Curriculum Vitae

Ramesh Kothari, Ph.D. (Microbiology)
Professor (Direct) and Head of the Department of Biosciences
Dean, Faculty of Life Sciences
Coordinator (Institute of Biotechnology)
Saurashtra University, Rajkot-360005, Gujarat-India



Personal profile

- **Name:** Ramesh K. Kothari
- **Birth date:** January 10, 1971
- **Marital status:** Married
- **Designation** Professor (Direct) & Head
- **Institution:** UGC-CAS Department of Biosciences, Saurashtra University, Rajkot-5, Gujarat (INDIA)
- **Contact: Phone** +91-281 2561673, **Mobile**:+91-9428598941
  E-mail: kothari1971@gmail.com (Personal); rkkothari@sauuni.ac.in (Institutional)
  Website : www.rkkothari.in (Personal) ; www.saurashtrauniversity.ac.in (Institutional)

Education

- **Post-Doctoral Research**: *University* of Medicine & Dentistry of New Jersey (UMDNJ-Now Rutgers University), Newark, USA (2012)
- **Ph.D.** (Microbiology), Saurashtra University, Rajkot, INDIA (2003)
- **M.Sc.** (Microbiology), Saurashtra University, Rajkot, INDIA (1996)
- **B. Sc.** (Microbiology), Saurashtra University, Rajkot, INDIA (1994)
- **CES** (Environmental science), IGNOU, New Delhi, INDIA (2004)
- **CDM** (Disaster Management), IGNOU, New Delhi, INDIA (2004)
- **IPR** (Certificate course on Comprehensive Online Intellectual Property Rights (online-2020)
- Certificate course on Lessons from Ebola: Preventing the Next Pandemic online learning initiative of Harvard University (online-2020)

Professional

Teaching and Research Experience: 28 Yrs.

- Professor (Direct) and Head: January 10, 2023 – till date (Department of Biosciences, Saurashtra University, Rajkot)
- Professor (Direct): June 2014 – January 10, 2023 (Department of Biosciences, Saurashtra University, Rajkot)
- Senior Assistant Professor & Head: June 2009 - June 2014 (Christ College, Rajkot)
- Visiting researcher: July 2012 - November 2012 (UMDNJ, now Rutgers University, Newark, USA)
- Senior Lecturer & Head: June 2004 - June 2009 (Christ College, Rajkot)
- Lecturer: April 2000 - June 2004 (Christ College, Rajkot)
- Lecturer (Ad-hoc): June 1996 – April 2000 (Sri M & N Virani Science College, Rajkot

Research

Research area: Environmental Microbiology, Probiotics, Agricultural Microbiology

Research Publications		
International	**National**	**Cumulative impact factor (IF)**
78	**01**	**200+**

Citations, Impact factor, h-index, and i-10 index (as of 19.09.2026)								
Citations	all	Since 2021	h-index	all	Since 2021	i-10 index	all	Since 2021
	1476	**831**		**20**	**15**		**35**	**24**

Research Guidance						
Post-Doctoral		**Doctoral**		**M.Phil.**	**M.Sc. Dissertation**	
Completed	Pursuing	Completed	Pursuing	Completed	Completed	Pursuing
01	**-**	**18**	**06**	**08**	**58**	**08**

Research Projects (Applied, Ongoing and Completed)

Applied (Proposal submitted):

Project type	Title	Funding Agency
Major	Sea Cucumber as Reservoirs of Agro-Industrial Microbial Resources: Bioprospecting the Gut Microbiota along the Gujarat Coast **(Co-PI)**	GSBTM, Government of Gujarat (Presented-Awaiting Decision)
Major	Exploring Culturable and Non-Culturable Endophytic Bacterial Diversity in Groundnut Root Nodules from Saurashtra Region to Promote Sustainable Agriculture **(PI)**	GSBTM, Government of Gujarat (Presented-Presented-Awaiting Decision)
Major	Biological Control Potential of PGPR-Derived Metabolites **(PI)**	Knowledge Consortium of Gujarat (KCG), Government of Gujarat Proposal Submitted – Awaiting Further Processing
Major	Crop to pack: Circular Valorisation of Agri Food Residues for Food Quality, safety and self-life extension **(Co-PI)**	BRICS-2026-2013
Major	Food: Digital and precision agriculture for sustainable Agriculture **(Co-PI)**	BRICS-2026

