

CURRICULUM VITAE

PERSONAL INFORMATION:

Name: Maulin Pramod Shah

Date of Birth: 20th September

Qualification: Ph.D. - Microbiology

Present Designation: Chief Scientist & Head-Industrial Waste Water Research Lab,
Division of Applied & Environmental Microbiology Lab, Enviro Technology Limited,
Ankleshwar, India

Father's Name: Prof (Dr) P R Shah

Ex-Head, Dept. of Microbiology

Ex- Director, Rotary Institute of Medical Technology

S.P.T Arts & Sci. College, Gujarat University, Godhra 389 001, Gujarat

EDUCATIONAL QUALIFICATION:

PhD – Microbiology

Title: “Microbial Biotechnology for Recycling of Refuse & Agro-waste”

Year – April, 2005

University – Sardar Patel University, Vallabh Vidyanagar 388 120, Gujarat

Supervisor – Professor I L Kothari

M.Sc – Microbiology

Year – May, 2001

University – Sardar Patel University, Vallabh Vidyanagar 388 120, Gujarat

B.Sc - Microbiology

Year – April, 1999

University – Gujarat University, Godhra, Gujarat

JOB PROFILE:

Phone: +91- 9099965504

E-mail: mbacilli@yahoo.com

=>Worked as “**Executive in Microbiology Lab at Enviro Technology Ltd.,**

Ankleshwar, Gujarat from 1st June 2005 to 27th June, 2009.

=>Worked as a **Lecturer at Shri P.M.Patel Institute of P.G.Studies & Research in Science, Anand People’s Medicare Society, Anand (Affiliated to Sardar Patel University, Gujarat) Period: From July, 2009 to February, 2011**

TRAINING:

=>Worked as **Research Trainee (R & D) in the Dept.of Biotechnology at Cadila Pharmaceuticals Pvt.Ltd, Kadi from 01-06-2000 to 31-06-2000.**

=>Worked as **Senior Microbiologist (R & D) in the Phar- East Pharmaceuticals Pvt Ltd, Godhra from May, 2001 to June, 2001.**

ACADEMIC EXPERIENCE:

=>Worked as a **lecturer in the Department of Microbiology at S.P.T.Arts & Sci. College, Godhra from June 2001 to November 2001.**

=>Worked as a **visiting lecturer at Rotary Institute of Medical Technology, Godhra from 6th June, 2002 to March, 2003.**

=>Worked as a **visiting lecturer in the Department of Biotechnology at Anand Mercantile College of Computer, Science and Technology, Anand from July 2004 to February 2005.**

=>Worked as a **visiting lecturer at Ankleshwar Environmental Preservation Society (A.E.P.S), Ankleshwar, Recognized by Technical Education Board, Gandhinagar, Gujarat from 1st August 2005 to 27th June, 2009.**

=>Worked as a “**Scientific Advisor**” at “**Bharuch Eco-Aqua Infrastructure Limited**” (BEAIL, A Final Effluent Treatment Plant, jointly run by the Govt. of Gujarat, Ankleshwar Industrial Association, Jhagdia Industrial Association & Panoli Industrial Association) from 01/11/2006 to 27th June, 2009.

⇒ Working as a **Visiting Faculty in Department of Environmental Science, at Shroff S.R.Rotary Institute of Chemical Technology (SRICT), Ankleshwar from September, 2012 to till date.**

⇒ Working as a **Visiting Faculty at Ankleshwar Environmental Preservation Society (A.E.P.S), Ankleshwar, Recognized by Technical Education Board, Gandhinagar, Gujarat from 1st January, 2013 to till date.**

⇒ Working as an **Expert Committee Member** at “**Narmada Clean Tech Limited**” (Formerly known as Bharuch Eco Aqua Infrastructure Limited, A Final Effluent Treatment Plant, jointly run by the Ankleshwar Industrial Association, Jhagdia Industrial Association & Panoli Industrial Association) from 01/04/2011 to till date.

Subject Taught At Ankleshwar Environmental Preservation Society (A.E.P.S),
Recognized by Technical Education Board (T.E.B), Gandhinagar Government of
Gujarat:

⇒General Microbiology

⇒Industrial Microbiology

⇒Applied Microbiology for Industrial Effluent Treatment

⇒Biochemistry

⇒Bacterial Genetics

⇒Fungal Genetics

⇒Cell Biology

⇒Bioprocess & Biochemical Engineering

List of Dissertation Students Guided in Applied Microbiology for Industrial Effluent
Treatment (A Certificate Course Run by Ankleshwar Environmental Preservation
Society & Recognized by Technical Education Board, Gandhinagar):

(1) **Mr. Tejas R Shirolawala:** Environmental Health Criteria for Phenol.

(2) **Mr. Rushi P Shah:** Bacterial Metabolism in Waste Water Treatment.

(3) **Mr. Paresh Sarvan:** Degradation of Phenol Using Bacterial Culture

(Pseudomonas Spp.)

List of Dissertation Students Guided in Environment Sciences:

(1) **Ms. Ankita Bhairaviya** (M.Sc-I, Env. Sciences, Sardar Patel University, Vallabh Vidyanagar 388 120), June 2007

Project Title: Effect of Env. Parameters on Growth of Two Isolated Soil Fungi.

(2) Ms. Jagruti Jagivala (B.Sc-Env. Sci, SardarPatel University, Vallabh Vidyanagar 388 120), June 2007

Project Title: Potential Effect of Media, pH, Temp On Growth of Two Lignocellulolytic Fungi.

