microaerophilic fixed film reactor for mineralization of simulated

textile wastewater. “National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016

6. Suchi dave, **Nikhil bhatt** (2016) Development of microbial consortium for the biotransformation and detoxification of Cr(VI). “National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
7. Pooja hirpara, **Nikhil bhatt** (2016) Removal of Toxic cadmium by bacterial consortium from electroplating waste water. “National Symposium on Exploring Advances in Biological Sciences”. Vallabh Vidyanagar, Anand. 4th March 2016
8. Aghera Payal, Balapure Kshama, D. Srinivas, Sheth N., and **Bhatt Nikhil** (**2015**) Exploring the potential of enriched bacterial consortium KN to degrade chromophore linked azo dye. “Advances in Environmental Sciences and Technology:A Way Forward to Clean and Green Environment”. Vallabh Vidyanagar, Anand. 28th February, 2015.
9. Sandhya Makwana, Dharmesh Adhyaru**, Nikhil Bhatt**. (**2015**) Xylanase production mediated by Aspergillus sp. SPDN1 using agro-residues under solid state fermentation and its application. National Seminar on “Advances in Environmental Science & Technology: A way Forward to Clean and Green Environment” P.G. Department of Environmental Science & Technology (EST). Institute of Science & Technology for Advanced Studies & Research (ISTAR). 28th Feb. 2015.
10. Adhyaru, D.N**., Bhatt, N.S**., Modi, H.A. (**2015**) Saccharification potential of xylanase produced by *A. tubingensis* FDHN1 under solid state fermentation (Poster). National Conference (UGC Sponsored), “Latest Developments in Basic and Applied Sciences”, 10th Feb. 2015. M.B. Patel Science College, Anand, Gujarat, India.
11. Dave Anand, Mevada Vishal, **Bhatt Nikhil** S, Acharya P. B. and Patel Rajesh. (**2012**)*In Silico Approaches for Cancer Drug Designing Database*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
12. Vaghasiya Harsha and **Bhatt Nikhil S**. (**2012**) *Biodegradation of Reactive Blue 222 By Bacterial Consortium*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
13. Vagadiya Dimple and **Bhatt Nikhil S**. (**2012**) *Decolorization and Degradation of Reactive Red HE8B By Bacterial Isolate*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
14. Thakor Priti and **Bhatt Nikhil S**. (**2012**) *Fungal Hydrolytic Action of Xylanase on Pearl Millet (Pennisetum glaucum) By Solid State Fermentation.* In XXVI Gujarat

Science Congress 2012 Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.

15. Patel Suhagi and **Bhatt Nikhil S**. (**2012**) *Biodegradation of Reactive Blue RGB By Bacterial Isolate*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
16. Thummar Sapna and **Bhatt Nikhil S**. (**2012**) *Biotransformation of Reactive Red M8B By Bacterial Consortium*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
17. Gesota Nidhi, Mevada Vishal, **Bhatt Nikhil S** and Patel Rajesh. (**2012**) *In Silico Technologies on Database For Malerial Drug Desining.* In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
18. Balapure Kshama, **Bhatt Nikhil** and Data Madamwar. (**2012**) *Effect of Parameters on Reactive Blue HERD (C.I. Blue 160)* In XXVI **Gujarat Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
19. Adhyaru Dharmesh, **Bhatt Nikhil** and Modi H. A. (**2012**) *Improved Xylanase Production By Bacillus pumilus DHN8 Under Submerged Fermentation*. In XXVI Gujarat **Science Congress 2012** Held By The Maharaja Sayajirao University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad. **26th February, 2012. M. S. University, Vadodara, Gujarat**, India.
20. Balapure, K.H., and Bhatt, N.S. (**2010**). Production of single cell protein from Molasses (Poster). UGC sponsored **National** seminar "Current Trends in Microbiological Sciences". Department of Microbiology, M. G. Science Institute, Navrangpura, Ahmedabad. 23rd & 24th Jan. 2010.
21. Bhavsar Nirav and **Bhatt Nikhil S**. (**2009**) *Microbial Production of Phytohormone*. UGC-DSA Sponsored: National conference on Frontier in Biological Sciences: 27-28 February **2009**, BRD School of Biosciences, S. P. University, Vallabh Vidynagar, and Gujarat.
22. Ghadiya Gemini and **Bhatt Nikhil S**. (**2009**) *A study on Microbial Enzyme: Amylase*. UGC-DSA Sponsored: National conference on Frontier in Biological Sciences: 27-28 February **2009**, BRD School of Biosciences, S. P. University, Vallabh Vidynagar, and Gujarat.