Ongoing

Project type	Title	Funding Agency
Major	Spatiotemporal Exploration of Methane Emissions and Associated Microbial Dynamics in Western Indian Coastal Ecosystems **(Co-PI)**	Climate Change Department Government of Gujarat (In progress)
Major	Methanotrophs: A possible solution for mitigating climate change and wastewater pollution **(Co-PI)**	Climate Change Department Government of Gujarat (In progress)
Major	Development of Carbon Dioxide Sequestering and Methane Reducer and Plant Growth Promoting Bioinoculum for Sustainable Agriculture Practice **(PI)**	Climate Change Department Government of Gujarat (In progress)

Completed:

Project type	Title	Funding Agency
Major	Microbiome Study of Healthy and Infected Phyllosphere of Vegetable Crop (Under D.S. Kothari Postdoctoral Fellowship of Dr. Ravindra Pal Singh) **(Co-PI)**	UGC, Govt. of India
Major	Air monitoring to build a Basic Database for Microflora in and Around Rajkot, Gujarat **(PI)**	DRDE, DRDO, Govt. of India
Major	Qualitative Analysis of Drinking Water Reservoirs of Rajkot City: Microbiological & Physicochemical Approach **(PI)**	IQAC, Saurashtra University, Rajkot, Gujarat, India
Minor	Production, Purification, and Characterization of Thermo-Stable/Thermo-Tolerant Extracellular Phytase from Bacterial Isolates **(PI)**	UGC, Govt. of India

Completed Projects on E-Content development

Project type	Title	Funding Agency
E-Content Development	Creation of E-Contents on Fermentation Technology **(PI)** (http://eacharya.inflibnet.ac.in/vidya-mitra/search)	NMEICT-MHRD, Gov. of India
E-Content Development	Development of E-Contents on Pharmaceutical Microbiology **(Co-PI)**	NMEICT-MHRD, Gov. of India
E-Content Development	Development of E-Contents on Biochemistry (https://epgp.inflibnet.ac.in) **(Content Developer)**	e-PG Pathashala of UGC, Govt. of India

Patents

1. **Complete Patent Application**
   - **Application No:** 202121019340
   - **Title:** A liquid formulation of *Pseudomonas putida* JR9
   - **Filing date:** April 22, 2022
   - **Publication date:** July 01, 2022

2. **Complete Patent Application**
   - **Application No: 202221057630**
   - **Title:** A novel formulation of bacterial consortium for plant growth promotion
   - **Filing date:** October 08, 2022
   - **Publication date:** April 21, 2023

3. **Complete Patent Application**
   - **Application No: 202221019422**
   - **Title:** Natural Skin Care Formulation
   - **Filing date:** March 31, 2022
   - **Publication date:** October 28, 2022

Conference: presentation (Oral &Poster)/ attended

- **International:22** (Poster presentations); **03** (paper accepted); **05** (Attended)[**Total-35**]
- **National: 70** (Poster presentations); **20**(Oral presentations), **25 (**Attended) [**Total-115**]
- **State : 01**(Poster presentations); **04 (**Attendee) [**Total-05**]
- **Professional training: 20**
- **Short-term courses – Workshops-Seminars - Symposia organized: 10**

Invited talks

1. Distinguished speaker at International Symposium (Rasayan-23) jointly organized by Department of Chemistry, Saurashtra University. Rajkot and Chirantan Rasayan Santha (CRS), July 08-10, 2026.