Subject Taught At Shri P M Patel Institute of P.G.Studies & Research in Science, Sardar Patel University, Anand:

- =>Molecular Biology
- =>Applied & Environmental Microbiology
- =>Process Biochemistry
- =>Molecular Genetics
- =>Microbial Technology
- =>Cell Biology & Genetics
- =>Bioprocess & Biochemical Engineering

List of Dissertation Students Guided in Microbiology / Biotechnology / Biochemistry / Environment Science at Sardar Patel University, Vallabh Vidyanagar, Gujarat:

(1) Ms. Soniya Sebastian (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G Studies & arch in Science, Sardar Patel University, Vallabh Vidyanagar 388 120), June, 2010.

Thesis Title: Microbial Degradation of Copra waste by *Penicillium* spp. SS-005 : A Novel Biotechnological Approach.

(2) Ms. Margi Patel (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel, University, Vallabh Vidyanagar 388 120), June 2010.

Thesis Title: Microbial Biotechnology for Biotransformation of Groundnut waste into useful products.

(3) Ms. Jigna Patel (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel niversity, Vallabh Vidyanagar 388 120), March,

2012.

Thesis Title: Microbial Decolorization of Azo dye by *Bacillus spp.* ETL-1987: An Innovative Biotechnological Approach Providing Answers to the Problems of CETP.

(4) Ms. Kavita Patel (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel University, Vallabh Vidyanagar 388120), March, 2012.

Thesis Title: Microbiological Removal of Phenol by an Application of *Pseudomonas spp.* ETL-1979: An Innovative Biotechnological Process for the Sustainable Environment

(5) Ms. Krupali Patel (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel University, Vallabh Vidyanagar 388120), March, 2012.

Thesis Title: Biodegradation & Decolorization of Dye containing Effluent using Mixed Consortia of *Pseudomonas spp.*

(6) Ms. Neelamdip Kaur (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel University, Vallabh Vidyanagar, 388 120), June 2010.

Thesis Title: Ecofriendly Treatment of Azo Dyes: Biodecolorization using Bacterial strains.

(7) Mr. Vishal Mandaviya (M.Sc-IVth Semester, Shree P.M.Patel Institute of P.G.Studies & Research in Science, Sardar Patel University, Vallabh Vidyanagar 388 120), June 2010.

Thesis Title: An Innovative Approach to Biodegradation of Textile Azo Dyes by native bacterial strains in Ankleshwar, Gujarat

HONORS:

=>Invited by the August Body as a **Coordinator, Scientific Committee** for **5th International Congress of Environmental Research (ICER-12)** on November 22-24, 2012 at UMT, Terengganu (Malaysia).

RESEARCH PROJECTS COMPLETED: 01

=>Microbial Biotechnology for Recycling of Banana Agro waste- Funded by Gujarat Council on Science & Technology (Letter No: GUJCOST/SSP/201456/2009-10/2678).

=>**Duration:** One Year: One Year

=>**Sanctioned Amount:** Rs. 13,000.00 (Rupee Thirteen Thousand Only)

=>Worked as an **External Theory Paper Setter & Practical Examiner** at **Ankeleshwar Environmental Preservation Society (A.E.P.S)**, Ankleshwar recognized by **Technical Education Board, Gandhinagar, Gujarat.**

RESEARCH EXPERIENCE:

=>Worked as a **Project Fellow** (From June, 2002 to June 2004) in the Project entitled "**Biology of Ecologically Important & Life Supporting Plants of Little Rann of Kutch**". Funded by **Ministry of Environment & Forest, New Delhi**, under the Principal Investigation of **Prof I L Kothari.**

=>Worked as a **Senior Research Fellow** (From June 2004 to May 2005) in the Project entitled "**Isolation and Molecular Characterization of Nematophagous Fungi**" Funded by **National Dairy Development Board, Anand**, under the Principal Investigation of **Prof I L Kothari.**

SYMPOSIA / CONFERENCE PARTICIPATED:

=>Actively participated in **Mycological Society of India** conference held in 1999, **P.G.Dept.of Biosciences, S.P.Uni, V.V.Nagar, Gujarat.**

=>Actively participated in **Association of Microbiologist of India** conference held in 1999, **P.G.Dept.of Biosciences, S.P.Uni, V.V.Nagar, Gujarat.**

=>Actively participated in **Society of Biological Chemist** conference held in 2000, **P.G Dept.of Biosciences, S.P.Uni, V.V.Nagar, Gujarat.**

=>Actively participated in **Association of Microbiologist of India** conference held in 2001. **P.G.Dept. of Microbiology, Gulbarga Uni, Gulbarga, Karnataka.**

=>Actively participated in the **Department o Science & Technology (DST)** sponsored Contact Programme and Workshop on "**Protoplast Fusion Technology for Strain**

Improvement in Filamentous Fungi” held at the **Centre for Advanced Studies in Botany, University of Madras, Chennai** from 16th to 21st December, 2002.

=>Actively participated in **International Conference on Molecular Medicine** held in 2002, at **M.S.Uni, Vadodara, Gujarat**.

=>Actively presented a Paper on **“Potential Effect of Two Fungal Isolates as Bio-Recycling Agents”** in **National Symposium on “Environmental Biotechnology & Biodiversity Conservation”** Sponsored by **UGC** held in 31st Jan 2002 and 1st Feb 2003 at **P.G.Dept. Of Biosciences, S.P.Uni, V.V.Nagar, Gujarat**.

=>Actively participated in **One Day Workshop on “Modern Biological Techniques organized”** by the **P.G. Dept. of Biosciences, S.P.University, V.V.Nagar** on 12th December, 2003.

=>Actively participated in **Department of Biotechnology Sponsored National Science Day Celebrations** on 27th & 28th February, 2004 held at **P.G.Dept. of Biosciences, S.P.University, V.V.Nagar**.

=>Actively participated in Workshop conducted during **The Ramanbhai Foundation 2nd International Symposium on Current Trends in Pharmaceutical Sciences: “Role of Genomics & Proteomics”** Held at **Zydus Research Center, Zydus Cadila Health Care, Ahemdabad, Gujarat** on 22nd January, 2005.

