



Resolving Double Helix For Life

# C G Bhakta Institute of Biotechnology

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## Dr. N. Amaresan

Assistant Professor  
CGBIBT  
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### Education

<b>Ph.D. in MICROBIOLOGY</b> BHARATHIDASAN UNIVERSITY	<b>January 2012</b>
<b>Master of Science, MICROBIOLOGY</b> BHARATHIDASAN UNIVERSITY	<b>May 2004</b>
<b>Bachelor of Science, MICROBIOLOGY</b> UNIVERSITY OF MADRAS	<b>April 2002</b>

### Specialization

Microbiology)

### Professional/Teaching Experience

<b>Assistant Professor</b> C.G. Bhakta Institute of Biotechnology Uka Tarsadia University	<b>From 1<sup>st</sup> July' 2013 to till date</b> <b>(8 years 3 months)</b>
<b>Lecturer</b> Kanchi Sri Krishna College of Arts and Science University of Madras	<b>From 19<sup>th</sup> Jan' 2005 to 4<sup>th</sup> Oct' 2006</b> <b>(1 year 8 months)</b>
<b>Microbiologist</b> Microlabs Institute of Research and Technology	<b>From 20<sup>th</sup> May' 2004 to 17<sup>th</sup> Jan' 2005</b> <b>(8 months)</b>

### Research Interest

**Molecular Microbial Diversity (PGPR); Molecular Plant-Microbe Interactions (Phytoremediation, Bio-fortification, Biocontrol); Soil Protist (Auxiliary microbial loop hypothesis); Nanotechnology in Agriculture; Metagenomics**



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### Research Experience

#### Senior Research Fellow

National Centre for Integrated Pest Management **From 11<sup>th</sup> Sep' 2012 to 22<sup>nd</sup> June 2013**  
(10 months)

#### Research Associate

Institute of Genomic and Integrative Biology **From 7<sup>th</sup> Mar' 2012 to 31<sup>st</sup> May 2013**  
(3 months)

#### Senior Research Fellow

Central Agricultural Research Institute **From 11<sup>th</sup> Oct' 2006 to 16<sup>th</sup> May 2011**  
(4 years 7 months)

### R & D projects completed/ongoing/proposed

#### Grants received for R & D activities

S. No	Title of the Project	Funding agency	Amount (Rs)	Role	Year	Status
1	Investigation of bacterivorous soil protozoa and rhizosphere bacterial interactions for improved plant growth promotion: Testing the auxiliary microbial loop hypothesis	DST-SERB (ECRA)	29,05,914	PI	2018-2021	Ongoing
3	Microbial mediated phytoremediation into biofortification of iron from iron stressed sites in Surat, Gujarat	GEMI	7,05,300	PI	2018-2020	Completed
4	DST inspire internship program	DST-Inspire	9,75,000	PI	2018	Completed
5	Isolation and characterization of bioactive compounds from plant associated bacteria from medicinal plants for the management of wilt causing pathogens	UTU-RPS	50,000	PI	2018	Completed
5	Morphological and molecular characterization of leaf spot causing pathogens associated with solanaceous crops grown in and around South Gujarat	GUJCOST	21,000	PI	2016	Completed



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6	Microbiome based alleviating phytoremediation system for decontamination of soils in the river Damanganga of Vapi	UTU-RPS	75,000	PI	2015	Completed
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## 2. Grants received for seminar/conference etc.

S. No	Title of the Program	Funding agency	Amount (Rs)	Role	Year	Status
1	National conference on Microbiome research: Understanding the diversity to improve plant, animal, human and environmental health	GSBTM NBA DBT ISME AMI	4,50,000	Organizing Secretary	2019	Completed
2	DBT-CTEP sponsored popular lecture series on Biotechnology	DBT	1,72,000	Co-ordinator	2015	Completed
3	International conference on current status, opportunities and challenges in medicinal plants and natural product research	GMPB DBT DST GSBTM GUJCOST	4,40,000	Organizing Secretary	2014	Completed