23. Mangrola Amit and **Bhatt Nikhil S**. (**2009**) *A Study on Biotransformation of Lignocelluloses to value added Products*. Current Scenario of developments in Environmental Biotechnology. UGC sponsored National seminar, 9-10 January **2009**. Department of Microbiology and Biotechnology. HNG University, Talod, Gujarat.
24. Junnarkar Nishant, **Bhatt Nikhil S**. and Murty D. S. (**2008**) Antimicrobial *Activity of Various Medicinal plant extracts*. National Seminar on Emerging Trends in Medicinal Plants Based Pharmaceuticals. Atmiya Institute of Pharmacy, Feb-March **2008**, Saurastra University, Rajkot,Gujarat.
25. Acharya Dhaval and **Bhatt Nikhil S**. (**2006**) *Anaerobic treatment of dairy wastewater with laboratory scale upflow fixed film anaerobic reactor*. Contemporary Development in Life Sciences. National Symposium. 4th March **2006**. Department of Life Sciences. HNG University, Patan, Gujarat.
26. Patel Jaydev and **Bhatt Nikhil S**. (**2006**) *Treatment of Industrial Wastewaters by sequential anaerobic and aerobic reactor studies*. Contemporary Development in Lifesciences. National Symposium. 4th March **2006**. Department of Life Sciences. HNG University, Patan, Gujarat.
27. Patel Sangita and **Bhatt Nikhil S**. (**2006**) *Bioconversion of solid waste, Baggasse (Saccharum officinarum) by Esinia foetida in Novel bamboo Basketbin*. Contemporary Development in Life Sciences. National Symposium. 4th March **2006**. Department of Life Sciences. HNG University, Patan, Gujarat
28. Patel Jaydev and **Bhatt Nikhil S**. (**2005**) *Treatment of Industrial (textile, dyes and intermediates) wastewater by anaerobic fixed film up flow bioreactor*. Recent Advances in Science and Technology. 19th February **2005**. Gujarat Science Academy: S. P. University, Vallabh Vidynagar.
29. **Bhatt Nikhil S**., Patel K. C. and Datta Madamwar. (**2001**) *Biodegradation of Textile Dye by Mixture of Microorganisms*. UGC (DSA) Sponsored National Symposium: Sustainable Environment: Achievement and Further Prospects. January 4-6 **2001**, Vallabh Vidyanagar.

Extension & Extra-Curricular Participation

Sr. No.	Name of Event	Place	Year
1	NSS-CAMP	JAKHORA	1995
2	Gujarat Vidyapith-Sevak Shibir	DETHALI	2004
3	Research Methodology Shibir	Gujarat Vidyapith-AHMEDABAD	2005
4	NSS-FLOOD RELIEF CAMP	DETHLI	2003
5	EDUCATIONAL TOUR	Gujarat, Maharashtra, Madhyapradesh	1997; 2008; 2014

6	PADYATRA	Districts of Gujarat	2008-2014
7	Udyog Activity	Sadra	2012-2014
8	NSS-Camp	Madhav Ghadh Shertha	2011 2014
9	*Gandhi Katha*: Assigned Duty by Vidyapith and Our Department	Sadra	2012

Administrative Work

1, Conductance of UG, PG, M.Phil and Ph.D. examinations
2, Admission counseling
3, Laboratory administrative work
4, Research project administrative work

Committee Member

1. Member in BRSI
2. Member in Academic Council in Gujarat Vidyapith
3. Ex-Committee Member in Gujarat Vidyapith Trust (2008-09)
4.Ex-Executive Committee Member in Gujarat Vidyapith

Membership in Professional and other Bodies

1. Regularly Departmental Examination

2. External Examiner in other University of State (Practical, Paper setter)

Examiner for P.G., M.Phil. & Ph.D., programmes

1. Different Universities at P.G., M.Phil. & Ph.D., programmes

Academic and NGO's

Extension Activities:

1. Part of NSS activity popularization of Biogas technology and Non-conventional Energy.
2. Through padyatra creating awareness to rural people, school children's and farmers on health and sanitation, organic farming and drinking water
3. Through NSS programme organized and conducted health checkup and blood donation camp
4. Through NSS programme participated in social forestation activity