RESEARCH PUBLICATION:

2001:

1. G.V.Reddy, K.S.Dolt, P.D.Kunjadia, **M.P.Shah** & I.L.Kothari Bioaccumulation of Limonoids in *Pl.sajor-caju*. **Journal of Scientific & Industrial Research**. Vol: 60, December 2001. Pp.937- 940.

2002:

2. G.V.Reddy, **M.P.Shah**, I.L.Kothari & A. Ray. Infrared spectroscopic analyses of Banana waste degraded by oyster mushroom. **Indian Journal of Experimental Biology**, Vol. 40, September 2002, pp. 1038-1042.

3. G.V.Reddy, **M.P.Shah** & I.L.Kothari Effect of Vitamins and Growth Regulators on Growth and Biological Efficiency of *Pl.ostreatus* and *Pl.sajor-caju*. **Indian Journal of Microbiology**, Vol.42, December 2002, pp.335-337.

2005:

4. **Maulin P Shah**, G V Reddy, Rajarshi Banerjee, P Ravindra Babu & I L Kothari Microbial Degradation of Banana Waste Under Solid State Bioprocessing Using Two Lignocellulolytic Fungi (*Phylosticta* spp. MPS-001 & *Aspergillus* spp. MPS-002) **Process Biochemistry**. Vol. 40, 2005, pp.445-451.
5. **Maulin P Shah**, A Nagee, Kunjadiya Prashant, P N Mukopadhyay, & Kothari I L. Identification of an anonymous RFLP DNA probe through Multiple Arbitrary Amplicon Profiling and its use for strain differentiation of a field isolate of cellulose-degrading *Aspergillus niger* (MPS-002). Vol.34, 2006, pp.334-339, **Bio Resource Technology, December 2005**.

2012:

6. **Maulin P Shah**, Soniya Sebastian, Hemangi Mathukiya, A.M.Darji. Biodegradation of Phenol by an Application of *Pseudomonas* spp. ETL-2414. **International Journal of Bioengineering and Technology (2012), Vol.3 (2)**

2013:

7. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Degradation of Textile Dye (Remazol Black B) by *Bacillus* spp. ETL-2012. **Journal of Bioremediation & Biodegradation (2013), Vol: 4:2 (USA)**
8. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Bioremoval of Azo dye Reactive Red by *Bacillus* spp. ETL-1982. **Journal of Bioremediation & Biodegradation (2013), Vol: 4:3 (USA)**.
9. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Optimization of Environmental Parameters on Microbial Degradation of Reactive Black Dye. **Journal of Bioremediation & Biodegradation (2013), Vol: 4:3 (USA)**.
10. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Potential Effect of Two *Bacillus* spp on Decolorization of Azo dye. **Journal Bioremediation & Biodegradation. (2013), 4:7**

11. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh J Maharaul. Exploited Application of Bacillus spp. ETL-1979 for Degradation and Decolorization of Methyl Orange, Malachite Green and Congo Red. **Journal Bioremediation & Biodegradation. (2013). 4:6**
12. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh J Maharaul. Microbial Decolorization and Degradation of Orange 16 Dye by a Newly Isolated Aeromonas spp. ETL-1949. **Journal Bioremediation & Biodegradation. (2013). 4:6**
13. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh J Maharaul. Exploiting Application of Pseudomonas spp. ETL-2013 in Microbial Degradation and Decolorization of Disperse Orange 3. **Journal Bioremediation & Biodegradation. (2013). 4:6**
14. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh J Maharaul. Microbial Degradation of Reactive Red by Pseudomonas spp. MPS-2. **Journal Bioremediation & Biodegradation. (2013). 4:6**
15. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Degradation of Reactive Orange M2R Dye by Bacterial Consortium ETL-A. **Journal Bioremediation & Biodegradation. (2013). 4:7**
16. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Isolation, Screening & Identification of Dye Decolorizing Bacteria from Common Effluent Treatment Plant of Ankleshwar, Gujarat. **Asian Journal of Microbiology, Biotechnology & Environment Science, Vol. 15, No. 93) (2013) : 533-540**
17. **Maulin P Shah**, Soniya Sebastian, Hemangi Mathukiya, A.M.Darji, Jigna Patel, Kavita A Patel. Decolorization of Remazol Black-B by Three Bacterial Isolates. **Romanian Achieves of Microbiology & Immunology (Romania), (2013).**
18. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Decolorization of Methyl Orange Dye by Pseudomonas spp. **OA Journal of Biotechnology (UK), (2013), 01:2(1):10**

19. **Maulin P Shah**, Kavita A Patel, Sunu S Nair. Microbiological removal of Crystal Violet Dye by *Bacillus subtilis* ETL-2211. **OA Journal of Biotechnology (UK), (2013), 01:2(1):09**
20. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Exploring the Strength of *Pseudomonas aeruginosa* ETL-1942 in Decolorization and Degradation of Acid orange dye to combat Textile Effluent: Applied Aspects. **OA Journal of Biotechnology (UK). (2013), 01:2(2):12**
21. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Degradation and Decolorization of Reactive Black by an Application of *Pseudomonas stutzeri* ETL-79. **OA Journal of Biotechnology (UK). (2013), 01:2(2):13**
22. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Selection of bacterial strains efficient in decolorization of Remazol Black-B. **OA Journal of Biotechnology (UK). (2013), 01:2(2):14.**
23. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Decolorization of Textile Dye by *Bacillus spp.* ETL-79: An Innovative Biotechnological Aspect to Combat Textile Effluents. **American Journal of Microbiological Research. (2013).Vol.1, No.3, 57-61**
24. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh J Maharaul. Optimization of Environmental Parameters on Decolorization of Remazol Black B using Mixed Culture. **American Journal of Microbiological Research. (2013), Vol.1.No.3, 53-56**
25. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Molecular Characterization and Optimization of Azo Dye Degrading *Bacillus subtilis* ETL- (2013). **Accepted in OA Journal of Cell & Molecular Biology (UK)**
26. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Degradation and Decolorization of Reactive Orange Dye by strain of *Pseudomonas Spp.* **International Journal of Environmental Bioremediation & Biodegradation (USA), (2013), Vo;.1, No.1, 1-5**
27. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Environmental Bioremediation of Dyes by *Pseudomonas aeruginosa* ETL-1 isolated from Final