## Honours/Awards/creditable position

- **Early Career Research Award-2018** by Department of Science & Technology, Science & Engineering Research Board, Govt. of India, New Delhi
- **INSA Visiting Scientist fellowship award** by Indian National Science Academy for the year 2017-2018
- **Young Scientist Award in Basic Sciences (Microbiology)- 2016** by National Academy of Biological Sciences
- **Young Scientist Award in Agricultural Microbiology-2016** by Association of Microbiologists of India
- **Session Chairman** for poster presentation of the 4<sup>th</sup> International congress of the society for the ethnopharmacology (SFEC-2017): Healthcare in 21<sup>st</sup> century: Perspectives on ethnopharmacology and medicinal plant research, organized by Uka Tarsadia University, Bardoli, on 23-25 February, 2017
- **Qualified ICAR-NET (Agricultural Microbiology)** conducted by ASRB, New Delhi in 2015
- **Referee/Reviewer** for Extra Mural Research Funding scheme of Science and Engineering Research Board (SERB), New Delhi.
- **President-** Association of Microbiologists of India-Uka Tarsadia University Unit (From 2016)
- **Examiner to adjudicate the Ph.D., thesis-** Bharathidasan University, Tiruchirappalli, University of Madras, Chennai, Thiruvalluvar University, Vellore, PRIST University, Thanjavur, Hemchandracharya North Gujarat University, Patan.



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- **Coordinator**, Training and placement Cell, C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University (2016-2018)
- **Member**, Board of Studies in Microbiology, C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University

➤ **As a Guiding Teacher**

Dissertation/M.Phil/PhD	Year/Semester	No of student
Ph.D.	Microbiology	01 (completed)
Ph.D.	Microbiology & Biotechnology	04 (ongoing)
M.Sc. Dissertation	Microbiology & Biotechnology	65 (completed)
M.Sc. Dissertation	Microbiology & Biotechnology	16 (ongoing)

➤ **Editorial Board Member**

1. Associate Editor- Journal of Pharmacy and Applied Sciences (From 2014)
2. Editorial Advisory Board- International Journal of Current Microbiology and Applied Sciences. ISSN: 2319-7706. (From 2014)
3. Editorial Advisory Board- International Journal of Current Research and Academic Review. ISSN: 2347-3215. (From 2014)
4. Editorial Advisory Board- International Journal of Current Research in Biosciences and Plant Biology ISSN: 2349-8072. (From 2014)
5. Editorial Board Member- International Journal of Microbiology, Allied Science and Techno Research (From 2015)
6. Editorial Board Member- Microbioz Journals, Journal of Microbiology and Biomedical Research ISSN: 2395-5678 (From 2015)
7. Editorial Board Member- International Research Journal of India ISSN: 2454-8707 (From 2016)
8. Advisory Board Member- Ecological Indicators (Elsevier). ISSN: 1470-160X (From 2020)

➤ **As a member/ referee in indexed/peer-reviewed journal (if yes, give journal name)**

**A. Reviewer**

- Plant Disease (ISSN: 0191-2917) Publisher: American Phytopathological Society
- Marine and Fresh Water Research (ISSN: 1323-1650) Publisher: CSIRO Publishing
- Biochemical Systematics and Ecology (ISSN: 0305-1978) Publisher: Elsevier
- HAYATI Journal of Biosciences (ISSN: 1978-3019) Publisher: Elsevier
- BioControl (ISSN: 1573-8248) Publisher: Springer
- Fish and Shellfish Immunology (ISSN: 1050-4648) Publisher: Elsevier
- Journal of Soil Science and Plant Nutrition (ISSN: 0718-9516) Publisher: Chilean Society of Soil Science
- Environmental Science & Pollution Research (ISSN: 1614-7499) Publisher: Springer
- Journal of Basic Microbiology (ISSN: 1521-4028) Publisher: Wiley