2. Invited Speaker at the 31st ISCB International Conference (ISCBC-2025-2026), jointly organized by the Indian Society of Chemists and Biologists (ISCB) and Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha, India, December 19-25, 2025.

3. Invited Speaker at the 30th ISCB International Conference (ISCBC-2025), jointly organized by the Indian Society of Chemists and Biologists (ISCB) and Department of Chemistry, University of Lucknow, Uttar Pradesh, India, January 27-29, 2025.

4. Invited talk and Penalist@A National Symposia for Academia, Research and Industry on Skilling Biotech Talent (SBT2.0-2026) organized by Veer Narmad South Gujarat University BT 2.0-2026) (March 16, 2026)

5. Eminent Speaker at CHEMBIO360 - Interdisciplinary Insights, organized by ISCB and BKNMU in Junagadh (October 08-09, 2025).

6. Keynote at the Six-day Atal FDP Program on Agro Tech & Food Processing at Marwadi University, Rajkot, on "Application of Nanotechnology in Food" (25.11.2024).

7. Keynote at the Six-day Atal FDP Program on Agro Tech & Food Processing at Marwadi University, Rajkot, on "Application of Nanotechnology in Food" (25.11.2024).

8. Resource person at NEP Orientation and Sensitization Program organized by UGC-MMTTC, University of Rajasthan on "Research and Development"

9. Resource person in NEP Orientation and Sensitization Programme organized by UGC-MMTTC, Gujarat University, Ahmedabad, Gujarat, on "Research and Development".

10. Keynote at the National Seminar on Innovation and Entrepreneurship in Biotechnology (NSIEB) at Guru Ghasidas Vishwavidyalaya, Bilaspur, during December 08- 09, 2023, on "Biotechnological Innovations and Entrepreneurship Opportunities: Indian and International Perspectives".

11. International Conference on Probiotics and Prebiotics organized by Magnus Group LLC in Rome, Italy, during June 19-20, 2023, on "Gut microbiota: An integral part of sustaining human health."

12. @ Innovations in Biotechnology Research for Sustainable Development: Challenges and Practices," organized by Sanjivani Arts, Commerce and Science College, in association with Microbiologists Society, India, from March 28-29, 2023, on "Probiotics and Prebiotics: Management of Gut Microflora for Better Gut Health.

13. @ International Conference on Probiotics and Prebiotics (PROBIOTICS 2022), organized by Magnus Group in Rome, Italy, from June 15 to June 16, 2022, on "Probiotics and Prebiotics: An Evolving Aspect for Better Human Health."

14. International Conference on Food Science and Nutrition organized by Scientex Conference in Vienna, Austria, during November 12-13, 2021, on "Probiotics - A Revolutionary Concept of Human Health."

Plenary talks

1. Young Researchers Conference 2022 was organized by Veer Narmad South Gujarat University, Surat, Gujarat, in collaboration with Vigyan Gurjari and RFRF (Bharatiya Siksha Mandal) on May 10-11, 2022.

2. An International Conference on Applications of Current Scientific Advancements in Life Sciences organized by Sankalchand Patel University, Visnagar, Gujarat, in collaboration with GUJCOST, Govt. of Gujarat, from February 28, 2022, to March 04, 2022.

Genome Sequenced

Virus: *Escherichia* Phage ADB-2 **(JX912252.1)**

Bacteria

- *Bacillus safensis VK (Plant Growth Promoting Rhizobacterium)*
- *Pseudomonas aeruginosa* PFK10 *(Textile Dye Degrading bacterium)*
- *Pseudomonas aeruginosa* PK6 *(Petroleum Hydrocarbon Degrading bacterium)*
- *Bacillus subtilis C3*
- *Pseudomonas putida JR16 (Plant-promoting and Pesticide Degrading bacterium)*
- *Pseudomonas stutzeri*
- *Lectiplantibacillus plantarum (A potential Probiotic bacterium)*
- *Burkholderia vietnamiensis (A lipase enzyme-producing bacterium)*