- Effluent Treatment Plant of Ankleshwar. **American Journal of Microbiological Research (USA), (2013), Vo;1, No.4, 78-83**
28. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Isolation, Identification and Screening of Dye Decolorizing Bacteria. **American Journal of Microbiological Research (USA), (2013), Vo;1, No.4, 62-70**
29. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Decolorization of Remazol Brilliant Orange 3R, Remazol Black B & Remazol Brilliant Violet dyes in a Sequential Anaerobic-Aerobic System. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2013), Vo;1, No.1, 6-13**
30. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Degradation and Decolorization of Methyl Orange dye by an Application of *Pseudomonas* spp. ETL-1982. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2013), Vo;1, No.1, 26-36**
31. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Decolorization of the Azo Dye Methyl Red by *Enterobacter* spp. ETL-1979 **Journal of Applied & Environmental Microbiology (USA), (2013), Vol.1, No.1, 1-5**
32. **Maulin P Shah** Combined Application of Biological-Photocatalytic Process in Degradation of Reactive Black Dye: An Excellent Outcome. **American Journal of Microbiological Research (USA), (2013), Vol:1, No:4, 92-97**
33. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji, Shaktisinh Maharaul. Microbial Degradation of Azo Dye by *Pseudomonas* spp. MPS-2 by an Application of Sequential Microaerophilic & Aerobic Process. **American Journal of Microbiological Research (USA), (2013), Vol: 1, No: 4, 105-112.**
34. **Maulin P Shah**, Kavita A Patel, A.M.Darji. Microbial Decolorization of Reactive Black by *Pseudomonas stutzeri* ETL-79. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2013), Vol.1, No.2, 37-42**
35. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. Microbial Decolorization of Methyl Orange Dye by *Pseudomonas* spp. ETL-M. **International Journal of**

Environmental Bioremediation & Biodegradation (USA), (2013), Vol.1, No.2, 54-59

36. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A.M.Darji. An Innovative Approach to Biodegradation of Textile Dye (Remazol Black B) by *Bacillus* spp. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2013), Vol.1, No.2, 43-48**

2014:

37. **Maulin P Shah**, Kavita A Patel. Microbial Degradation of Reactive Red 195 by Three Bacterial Isolates in Anaerobic-Aerobic Bioprocess. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014), Vol.2, No.1, 5-11.**
38. **Maulin P Shah** Microbiological Removal of Phenol by an Application of *Pseudomonas* spp. ETL. An Innovative Biotechnological Approach Providing Answers to the problems of FETP. **Journal of Applied & Environmental Microbiology (USA), (2014), Vol.2, No.1, 6-11.**
39. **Maulin P Shah** Exploring the Strength of *Pseudomonas putida* ETL-7 in Microbial Degradation and Decolorization of Remazol Black-B. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014), Vol.2, No.1, 12-17.**
40. **Maulin P Shah** Azo dye reduction by Methanogenic Granular Sludge Exposed to Oxygen. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014), Vol.2, No.1, 18-24.**
41. **Maulin P Shah** Exploited Application of *Bacillus* spp. ETL-A & *Pseudomonas* spp. ETL-B in Microbial Degradation of Orange 16 dye. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014), Vol.2, No.1, 37-43.**
42. **Maulin P Shah**, Kavita A Patel, Sunu S Nair, A M Darji Microbial Degradation and Decolorization of Reactive Dye by *Bacillus* spp. ETL-1979. **American Journal of Microbiological Research (USA), (2014), Vol.2, No.1, 16-23.**

43. **Maulin P Shah** Microbial Decolorization of Reactive Azo Dye by *Bacillus spp.* ETL-1949 under Anaerobic condition. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014), Vol.2, No.1, 30-36.**
44. **Maulin P Shah, Kavita A Patel, Sunu S Nair, A M Darji** An Application of Response Surface Methodology in Microbial Degradation of Azo dye by *Bacillus subtilis* ETL-1979. **American Journal of Microbiological Research (USA), (2014), Vol.2, No.1, 24-34.**
45. **Maulin P Shah.** An Application of Bioaugmentation Strategy to Decolorize & Degrade Reactive Black dye by *Pseudomonas spp.* **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) Vol 2), No.2, 50-54**
46. **Maulin P Shah.** Exploring the Strength of *Pseudomonas –A & Pseudomonas B* in Removal of ClO_4^- & ClO_3^- : An Outstanding Approach of Environmental Bioremediation. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.2, 55-61**
47. **Maulin P Shah.** Exploited Application of a Newly Isolated *Pseudomonas acidovorans* XII in Microbial Degradation of 1-Chloro-4-Nitrobenzene. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.2, 75-83**
48. **Maulin P Shah, Kavita A Patel, Sunu S Nair, A M Darji.** Decolorization of Remazol Black-B by Three Bacterial Isolates. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.1, 44-49**
49. **Maulin P Shah.** Eco-Friendly Treatment of Acid Red by an Application of *Pseudomonas spp.*. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.2, 62-68**
50. **Maulin P Shah.** Evaluation and Analysis of Bacterial Communities from Different Waste Water Treatment Plants by Denaturing Gradient Gel Electrophoresis with Group Specific 16s rRNA. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 100-111**