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- Environmental Technology (ISSN: 1479-487X) Publisher: Taylor & Francis
- BMC Microbiology (ISSN: 1471-2180) Publisher: Springer
- Comparative Biochemistry and Physiology - Part C: Toxicology & Pharmacology (ISSN: 1532-0456) Publisher: Elsevier
- International Microbiology (ISSN: 1618-1905) Publisher: Springer
- Journal of Phytopathology (ISSN: 1439-0434) Publisher: Wiley
- Chemosphere (ISSN: 0045-6535) Publisher: Elsevier
- Environmental Sustainability (ISSN: 2523-8922) Publisher: Springer
- International Journal of Phytoremediation (ISSN: 1549-7879) Publisher: Taylor & Francis
- Applied Biochemistry and Biotechnology (ISSN: 1559-0291) Publisher: Springer
- BioMed Research International (ISSN: 2314-6141) Publisher: Hindawi
- Chiang Mai University Journal of Natural Sciences (ISSN: 2465-4337) Publisher: Chiang Mai University
- Geomicrobiology Journal (ISSN: 1521-0529) Publisher: Taylor & Francis
- International Journal of Environmental Research (ISSN: 2008-2304) Publisher: Springer
- Letters in Applied Microbiology (ISSN: 1472-765X) Publisher: Wiley
- Journal of Biomolecular Structure & Dynamics (ISSN: 1538-0254) Publisher: Taylor & Francis
- Scientific Reports (ISSN: 2045-2322) Publisher: Nature groups
- Journal of the Science of Food and Agriculture (ISSN: 1097-0010) Publisher: Wiley
- Sugar Tech (ISSN: 0972-1525) Publisher: Springer
- Bioresource Technology Reports (ISSN: 2589-014X) Publisher: Elsevier
- Folia Microbiologica (ISSN: 1874-9356) Publisher: Springer
- Biocatalysis and Agricultural Biotechnology (ISSN: 1878-8181) Publisher: Elsevier
- Journal of Integrative Agriculture (ISSN: 2095-3119) Publisher: Elsevier
- Current Microbiology (ISSN: 2319-7706) Publisher: Springer
- Aquaculture International (ISSN: 1573-143X) Publisher: Springer
- Pedosphere (ISSN: 1002-0160) Publisher: Elsevier
- Electronic Journal of Biotechnology (ISSN: 0717-3458) Publisher: Elsevier
- Journal of Plant Interactions (ISSN: 1742-9153) Publisher: Taylor & Francis
- Microbial Ecology (ISSN: 1432-184X) Publisher: Springer
- Egyptian Journal of Microbiology (ISSN: 2357-0881) Publisher: NIDOC

### B. Membership

1. Member-International Subcommission for *Trichoderma* and *Hypocrea*
2. Life Member- National Academy of Biological Sciences ((LM. 017-15))
3. Life Member- Asian PGPR Society (LM. 501)
4. Life Member- Association of Microbiologist's of India (LM. 4108-2015)
5. Life Member- Biotech Research Society of India (LM. 2394)



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### Symposia / Conference/ Seminar/ Workshops Organized

1. Organized **International conference on current status, opportunities and challenges in medicinal plants and natural product research**, C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Gujarat in collaboration with University of Illorin, Nigeria and Zandu foundation for Healthcare, Ambach, India during September 24-26, 2014 (**Sponsored by GMPB, DBT, DST, GSBTM & GUJCOST**) –**As Organizing Secretary.**
2. Organized **DBT-CTEP sponsored Popular lecture series on Biotechnology**, at C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Gujarat during September 19<sup>th</sup> and 01<sup>st</sup> & 12<sup>th</sup> October, 2015- **As Co-ordinator**
3. Organized **“INSPIRE (Innovations in Science Pursuit for Inspired Research) Internship Program sponsored by the DST (Govt. of India)** for the XI<sup>th</sup> standard students during 05<sup>th</sup>- 09<sup>th</sup> September, 2018 at Uka Tarsadia University, Gujarat- **As Co-ordinator.**
4. Organized **“National level workshop on prospects and challenges to become bio-entrepreneurs through student start-ups”**, at C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Gujarat, during February 01<sup>st</sup> – 02<sup>nd</sup>, 2019 (**Sponsored by GUJCOST & GSBTM**) –**As Convener.**
5. Organized **National conference on Microbiome research: Understanding the diversity to improve plant, animal, human and environmental health**, at C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Gujarat, during March 07<sup>th</sup> – 09<sup>th</sup>, 2019 (**Sponsored by GSBTM, NBA, DBT, ISME & AMI**) –**As Organizing Secretary.**