Recognitions

1. **Member,** Academic Council, Saurashtra University, Rajkot
2. **Member,** Board of Deans, Sauarshtra University, Rajkot
3. **Director,** Sri Sardar Vallabhbhai Patel chair@Saurashtra University, Rajkot (April 2025 – till date)
4. **Director-** Research and Development Cell/Research Advisory Committee/Council (August 2026- till date)
5. **Nodal officer** for Prime Minister Internship Scheme@ Saurashtra University, Rajkot (March 2025 – till date)
6. **Nodal officer-**Net Zero Portal Initiative, Ministry of Environment, Forest and Climate Change (MoEF &CC), Government of India (From June 22, 2026 -till date)
7. **Member,** Research and Recognition Committee@ Veer Narmad South Gujarat University (VNSGU), Surat (04.03.2025- till date)
8. **Coordinator,** Alumni Association of Saurashtra University (AASU) @ Saurashtra University, Rajkot (2019
9. **Nodal officer** for NEP2020 implementation @ Saurashtra University, Rajkot (February 2022 – till date)
10. **Coordinator,** Alumni Association of Saurashtra University (AASU) @ Saurashtra University, Rajkot (2019 - till date)

11. **Coordinator,** Institution's Innovation Council (IIC) @ Saurashtra University, Rajkot (January 2022 – till date)
12. **Chairman,** Institutional Student Grievance Redressal Committee (ISGRC) @ Saurashtra University, Rajkot (February 2022 – till date)
13. **Member,** Institutional Development Plan (IDP) of Saurashtra University, Rajkot (October 2022- till date)
14. **Nodal officer,** Grievance Redressal for Science Faculty, GCAS Admission Cell, Saurashtra University, Rajkot (2024)
15. **Coordinator (Science Faculty),** GCAS Admission Cell, Saurashtra University, Rajkot (2024)
16. **Member,** Technical Committee for Climate change projects, Climate change department, Government of Gujarat
17. **Member Secretary,** Institutional Biosafety Committee (IBSC), Department of Biosciences, Saurashtra University, Rajkot, Gujarat
18. **Member,** Institutional Biosafety Committee (IBSC) @ Department of Biotechnology, Junagadh Agricultural University, Junagadh, Gujarat
19. **Academic counselor,** Indira Gandhi National Open University (IGNOU), New Delhi
20. **Member,** Project Review Committee, National Science Center, Poland
21. **Member,** Project Review Committee, National Fund for Scientific and Technological Research (FONDECYT), Government of Chile.
22. **Member,** Board of Studies of Life Sciences @BKNMU, Junagadh
23. **Member,** Science Faculty @BKNMU, Junagadh
24. **Member,** Board of Studies for Life Sciences @ IITE, Gandhinagar
25. **Member,** Board of Studies of Microbiology @Darshan University, Rajkot
26. **Member,** Academic Planning Board @ Baba Saheb Ambedkar Open University (BAOU), Ahmedabad
27. **Ph.D. Guide** in Microbiology @Saurashtra University, Rajkot, Gujarat
28. **Editorial Board Member,** Journal of New Science Biotechnology, USA
29. **Editorial Board Member,** Aperito Journal of Bacteriology, Virology and Parasitology, USA
30. **Editorial Board Member,** Journal of Environment and Social Sciences, India
31. **Editorial Board Member,** Annals of Advanced Biomedical Sciences (AABSc) ISSN: 2641-9459.
32. **Editorial Board Member,** Cloning & Transgenesis
33. Peer reviewer for **3Biotechnology** (Springer)
34. Peer reviewer for Physiology and Molecular Biology of Plants (Springer)
35. Peer reviewer for **Chemical and Biological Technologies in Agriculture** (Springer Nature)
36. Peer reviewer for **Current Microbiology**
37. Peer reviewer for **Bioresources Technology** (Elsevier)
38. Peer reviewer for **BMC Research Notes** (Springer Nature)
39. Peer reviewer for **BMC Supplements** (Springer Nature)
40. Peer reviewer for **British Microbiology Research Journal** (Science Domain International)
41. Peer reviewer for **British Biotechnology Journal**
42. Peer reviewer for **Defense Science Journal** (DRDO)