51. **Maulin P Shah.** Microbial Degradation and Decolorization of Acid Orange Dye by Anaerobic/Aerobic Sequential Process **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 112-116**
52. **Maulin P Shah.** Microbial Degradation of Acid Blue Dye by Mixed Consortium **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 125-132**
53. **Maulin P Shah, Kavita A Patel.** Microbial Decolorization and Degradation of Remazol Black & Mordant Orange by Microbial Consortia Isolated from Common Effluent Treatment Plant. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 117-124**
54. **Maulin P Shah** Microbial Degradation of Azo Dye by *Pseudomonas* spp 2413 Isolated from Activated Sludge of Common Effluent Treatment Plant. **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 133-138**
55. **Maulin P Shah** On Site Application of *Pseudomonas Aeruginosa* ETL-1942 and *Bacillus Cereus* ETL-1949 in Decolorization and Degradation of Remazol Black-B **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 139-145**
56. **Maulin P Shah** Bioremedial Application of *Bacillus Megaterium* PMS82 in Microbial Degradation of Acid Orange Dye **International Journal of Environmental Bioremediation & Biodegradation (USA), (2014) (Vol 2), No.3, 93-99**
57. **Maulin P Shah** Exploited Application of Denaturing Gradient Gel Electrophoresis in Analysis of Ammonia Oxidizing Bacterial Community Structure **Journal of Applied & Environmental Microbiology (USA), (2014) (Vol 4), No.3, 116-127**
58. **Maulin P Shah** An Application of Mixed Consortium in Microbial Degradation of Reactive Red: Effective Strategy of Bioaugmentation **Journal of Applied & Environmental Microbiology (USA), (2014) (Vol 2), No.4, 143-154**

59. **Maulin P Shah** Microbial Degradation of 3-Chloroaniline by two Bacterial Strains isolated from Common Effluent Treatment Plant **Journal of Applied & Environmental Microbiology (USA), (2014) (Vol 2), No.4, 155-165**
60. **M. Shah** An Application of Sequencing Batch Reactors in the Identification of Microbial Community Structure from an Activated Sludge **Journal of Applied & Environmental Microbiology (USA), (2014) (Vol 2), No.4, 176-184**
61. **M. Shah** Exploring the efficacy of Bioaugmentation Strategy in Microbial Degradation of Chloroaniline. **Journal of Applied & Environmental Microbiology (USA), (2014) (Vol 2), No.4, 185-193**
62. **Maulin Shah** Application of *Pseudomonas aeruginosa* to clean-up Polluted water in Ankleshwar, Gujarat, India. **Biomedicine and Biotechnology (USA) (2014) (Vol 2), No:03, 42-45**
63. **Maulin Shah** Exploring the Efficacy of Bioaugmentation Strategy in Microbial Degradation of Chloroaniline. **Journal of Applied & Environmental Microbiology (USA) (2014) (Vol 2), No:04, 185-193**
64. **Maulin Shah** Isolation and Screening of Dye decolorizing bacteria. **Journal of Applied & Environmental Microbiology (USA) (2014) (Vol 2), No:05, 244-248**
65. **Maulin Shah** Analysis of Microbial Community Structure of Activated Sludge from Sequencing Batch Reactor (Accepted) **Journal of Applied & Environmental Microbiology (USA)**
66. **Maulin Shah** Bioaugmentation of *Pseudomonas aeruginosa* in Microbial Degradation of P-Nitro Phenol. **International Journal of Environmental Bioremediation & Biodegradation (USA) (2014) (Vol 2), No:05, 213-219**
67. **Maulin Shah** Enrichment of Activated Sludge Process in the Treatment of Industrial Waste Water. **American Journal of Microbiological Research (USA) (2014) (Vol 2), No:05, 131-137**
68. **Maulin Shah** Assessment of the Feasibility of Intrinsic Bioremediation Strategy in Anaerobic Benzene Biodegradation (Submitted) **Journal of Applied & Environmental Microbiology**

69. **Maulin Shah** Exploited Application of *Enterobacter spp.* in Microbial Degradation of Acrylamide: An Environmental Bioremedial Approach (Submitted) **Journal of Applied & Environmental Microbiology**
70. **Maulin Shah** An Application of Molecular Genetics in Characterization of Microbial Community Structure of Activated Sludge of Effluent Treatment Plant (Submitted) **Journal of Applied & Environmental Microbiology**
71. **Maulin Shah** Amplified Ribosomal DNA Restriction Analysis as a tool to characterize Microbial Community Structure of Activated Sludge of Common Effluent Treatment Plant. **International Journal of Environmental Bioremediation & Biodegradation** (USA) (2014) (Vol 2), No:04, 197-201
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82. **Maulin Shah** Biodegradation of Azo Dyes by Three Bacterial Strains: An Environmental Bioremedial Approach. **Microbial & Biochemical Technology (SPECIAL ISSUE) (S3)** (USA) (2014), 1-5
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86. **Maulin Shah** Microbial Degradation of Acid Orange Dye by an application of Pseudomonas spp. ETL-1979 isolated from the textile dye effluent: An Environmental Bioremedial Approach (**Accepted**) **Biotechnology Journal; OA Publisher**

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88. **Maulin P Shah** Exploited Application of *Lactobacillus* in Microbial Degradation and Decolorization of Acid Orange. **International Journal of Environmental Bioremediation & Biodegradation**, 2014, Vol. 2, No. 4, 160-166
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104. **Maulin P Shah** Exploring the Efficacy of Bio-augmentation Strategy in Microbial Degradation of Chloroaniline. **African Journal of Biotechnology**.

105. **Book Chapter: Microbe-Mediated Degradation of Synthetic Dyes in Wastewater**. Microbial Degradation of Synthetic Dyes in Wastewaters Environmental Science and Engineering 2015, pp 205-241, Edited by Prof S N Singh.