### Professional/Research Training

- Participated in E-workshop on **How to start Bioinformatics, and data analysis for Next Generation Sequencing** on 14-31<sup>st</sup> August 2021, organized by Nextgenhelper, New Delhi.
- Participated in the **Faculty Development programme** (Fundamentals of Presentation and Presentability) on 08<sup>th</sup> April 2019-13<sup>th</sup> April 2019, at The Center of Humanities and Development, Uka Tarsadia University, Gujarat.
- Attended one month training programme as **INSA-Visiting Scientist Fellow** on 16<sup>th</sup> October 2017-15<sup>th</sup> November 2017, at Indian Institute of Pulses Research, Kanpur.
- Participated in the **21<sup>st</sup> Faculty Development programme** on 31<sup>st</sup> July 2017-16<sup>th</sup> August 2017, at The Center of Humanities and Development, Uka Tarsadia University, Gujarat.
- Participated in the 31<sup>st</sup> winter school on **"Microbial-Molecular Techniques and their Applications"** on 26<sup>th</sup> December 2016 to 07<sup>th</sup> January 2017, at UGC-Networking Resource Centre in Biological Sciences, School of



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Biological Sciences, Madurai Kamaraj University, Madurai, Tamil Nadu.

- Participated in the "**American Society for Microbiology virtual workshop on Culture of Responsibility**" organized by Jaipur National University, Jaipur on 27 to 28 March, 2015.
- Participated in the National workshop cum Training on "**Sequence Alignment and Phylogenetic Analysis**" on 09-11th June 2010, at Sub-Distributed Information Centre (Central Agricultural Research Institute), Port Blair Andaman & Nicobar Islands
- Participated in the winter school on "**Metagenomics**" on 02-16 March 2009, at UGC Networking Resource Centre in Biological Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai, Tamil Nadu
- Attended one week training program in "**Bioinformatics- particularly sequence analysis and gene finding**" at AU-KBC research centre, MIT campus of Anna University, Chrompet, on 4-8 August 2008
- Participated in the National workshop cum Training on "**Molecular modeling and Protein docking**" on 25-28th February 2008, at Sub-Distributed Information Centre (Central Agricultural Research Institute), Port Blair Andaman & Nicobar Islands
- Participated in the National Training on "**Microbial Community Analysis Through Metagenomics**" on 3-7 February 2007, at National Bureau of Agriculturally Important Microorganisms, Mau, UP
- One month summer training on **Virus cultivation and Identification** at Kings Institute of Preventive Medicine (Virology Department-National Polio Lab), in the period of June 2003
- Workshop on "**State of the art techniques in Agricultural Microbiology**" organized by AVVM Pushpam College of Arts & Science, Poondi, on 4 to 6 October, 2002

### Publications (\*Corresponding author)

#### Research Papers

- 1) Chandarana KA, **Amaresan N\***. 2021. Soil protists: An untapped microbial resource of agriculture and environmental importance. *Pedosphere*. (Accepted).
- 2) Patel P, Gajjar H, Joshi B, Krishnamurthy R, **Amaresan N\***. 2021. Inoculation of salt-tolerant *Acinetobacter* sp (RSC9) improves the sugarcane (*Saccharum officinarum*) growth under salinity stress condition. *Sugar Tech*. (In press. DOI: 10.1007/s12355-021-01043-w).