43. Peer reviewer for **Frontiers in Genetics**
44. Peer reviewer for **Frontiers in Microbiology**
45. Peer reviewer for **Frontiers in Veterinary Science**
46. Peer reviewer for **Journal of Taibah University for Science**
47. Peer reviewer for **Progress in Applied Microbiology** (Whioce publication)
48. Peer reviewer for **Journal of Biological Science** (Science Alert publication)
49. Peer reviewer for **Water Research** (Elsevier)
50. Peer reviewer for **Molecular Biotechnology**)
51. Peer reviewer for **PeerJ** (Elsevier)
52. Peer reviewer for Archives of Microbiology **(AOMI)**
53. Peer reviewer for Time Journal of Biological Sciences and Technology
54. **Member of Interview Committee Panel** for Microbiology, Biotechnology and Bioinformatics@Saurashtra University, Rajkot, Gujarat, India
55. **Member**, RDC panel for Ph.D. @R.K. University, Rajkot
56. **Member**, Board of Biotechnology, Saurashtra University, Rajkot
57. **Member**, Board of Bioinformatics, Saurashtra University, Rajkot
58. **Member**, Board of Microbiology, Saurashtra University, Rajkot
59. **Member & other than the chairman**, Board of Microbiology, Saurashtra University, Rajkot (2011-2014)
60. **Member**, Ad-hoc Board of Studies for M.Phil, Natural Resource Management, Saurashtra University, Rajkot
61. **Member**, Ad-hoc Board of Studies, Wildlife Institute of India (WII), Dehradun

Awards & Grants

2026: CRS Silver Medal Award
For notable contribution to research in the field of Biological and Chemical Science. July 08, 2026.

2021: Recipient of the Bill & Melinda Gates Foundation Travel Award for Scientists from Low- and Lower-Middle-Income Countries (2021), awarded to participate in the World Microbe Forum (June 20–24, 2021), a joint international virtual conference of ASM Microbe 2021 and FEMS 2021.

2019: International Travel Award

Sfam international travel Grant to attend an international conference organized by the Federation of European Microbiological Societies (FEMS-2019) held in Glasgow, Scotland, United Kingdom, during July 07-11, 2019

2017: Award

"Best Educationist Award" and a **"Certificate of Education Excellence."** International Institute of Education & Management, New Delhi, June 03, 2017.

2015: DRDE Research Grant

A major research project on "Air monitoring to build a Basic Database for Microflora in and Around Rajkot, Gujarat" was approved in 2015 by the Defence Research and

Development Establishment (DRDE), an Indian defense laboratory under the Defence Research and Development Organisation (DRDO) of the Government of India.

2015: UGC-ePG Pathshala Research Grant

We are creating an e-content for postgraduate students on a Biochemistry course, namely Metabolism of carbohydrates. A total of 30 modules will be developed in the form of e-text, MCQs, and Presentations

2015: International Travel Award

DST-SERB international travel grant to attend an international conference organized by the Federation of European Microbiological Societies (FEMS-2015) held in Maastricht, The Netherlands, June 07-11, 2015.
Centre for International Cooperation in Science (CICS), INSA-CSIR-DAE/BRNS international travel fellowship to attend an international conference organized by the Federation of European Microbiological Societies (FEMS-2015) held at Maastricht, The Netherlands, from June 07 to 11, 2015.

2014: MHRD Research Grant

Completed two major academic research projects funded by the Ministry of Human Resource Development (MHRD), Government of India, under the National Mission on Education through Information and Communication Technology (NMEICT). These projects focused on (i) creating E-Contents on Fermentation Technology and (ii) developing E-Contents on Pharmaceutical Microbiology. In total, 70 theory modules and 30 practical modules have been developed for undergraduate college students.