106. **Maulin P Shah** Exploitation of Denaturing Gradient Gel Electrophoresis in Analysis of Microbial Diversity. **Journal of Microbial & Biochemical Technology**.

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Maulin P Shah Microbial Decolorization of Dyes by Laccase. **International Journal of Current Microbiology and Applied Sciences**

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113. **Maulin P Shah** Understanding the Efficacy of Influent Waste Water on Microbial Community Structure of Activated Sludge Process **African Journal of Biotechnology**

114. **Maulin P Shah** Exploitation of Molecular Genetics in Microbial Degradation and Decolorization of Industrial Waste Water Effluent **African Journal of Biotechnology**

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116. **Maulin P Shah** Quantification of Nitrate reduction genes in anoxic treatment plant **Water Research (Accepted)**

117. **Maulin P Shah** Dynamics of AOB and NOB in Activated Sludge Process of Effluent Treatment Plant **Austin Journal of Biotechnology & Bioengineering (Submitted)**

118. **Maulin P Shah** Exploitation Application of Pyrosequencing in Analysis of Ammonia Oxidizing Bacteria of Industrial Waste Water Treatment Plant **Water Research (Accepted)**

119. **Maulin P Shah** Effect of Anaerobic Granular Sludge in Degradation of Two Azo dyes. **International Journal of Environmental Research (Accepted)**

120. **Maulin P Shah Book Chapter in Springer** Microbe-Mediated Degradation of Synthetic Dyes in Wastewater **Microbial Degradation of Synthetic Dyes in Wastewaters**, 205-241 (Ed: Shree Nath Singh)

Regular Reviewer in Scientific Journals:

1. Bioremediation Journal
2. Journal of Bioremediation & Biodegradation (OMICS Group)
3. International Journal of Research in Biosciences
4. International Journal of Environmental Bioremediation & Biodegradation (Science and Education Publishing, USA)
5. American Journal of Microbiological Research (Science and Education Publishing, USA)
6. Indian Journal of Biotechnology
7. African Journal of Biotechnology
8. African Journal of Microbiology
9. Journal Applied & Environmental Microbiology (Science and Education Publishing, USA)
10. Eco-toxicology & Environmental Pollution (ELSEVIER)
11. American Journal of Bioengineering and Biotechnology
12. Journal of Environmental Pollution and Human Health (Sci. & Edu. Publishing., USA)
13. Journal of Petroleum and Environmental Biotechnology (Science and Education Publishing, USA)
14. GERF Bulletin of Biosciences- An Official of Green Earth Research Foundation
15. Environmental Health Insights-Liberta
16. Journal of Environmental & Analytical Toxicology
17. Current Biotechnology - ELSEVIER
18. British Research Journal of Microbiology
19. Water Science & Technology (IWA Publishing)
20. Water Research (ELSEVIER)
21. International Journal of Industrial Waste Water Treatment
22. Nucleic Acid Research
23. Journal of Hazardous Materials - ELSEVIER
24. Process Biochemistry - ELSEVIER
25. Biodegradation
26. Molecular Biology-OMICS
27. Journal of Microbial & Biochemical Technology-OMICS
28. Molecular Biotechnology-SPRINGER
29. Journal of Bio processing & Bio techniques-OMICS
30. Journal of Environmental & Analytical Toxicology-OMICS
31. Advances in Recycling & Waste Management-OMICS
32. Expert Opinion On Environmental Biology-OMICS

33. Journal of Pollution Effects & Control-OMICS
34. Journal of Industrial Pollution Control-OMICS
35. Applied Biological Chemistry-Springer
36. BMC Microbiology
37. Water & Environment-WILEY
38. International Journal of Water Resources & Environmental Engineering
39. International Bio deterioration & Bio degradation -ELSEVIER
40. Journal of Industrial Microbiology & Biotechnology – SPRINGER
41. Polish Journal of Environmental Studies – POLAND
42. Indian Journal of Experimental Biology
43. International Journal of Microbiology & Biotechnology-Science Publishing Group

Editor/Editorial Board Member

1. **Editorial Board Member** in Journal of Environment Pollution and Human Health (Science and Education Publishing, USA) (2012-2014)
2. **Founder Editor-in-Chief** : International Journal of Environmental Bioremediation & Biodegradation (Science and Education Publishing, USA; From: 2011 to 2014)
3. **Founder Editor-in-Chief:** Journal of Applied & Environmental Microbiology (Science and Education Publishing, USA; 2011 to 2014)
4. **Editorial Board Member:** Electronic Journal of Energy & Environment
5. **Editorial Board Member** : American Journal of Microbiological Research (Science and Education Publishing, USA) (2012-2014)
6. **Editorial Board:** Journal of Petroleum & Environmental Biotechnology
7. **Editorial Board:** Frontiers in Environmental Microbiology
8. **Editorial Board:** International Journal of Water & Waste Water Treatment
9. **Editorial Board:** SOJ Biotechnology Open Access
10. **Editorial Board:** SOJ Microbiology & Infectious Disease Open Access
11. **Editorial Board:** Journal of Environmental Science & Sustainability
12. **Editorial Board:** International Journal of Biotechnology Applications
13. **Editorial Board:** Austin Journal of Biotechnology & Bio engineering
14. **Editorial Board:** Electronic Journal of Energy & Environment
15. **Editorial Board:** GERF Bulletin of Bio science
16. **Editorial Board:** Advances in Microbiology
17. **Editorial Board:** European Journal of Biotechnology & Bio science
18. **Editorial Board:** International Journal of Waste Resources
19. **Editorial Board:** International Journal of Current Biotechnology
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38. **Editorial Board:** Bioscience Biotechnology Research Asia
39. **Editorial Board:** Journal of Immunology & Cellular Microbiology
40. **Editorial Board:** Scholars Report: Section: Immunology & Microbiology
41. **Editorial Board:** Research Journal of Environmental Toxicology
42. **Editorial Board:** Current Research in Bacteriology
43. **Editorial Board:** Asian Journal of Biotechnology
44. **Editorial Board:** Waste Recycling Research
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46. **Editorial Board:** Journal of Microbiology & Biomedical Research
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50. **Editorial Board:** Journal of Bioscience & Biotechnology
51. **Editorial Board:** SOJ Biochemistry- Symbiosis
52. **Editorial Board:** Bioscience & Bioengineering: An International Journal
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54. **Editorial Board:** Advances in Civil & Environmental Engineering
55. **Editorial Board:** International Journal of Biology Research
56. **National Advisory Board:** International Journal of Pharmaceutical, Chemical & Biological Sciences
57. **Editorial Board:** Journal of Cellular Biology & Molecular Sciences
58. **Editorial Board:** Journal of Bioscience & Applied Research
59. **Editorial Board:** Fermentation Technology – OMICS
60. **Editorial Advisory Board:** Malaya Journal of Biosciences
61. **Editorial Board:** Brazilian Journal of Biological Sciences
62. **Editorial Board:** Asian Journal of Biological & Life Sciences
63. **Editorial Board:** Journal of Environmental Engineering & Ecological Sciences
64. **Editorial Board:** Open Access Journal of Microbiology & Biotechnology
65. **Editorial Board:** SOJ Biochemistry
66. **Editorial Board:** Journal of Microbiology & Biomedical Research
67. **Editorial Board:** Academy of Agriculture Journal