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- 3) Kumar K, Thakur P, Rathore US, Kumar S, Mishra RK, **Amaresan N**, Pandey S, Mishra M. 2021. Plant beneficial effects of *Trichoderma* spp suppressing *Fusarium* wilt and enhancing growth in tomato. ***Vegetos.*** (In press. doi.org/10.1007/s42535-021-00277-z).
- 4) **Amaresan N\***, Jayakumar V, Kumar K, Thajuddin N. 2021. Plant beneficial effect of *Proteus mirabilis* isolated from tomato (*Lycopersicon esculentum*) plants. ***National Academy Science Letters.*** 44 (5): 453-455.
- 5) Jinal HN, Vibhuti M, **Amaresan N\***. 2021. Isolation and pathogenicity of leaf-spot-associated fungi isolated from solanaceous crops grown in south Gujarat, India. ***National Academy Science Letters.*** 44 (4): 351-353.
- 6) Kartik VP, Jinal HN, **Amaresan N\***. 2021. Inoculation of cucumber (*Cucumis sativus* L.) seedlings with salt-tolerant plant growth promoting bacteria improves nutrient uptake, plant attributes and physiological profiles. ***Journal of Plant Growth Regulation.*** 40 (4): 1728-1740.
- 7) Jinal HN, Gopi K, Kumar K, **Amaresan N\***. 2021. Effect of zinc-resistant *Lysinibacillus* species inoculation on growth, physiological properties, and zinc uptake in maize (*Zea mays* L.). ***Environmental Science and Pollution Research.*** 28 (6): 6540-6548.
- 8) Patel P, Patel B, **Amaresan N\***, Joshi B, Shah R, Krishnamurthy R. 2020. Isolation and characterization of *Lactococcus garvieae* from the fish gut for in vitro fermentation with carbohydrates from agro-industrial waste. ***Biotechnology Reports.*** 28 (2020): e00555.
- 9) Prittesh P, Avnika P, Kinjal P, Jinal HN, Sakthivel K, **Amaresan N\***. 2020. Amelioration effect of salt-tolerant plant growth-promoting bacteria on growth and physiological properties of rice (*Oryza sativa*) under salt-stressed conditions. ***Archives of Microbiology.*** 202 (9): 2419-2428.
- 10) Jinal HN, **Amaresan N\***. 2020. *In silico* and *in vitro* analyses of glucosamine and indole acetaldehyde inhibit pathogenic regulator gene *phcA* of *Ralstonia solanacearum*, a causative agent of bacterial wilt of tomato. ***Applied Biochemistry and Biotechnology.*** 192 (1): 230-242.
- 11) Shah R, Chaudhari K, Patel P, **Amaresan N**, Krishnamurthy R. 2020. Isolation, characterization, and optimization of indole acetic acid-producing *Providencia* species (7MM11) and their effect on tomato (*Lycopersicon esculentum*) seedlings. ***Biocatalysis and Agricultural Biotechnology.*** 28 (2020): 101732.
- 12) Jinal HN, **Amaresan N\***. 2020. Evaluation of biocontrol *Bacillus* species on plant growth promotion and systemic induced resistant potential against bacterial and fungal wilt causing pathogens. ***Archives of Microbiology.*** 202 (7): 1785-1794.