2011: UGC Research Grant

The University Grants Commission (UGC), funded by the Government of India, supported the project on "Production, Purification, and Characterization of Thermo Stable/Thermo Tolerant Extracellular Phytase from Bacterial Isolates."

Administrative experience

- **Head**, Department of Biosciences, Saurashtra University, Rajkot-5, Gujarat (INDIA) (10.01.2023 onwards)
- **Assessor**, National Assessment and Accreditation Council (NAAC), UGC, Govt of India
- **Coordinator** of Institute of Biotechnology, Department of Biosciences, Saurashtra University, Rajkot (2017 – till date)
- **Coordinator** of National Education Policy (NEP2020) implementation, Saurashtra University, Rajkot
- **Director** of Research and Development Cell, Saurashtra University, Rajkot (As directed by UGC, Govt of India)
- **Coordinator** of the National Innovation and Startup Policy (NISP) at Saurashtra University Rajkot, as directed by the Ministry of Education's Innovation Cell, Govt of India.

- Coordinator of Research for Resurgence Foundation (RFRF), Nagpur), Saurashtra University, Rajkot
- **Chairman**, Institutional Student Grievance Redressal Committee, Saurashtra University, Rajkot (As directed by UGC, Govt of India)
- **Coordinator** of Innovation Activity in IIC council of Saurashtra University, Rajkot
- **Member** of Committee for Ph.D. Entrance Test, Saurashtra University, Rajkot (2019, 2020, 2021, 2022 and 2023)
- **Member** of Committee for Gau Krishi Vidya Centre, Saurashtra University, Rajkot (March 2023-till date)
- **Vice Chancellor Nominee**, Centre of Excellence, NFDD, Saurashtra University, Rajkot
- **Member** of IQAC, Saurashtra University, Rajkot (From 2022- till date)
- **Member** of IQAC, Babasaheb Ambedkar Open University, Ahmedabad (2017-2019)
- **Member** of IQAC, Christ Institute, Rajkot (2004 2014)
- **Member** of a core team of IQAC during NAAC peer team visit at Saurashtra University, Rajkot (2014)
- **Head** of Department of Microbiology, Christ Institute, Rajkot (2004-2014)
- **An officer on Special Duty**, Office of the Vice-Chancellor, Saurashtra University, Rajkot (2012-2014)

Membership: Professional and social organizations

- **Member**, Technical Committee for Climate Change Projects, Gujarat
- **Membe**r, Society for Microbiology, UK
- **Member**, American Society for Microbiologists (ASM), USA
- **Senior Member**, Institute of Research Engineers & Doctors (IRED), USA
- **Vice-President:** Global Society for Sustainable Solutions (GSSS)
- **Founder Member**, Swedish and South Asian Network (SASNET) on Fermented Food
- **Life Member**, Association of Fungal Biologists (AFB)
- **Life Member**, Microbiologists Society of India (MSI) (MS/LM/634)
- **Life Member**, Association of Microbiologists of India (AMI)
- **Life Member**, Biotechnological Research Society of India (BRSI)
- **Life Member**, Society for Science and Environment (SSE)
- **Life Member**, Forum on Higher Education (HEF), Mumbai
- **Life member**, Indian Society of Cell Biology (ISCB)
- **Member**, DAC, Rajkot, Ministry of Non-Conv. Energy Sources, Govt. of India
- **State Coordinator-** Microbiologists Society, India (2025-2026)
- **Life Member**: Association of Fungal Biologists (LM25027)
- **Life Member**: Chirantan Rasayan Santha

Countries visited for academic and research pursuits.