- 68 **Editorial Board:** Brazilian Achieves of Biology & Technology
- 69 **Editorial Board:** World Journal of Bioscience & Biotechnology Research
- 70 **Editorial Board:** Journal of Scientific Research in Pharmaceutical, Chemical and Biological Sciences
- 71 **International Advisory Board:** Asian Journal of Biological & Life Sciences
- 72 **Editorial Board:** Open Science Journal of Bioscience & Bioengineering
- 73 **Member:** Scientific Technical Committee and Editorial Board on Chemical, Biological, Medical & Environmental Sciences
- 74 **Member:** International Scientific Committee and Editorial Board on Bioengineering and Life Sciences
- 75 **Review Editor:** Frontiers in Microbiology
- 76 **Review Editor:** Frontiers in Environmental Science
- 77 **Review Editor:** Frontiers in Bioengineering & Biotechnology
- 78 **Editorial Board:** International Journal Microbiology & Advanced Immunology
- 79 **Editorial Board:** Journal of Science Technology & Environmental Informatics
- 80 **Editorial Board:** International Journal of Microbiology & Applications- Open Access
- 81 **Editorial Board:** American Journal of Biology & Life Sciences- Open Access
- 82 **Editorial Board:** Bioscience & Bioengineering- Open Access
- 83 **Editorial Board:** Bioremediation Science and Technology Research
- 84 **Editorial Board:** Journal of Environmental Microbiology & Toxicology
- 85 **Editorial Board:** Journal of Microbiology and Genetics-GAVIN PUBLISHERS
- 86 **Editorial Board:** Journal of Advances in Molecular Biology
- 87 **Editorial Board:** Microbiology- An International Journal
- 88 **Editorial Board:** Air & Water Borne Disease –OMICS International
- 89 **Editorial Board:** International Journal of Research Studies in Microbiology and Biotechnology
- 90 **Editorial Board:** International Journal of Environmental Science and Natural Resources
- 91 **Editorial Board:** International Journal of Molecular Biology: Open Access
- 92 **Editorial Board:** Journal of Science, Technology & Environment Informatics
- 93 **Editorial Board:** Clinical Microbiology & Biotechnology-Scientia Ricera
- 94 **Editorial Board:** Asian-Australasian Journal of Bioscience and Biotechnology
- 95 **Editorial Board:** International Journal of Biotech Trends and Technology
- 96 **Editorial Board:** Asian-Australasian Journal of Bioscience and Biotechnology
- 97 **Editorial Board:** Bioscience Biotechnology Research Communications
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- 100 **Editorial Board:** Environmental Risk Assessment and Remediation
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- 103 **Editorial Board:** Biochemistry and Molecular Biology Letters
- 104 **Editorial Board:** Journal of Applied Biotechnology Reports
- 105 **Editorial Board:** International Journal of Advances in Scientific Research
- 106 **Editorial Board:** Journal of Bio –Technology and Research

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109 **Associate Editor:** Journal of Bacteriology and Mycology: An Open Access
110 **Editorial Board:** International Journal of Bioprocess and Biotechnological
Advancements
111 **Editorial Board:** Journal of Microbiology & Genetics
112 **Associate Editor:** International Journal of Life Sciences Scientific Research

Served as an Organizing Committee Member in:

- (1) International Conference and Summit on Industrial & Pharmaceutical Microbiology, October, 17-18, 2016, Kuala Lumpur, Malaysia
- (2) Second Annual Conference and Expo on Biomaterials, Madrid, Spain, March 27-28, 2017
- (3) Second International Conference on Chemical & Biochemical Engineering, June 7-8, 2017, Milan, Italy
- (4) 8th International Conference on Proteomics and Bioinformatics, May 22-24, Osaka, Japan
- (5) 2nd Euro Global Summit and Expo on Biomass, October 12-13, 2017, UK, London

POSTER PRESENTATION:

1. **M.P.Shah**, N.S.Mistry, H.A.Modi, S.Y.Kharadi & A.H.Patel. Effect of Various Phytic Acid Salts on Production of Alkaline Protease from *B.subtilis* NSM-3. Presented at **A.M.I** Conference held in 2001. Gulbarga Uni. Karnataka.
2. **M.P.Shah**, N.S.Mistry & H.A.Modi. Isolation of a high yielding alkaline protease variant of *B.subtilis* NSM-3. Presented in **International Symposium on Recent Advances in Biological Sciences-** Trichengode- Tamil Nadu, 2001.
3. **M.P.Shah**, N.S.Mistry & H.A.Modi Optimization of Alkaline protease Production by *B.subtilis* NSM-3. **Presented in International Symposium on Recent Advances in Biological Sciences-** Trichengode- Tamil Nadu, 2001.
4. **M.P.Shah**, Urvik Patel, Anju Nagge & I.L.Kothari. Potential of two fungal isolates as Bio-Recycling Agents. Presented in **National Symposium on Environmental Biotechnology and Biodiversity Conservation** under UGC-DSA Programme from 31st Jan and 1st Feb 2003. S.P.Uni, V.V.Nagar.