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- 13) Shah R, **Amaresan N**, Patel P, Jinal HN, Krishnamurthy R. 2020. Isolation and characterization of *Bacillus* spp. endowed with multifarious plant growth-promoting traits and their potential effect on tomato (*Lycopersicon esculentum*) seedlings. **Arabian Journal for Science and Engineering**. 45 (6): 4579-4587.
- 14) Jinal HN, Sakthivel K, **Amaresan N\***. 2020. Characterization of antagonistic *Bacillus paralicheniformis* (strain EAL) by LC-MS, antimicrobial peptide genes, and ISR determinants. **Antonie van Leeuwenhoek**. 113 (8): 1167-1177.
- 15) Patel P, Shah R, Krishnamurthy R, **Amaresan N\***. 2020. *Fusarium solani*: a new pathogen that causes stem rot of sugarcane in south Gujarat, India. **National Academy Science Letters**. 43 (3): 291-294.
- 16) Gopi K, Jinal HN, Prittesh P, Kartik VP, **Amaresan N\***. 2020. Effect of copper-resistant *Stenotrophomonas maltophilia* on maize (*Zea mays*) growth, physiological properties, and copper accumulation: potential for phytoremediation into biofortification. **International Journal of Phytoremediation**. 22 (6): 662-668.
- 17) Shreya D, Jinal HN, Kartik VP, **Amaresan N\***. 2020. Amelioration effect of chromium-tolerant bacteria on growth, physiological properties and chromium mobilization in chickpea (*Cicer arietinum*) under chromium stress. **Archives of Microbiology**. 202 (4): 887-894.
- 18) Jinal HN, **Amaresan N\***. 2020. Characterization of medicinal plant-associated biocontrol *Bacillus subtilis* (SSL2) by liquid chromatography–mass spectrometry and evaluation of compounds by *in silico* and *in vitro* methods. **Journal of Biomolecular Structure and Dynamics**. 38 (2): 500-510.
- 19) Jinal HN, Gopi K, Prittesh P, Kartik VP, **Amaresan N\***. 2019. Phytoextraction of iron from contaminated soils by inoculation of iron-tolerant plant growth-promoting bacteria in *Brassica juncea* L. Czern. **Environmental Science and Pollution Research**. 26 (32): 32815-32823.
- 20) **Amaresan N\***, Jayakumar V, Krishna Kumar, Thajuddin N. 2019. Biocontrol and plant growth-promoting ability of plant-associated bacteria from tomato (*Lycopersicon esculentum*) under field condition. **Microbial Pathogenesis**. 136 (2019) 103713.
- 21) Prittesh P, Rushabh S, Bhruvish J, Krishnamurthy R, **Amaresan N**. 2019. Molecular identification and biocontrol activity of sugarcane rhizosphere bacteria against red rot pathogen *Colletotrichum falcatum*. **Biotechnology Reports**. 21 (2019): e00317.
- 22) Sinha B, Lalhruaitluangi C, Sobita Devi Ph, Dilip Singh R.K, Herojit Singh A, Mamocha Singh K, **Amaresan N**. 2018. First report of *Lasiodiplodia theobromae* causing dieback in tree bean (*Perkia roxburghii*) in Manipur. **Plant Disease Research**. 33 (2): 222-224.



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- 23) Devanshi HP, Jinal HN, **Amaresan N\***. 2018. Synergistic effect of root-associated bacteria on plant growth and certain physiological parameters of banana plant (*Musa acuminata*). **Archives of Agronomy and Soil Science**. 64 (7): 1021-1031.
- 24) Priyanka S, Jinal HN, **Amaresan N\***. 2018. Diversity and antimicrobial activity of plant associated bacteria from selected medicinal plants in Kutch, Dhinodhar hill, Gujarat. **National Academy Science Letters**. 41(3): 137-139.
- 25) **Amaresan N**, Kumar K, Venkadesaperumal G, Srivathsa N.Ch. 2018. Microbial community level physiological profiles of active Mud Volcano soils in Andaman and Nicobar Islands. **National Academy Science Letters**. 41(3): 161-164.
- 26) Sanjay P, Jinal HN, **Amaresan N\***. 2017. Isolation and characterization of drought resistance bacteria for plant growth promoting properties and their effect on chilli (*Capsicum annuum*) seedling under salt stress. **Biocatalysis and Agricultural Biotechnology**. 12(2017): 85-89.
- 27) Patel KS, Jinal HN, Sejal C, **Amaresan N\***. 2017. Characterization of culturable bacteria isolated from hot springs for plant growth promoting traits and effect on tomato (*Lycopersicon esculentum*) seedling. **Comptes Rendus Biologies**. 340(2017): 244-249.
- 28) Kumar K, **Amaresan N**, Madhuri K. 2017. Alleviation of the adverse effect of salinity stress by inoculation of plant growth promoting rhizobacteria isolated from hot humid tropical climate. **Ecological Engineering**. 102(2017): 361-366.
- 29) Kumar K, Manigundan K, **Amaresan N**. 2017. Influence of salt tolerant *Trichoderma* spp on growth of maize (*Zea mays*) under different salinity conditions. **Journal of Basic Microbiology**. 57 (2): 141-150.
- 30) Pritesh P, **Amaresan N**, Rushabh S, Krishnamurthy R, Bhasker VV. 2016. Isolation and pathogenic variability of *Colletotrichum falcatum* causing red rot in sugarcane. **Journal of Plant Diseases and Protection**. 123 (6): 273-277.
- 31) Sureshbabu K, **Amaresan N**, Kumar K. (2016). Amazing multiple function properties of plant growth promoting rhizobacteria in the rhizosphere soil. **International Journal of Current Microbiology and Applied Sciences**. 5 (2): 661-683
- 32) Kartik VP, Jinal HN, **Amaresan N\***. 2016. Characterization of cadmium resistant bacteria for its potential in promoting plant growth and cadmium accumulation in *Sesbania bispinosa* root. **International Journal of Phytoremediation**. 18 (11): 1061-1066.
- 33) **Amaresan N**, Kumar K, Madhuri K, Usharani KG. 2016. Isolation and characterization of salt tolerant plant growth promoting rhizobacteria from plants grown in *Tsunami* affected regions of Andaman and Nicobar Islands. **Geomicrobiology Journal**. 33 (10): 942-947.