- USA, United Kingdom, The Netherlands, Switzerland, Australia, Japan, France, Belgium, Germany,

Book/Book chapter/Article published

Books (4)

1. Ravindra Pal Singh, **Ramesh Kothari,** Prakash G. Koringa (2017). **Understanding Host-Microbiome Interactions - An Omics Approach"** with Springer (Springer India)

2. **R. K. Kothari** (2014) **Microbiology: An Overview** (McGraw-Hill Education (India) Private Ltd) **ISBN:9781308078380**

3. **R. K. Kothari**(2014) **Food, Fitness and Blood Pressure: Key Factors for a Healthy Life** (McGraw-Hill Education (India) Private Ltd) **ISBN: 9781308097442**

4. **R. K. Kothari**(2005) Degradation Biotechnology (Published by Discovery Publishing House, New Delhi-110002) **ISBN: 81-7141-986-0**

Book chapters (27)

1. 2026: Ramesh Kothari, Mruganxi Sharma, Maitry Gheewala and Manojkumar Godhaniya. Cheminformatics for Herbal Drug Discovery: Application of Cheminformatics Tools for Structure Elucidation, Virtual Screening, Dereplication and Network Pharmacology. Computational Herbal Drug Discovery: Data Standards Computational Workflows and Translational Pathway (Chapter is Accepted). Taylor & Francis group. (Accepted)

2. 2026: Nishtha R. Vaghel, Manoj D. Godhaniya, Vaishali R. Majithiya, Ramesh K. Kothari, Satya P. Singh, Sangeeta D. Gohel. Marine Microbes-Based Technology Transfer IN Entrepreneurship in Marine Microbiology: Innovations, Opportunities and Future Prospects. CRC Press. (Under review)

3. 2026: *Ashvin D. Dumadiya, Vishal L. Handa, BRM Vyas, and Ramesh K. Kothari)*. Dynamics and Physiological Significance. The Microbiome (Vol. 1-6). ISBN 9781041065135. CRC Press. Taylor & Francis group.

4. 2026: *Kinjal J. Parmar, Charmy R. Kothari and Ramesh K. Kothari.* The Living Pantry: Understanding the Bacterial Ecosystems in Fermented Foods. The Microbiome (Vol. 1-6). ISBN 9781041069874. CRC Press. Taylor & Francis group.

5. 2026: *Bhavdeep Padsala, Krunal Hirpara, Charmy R. Kothari and Ramesh K. Kothari.*

Microbiome Engineering: Strategies for Enhancing Plant Health and Productivity Under Salinity and Drought Conditions. The Microbiome (Vol. 1-6). ISBN 9781041072485. CRC Press. Taylor & Francis group.

6. 2026: *Dhruvi K. Suvagiya and Ramesh K. Kothari.* Trichoderma: A Powerful Ally in Sustainable Biocontrol Agents. The Microbiome (Vol. 1-6). ISBN 9781041072485. CRC Press. Taylor & Francis group.

7. 2026: *Dhruvi K. Suvagiya, Bhavdeep Padsala, and Ramesh K. Kothari.* Beyond the Rhizosphere: Understanding Endophytic Communities in Environmental Microbiomes. The Microbiome (Vol. 1-6). ISBN 9781041069362CRC Press. Taylor & Francis group.

8. 2026: Hina H. Radadiya, Rajesh K. Patel, Charmy R. Kothari, and Ramesh K. Kothari. The Secret Life of Ecosystems: Uncovering the Roles of Microbes in Shaping Environmental Processes. ISBN 9781041069362. CRC Press. Taylor & Francis group.

9. 2025: Handa, V. L., Dumadiya, A., Kothari, R. K., & Vyas, BRM., (Year). Current status of upstream and downstream processing in the bioprocess sector and its role in the production of value-added products. **In** *Innovation & Future Trends in Bioprocess Technology*. (Edited by Komal Agrawal & Pradeep Verma), NIPA Publications, India. *7*:13-38. Print ISBN: 978-93-72190-03-8; ebook ISBN: 978-93-72193-62-6