5. **M.P.Shah**, Urvik Patel & I.L.Kothari. Environmental Bioremediation of Banana Fields by Fungal Biotechnology. **Presented in National Symposium on Environmental Biotechnology and Biodiversity Conservation** under **UGC-DSA** from 31st Jan and 1st Feb 2003. S.P.Uni, V.V.Nagar.
6. **Maulin P Shah** ,N.S.Mistry,H.A.Modi, S.Y.Kharadi & A.H.Patel. Effect of Various Phytic Acid Salts on Production of Alkaline Protease from *B.subtilis* NSM-3. Presented at **A.M.I** Conference held in 2001. **Gulbarga Uni. Karnataka.**
7. **Maulin P Shah**, Soniya Sebastian, M.Patel, S.Shah, Patel Aakash, M.Topiwala, A.Pandya. Optimization of Environmental Parameters on the growth of Cellulolytic Fungi *Penicillium* spp. SS-005 for the Bioconversion of Coconut waste in to value added products. Presented at **“National Symposium on Biotechnology Led-Paradigm Shift-2010”** held at **Sardar Patel University, Vallabh Vidyanagar in 2010.**
8. **Maulin P Shah**, Soniya Sebastian, Hemangi Mathukiya, A M Darji. Microbial Degradation of Phenol by an Application of *Pseudomonas spp.* Isolated from Activated Sludge of Common Effluent Treatment Plant: A Biotechnological Approach towards Environmental Solution. Presented at **International Conference in New Horizons in Biotechnology at Trivandrum, Kerala, November, 2011.**
9. Maulin P Shah, **Soniya Sebastian**, Hemangi Mathukiya, A M Darji. Bioremediation of Dyes using Aerobic Microbial Consortia of *Pseudomonas spp.* ETL-2468.-“An environment friendly and cost cutting technology providing answers to the problems of CETP”. Presented at **International Conference in New Horizons in Biotechnology at Trivandrum, Kerala, November, 2011**
10. Maulin P Shah, Soniya Sebastian, **Hemangi Mathukiya**, A M Darji, Shaktisinh Maharaul. “A Biotechnological thrive on Phenol removal by an Application of *Pseudomonas cepacia* 2413 isolated from Activated sludge of Final Effluent Treatment Plant (FETP) of Ankleshwar: An Innovative Approach for Sustainable Environment. Presented at **International Conference in New Horizons in Biotechnology at Trivandrum, Kerala, November, 2011**

- 11. Maulin P Shah, Kavita A Patel, A M Darji. Microbial Decolorization of the Leather Industry Dye by Newly Isolated Bacterial Strains. Presented at **International Conference of Industrial Biotechnology & IXth Convention of Biotech Research Society of India, organized by Department of Biotechnology, Punjabi University, Patiala, Punjab during 21-23 November, 2012.****



BIOGRAPHY:

Maulin P. Shah, currently Chief Scientist & Head – Industrial Waste Water Research Lab, Division of Applied and Environmental Microbiology Lab at Enviro Technology Ltd., Ankleshwar, Gujarat, India, received his Ph.D. (2002-2005) in Environmental Microbiology from Sardar Patel University, Vallabh Vidyanagar, Gujarat. He has served as an Assistant Professor at Godhra, Gujarat University in 2001. He is a Microbial Biotechnologist with diverse research interest. A group of research scholars is working under his guidance on the areas ranging from Applied Microbiology, Environmental Biotechnology, Bioremediation, and Industrial Liquid Waste Management to solid state fermentation. His work has been focused to assess the impact of industrial pollution on microbial diversity of wastewater following cultivation dependant and cultivation independent analysis. His major work involves isolation, screening, identification and Genetic Engineering of high impact of Microbes for the degradation of hazardous materials. He has more than 190 research publication in highly reputed national and international journals. He directs the Research program at Enviro Technology Ltd., Ankleshwar. He has guided more than 100 Post Graduate students in various disciplines of Life Science. He is an active Editorial Board Member in 110 highly reputed Journal's in the field of Environmental & Biological Sciences. He was Founder Editor-in-Chief of International Journal of Environmental Bioremediation and Biodegradation (2012-2014) as well as Journal of Applied and Environmental Microbiology (2012-2014) (Science and Education Publishing, USA). He is also serving as a reviewer in various journals of national and international repute. Recently, he has been awarded as a Young Biotechnologist Medal by Biotechnological Society of Nepal”.

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MY AREAS OF INTEREST:

GENERAL MICROBIOLOGY, APPLIED MICROBIOLOGY, ENVIRONMENTAL MICROBIOLOGY, WASTE WATER MICROBIOLOGY, FERMENTATION MICROBIOLOGY, MOLECULAR MICROBIOLOGY, BIOCHEMICAL ENGINEERING, MOLECULAR GENETICS, CELLULAR MICROBIOLOGY, BIO-REMEDIATION, BIO-DEGRADATION, ENVIRONMENTAL TOXICOLOGY

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