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- 34) Patel K, **Amaresan N.** (2014). Antimicrobials compounds from extreme environment rhizosphere organisms for plant growth. *International Journal of Current Microbiology and Applied Sciences*. 3 (7): 651-664.
- 35) **Amaresan N**, Kumar K, Sureshababu K, Madhuri K. 2014. Plant growth-promoting potential of bacteria isolated from active volcano sites of Barren Island, India. *Letters in Applied Microbiology*. 58 (2): 130-137.
- 36) Venkadesaperumal G, **Amaresan N**, Krishna Kumar. 2014. Plant growth promoting capability and genetic diversity of bacteria isolated from mud volcano and lime cave of Andaman and Nicobar Islands. *Brazilian Journal of Microbiology*. 45 (4): 1271-1281.
- 37) **Amaresan N**, Jayakumar V, Thajuddin N. 2014. Isolation and characterization of endophytic bacteria associated with chilli (*Capsicum annuum*) grown in coastal agricultural ecosystem. *Indian Journal of Biotechnology*. 13 (2): 247-255.
- 38) **Amaresan, N**, Jayakumar V, Kumar K, Thajuddin N. 2012. Isolation and characterization of plant growth promoting endophytic bacteria and their effect on tomato (*Lycopersicon esculentum*) and chilli (*Capsicum annuum*) seedling growth. *Annals of Microbiology*. 62 (2): 805-810.
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## Presentations

### Invited talks

1. Delivered a lecture on "**The planet of the microorganisms**" in the Intensive crash workshop for cracking IIT-JAM, JNU-CEEB entrance exams of Phase II, organized by C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, on 21.01.2019.
2. Delivered a lecture on "**Funding opportunities for research**" in the 1<sup>st</sup> lecture series cum expert session on research, organized by Uka Tarsadia University, Bardoli, on 27.07.2019.
3. Delivered a lecture on "**Application of Biolog for fungal identification**" in the NAHEP-CAAST funded short training on Genomics assisted molecular systematics of fungi, organized by Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, New Delhi, on 13.09.2019.
4. Delivered a lecture on "**Methods to study microbial diversity**" in the Gujarat Biotechnology Mission (GSBTM), funded two days hands-on workshop on Understanding the basic molecular biology tools and applications, organized by C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, on 28.11.2019.
5. Delivered a lecture on "**Microbial World**" in the Intensive crash workshop for cracking IIT-JAM, JNU-CEEB entrance exams, organized by C.G. Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, on 06.01.2020.
6. Delivered a webinar lecture on "**Problem identification for research**" in Webinar on Research and Development organized by Uka Tarsadia University, Bardoli, on 16.05.2020.
7. Delivered a webinar lecture on "**Microbial mediated mitigation of environmental stress in plants**" in International conference on plants & environment (virtual mode) organized by Department of Botany, Girraj Government College (A) in collaboration with Council for Green Revolution,





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Hyderabad & Department of Botany, Telangana University, Nizamabad, on 08.02.2021.

### Any other details

- Seminar/conference attended : 10
- Paper presentations : 31
- 16S rRNA gene sequences deposited : 365
- ITS rRNA gene sequences deposited : 183
- 18S rRNA gene sequences deposited : 23
- Bacterial cultures deposited : 116
- Fungal cultures deposited : 47
- Popular article : 02

Date: 25<sup>th</sup> September, 2021

Place: Tarsadi (Bardoli)



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