10. 2025: Ramavat, H., Dobariya, A., **Kothari, R**. and Singh, S.P.: Potential of domestic waste for the growth and production of enzymes in halophiles. In New Horizons in Halophilic Microbes and Their Enzymes (CRC Press/Taylor and Francis group).**DOI**: https://doi.org/10.1201/9781003466468-8

11. 2025: Hasti Ramavat, Hitarth B. Bhatt, Ramesh Kothari, and Satya P. Singh: Recombinant Enzymes from Marine Actinomycetes: Genome mining, Cloning, Expression Systems, and Biotechnological Significance. **In** Marine Actinomycetes Diversity and Biotechnological Applications (Springer) DOI: https://doi.org/10.1007/978-981-95-9849-6

12. 2025: Ramavat, H., Dobariya, A., **Kothari, R**. and Singh, S.P.: Heterologous Expression systems for producing commercially important enzymes from Halophiles. **In** New Horizons in Halophilic Microbes and their Enzymes. (CRC Press/Taylor & Francis Group.) DOI: https://doi.org/10.1201/9781003466468-5.

13. 2024: Krunal Hirpara, Bhavdeep Padsala, and **Ramesh Kothari**: Introduction of soil microbiomes and their role in agriculture. In Microbial Dynamics and Molecular Innovations in Agro-Biotechnology (under review).

14. 2024: Bhavdeep Padsala, Krunal Hirpara, and Ramesh Kothari: Rhizosphere Dynamics: Interactions Between Roots and Microbes **In** Microbial Dynamics and Molecular Innovations in Agro-Biotechnology (Under review).

15. 2024: Vishal L. Handa, Bhoomi N. Patel, Arpita Bhattacharya, **Ramesh Kothari,** Ghanshyam U. Kavathiya, BRM Vyas: A study of antibiotic resistance patterns of clinical bacterial pathogens isolated from patients in a tertiary care hospital. In System Biology and Antimicrobial Drug Resistance. (Edited by Vijay Soni and Saurabh Mishra) (frontiers.org) pp: 170-180. ISSN 1664-8714 ISBN 978-2-8325-5427-2 DOI 10.3389/978-2-8325-5427-2

16. 2024: Ankita J. Dobariya, Hina N. Radadiya, Gira P. Mankad, Dobariya, H., **Ramesh K. Kothari** , and Satya P. Singh. Protocols for the Screening, Extraction, and Purification of the Hydrolytic Enzymes from Marine Actinomycetes. **In** "Protocols of Actinomycetes: Microbiology to Gene editing, CRC Press/Taylor & Francis. Ed. L. Karthik, Chapter 9, P. 62, CRC Press/Taylor & Francis. (eBook ISBN9781003398400. https://doi.org/10.1201/9781003398400)

17. **2024: Vishal L. Handa**, Bhoomi N Patel, Arpita Bhattacharya, Ramesh Kothari, Ghanshyam U Kavathiya, BRM Vyas: A study of antibiotic resistance pattern of clinical bacterial pathogens isolated from patients in a tertiary care hospital **In** System Biology and Antimicrobial Drug Resistance. (Edited by Vijay Soni and Saurabh Mishra) (frontiers.org) Pp: 170-180. ISSN 1664-8714 ISBN 978-2-8325-5427-2 DOI 10.3389/978-2-8325-5427-2

18. 2024: Hina Radadiya, Rajesh Patel, and **Ramesh Kothari.**: The use of microbial enzymes in the food industry: A global perspective (Volume I, Chapter 10). In Microbial Enzymes: Production, Purification, and Applications (Volumes I & II). (John Wiley & Sons P&T). Pp. 207-224. https://online.vitalsource.com/reader/books/9783527844364)

19. 2021: Amishi Bhatt, Dhyey Kothari, Charmy Kothari, and **Ramesh Kothari**, *Probiotic: An Uprising Human Health Concept.* **In** ***Prebiotics and Probiotics - From Food to Health*** (DOI: http://dx.doi.org/10.5772/intechopen.98828) *IntechOpen, UK 202.*
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Ramesh Kothari