

Resume

Ramesh Kothari, Ph.D. (Microbiology)
Professor (Direct)
Head, Department of Biosciences
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)
69	01	150+

Citations, Impact factor, h-index, and i-10 index (as of 11.06.2026)								
Citations	all	Since 2021	h-index	all	Since 2021	i-10 index	all	Since 2021
	1436	789		20	14		35	21

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

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)
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

▪ **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. Eminent Speaker at CHEMBIO360 - Interdisciplinary Insights, organized by ISCB and BKNMU in Junagadh (October 08-09, 2025).
2. 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).
3. Resource person at NEP Orientation and Sensitization Program organized by UGC-MMTC, University of Rajasthan on "Research and Development"
4. Resource person in NEP Orientation and Sensitization Programme organized by UGC-MMTC, Gujarat University, Ahmedabad, Gujarat, on "Research and Development".
5. 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".
6. 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."
7. @ 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.
8. @ 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."
9. 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

- **Director**, Sri Sardar Vallabhbhai Patel chair @ Saurashtra University, Rajkot (April 2025 – till date)
- **Nodal officer** for Prime Minister Internship Scheme @ Saurashtra University, Rajkot (March 2025 – till date)
- **Member**, Research and Recognition Committee @ Veer Narmad South Gujarat University (VNSGU), Surat (04.03.2025- till date)
- **Coordinator**, Alumni Association of Saurashtra University (AASU) @ Saurashtra University, Rajkot (2019)
- **Nodal officer** for NEP2020 implementation @ Saurashtra University, Rajkot (February 2022 – till date)
- **Coordinator**, Alumni Association of Saurashtra University (AASU) @ Saurashtra University, Rajkot (2019 - till date)
- **Coordinator**, Institution's Innovation Council (IIC) @ Saurashtra University, Rajkot (January 2022 – till date)
- **Chairman**, Institutional Student Grievance Redressal Committee (ISGRC) @ Saurashtra University, Rajkot (February 2022 – till date)
- **Member**, Institutional Development Plan (IDP) of Saurashtra University, Rajkot (October 2022- till date)
- **Nodal officer**, Grievance Redressal for Science Faculty, GCAS admission Cell, Saurashtra University, Rajkot (2024)
- **Coordinator (Science Faculty)**, GCAS admission Cell, Saurashtra University, Rajkot (2024)
- **Member**, Technical Committee for Climate change projects, Climate change department, Government of Gujarat
- **Member Secretary**, Institutional Biosafety Committee (IBSC), Department of Biosciences, Saurashtra University, Rajkot, Gujarat
- **Member**, Institutional Biosafety Committee (IBSC) @ Department of Biotechnology, Junagadh Agricultural University, Junagadh, Gujarat
- **Academic counsellor**, Indira Gandhi National Open University (IGNOU), New Delhi
- **Member**, Project Review Committee, National Science Centre, Poland

- **Member**, Project Review Committee, National Fund for Scientific and Technological Research (FONDECYT), Government of Chile.
- **Member**, Board of Studies of Life Sciences @BKNMU, Junagadh
- **Member**, Science Faculty @BKNMU, Junagadh
- **Member**, Board of Studies for Life Sciences @ IITE, Gandhinagar
- **Member**, Board of Studies of Microbiology @Darshan University, Rajkot
- **Member**, Academic Planning Board @ Baba Saheb Ambedkar Open University (BAOU), Ahmedabad
- **Ph.D. Guide** in Microbiology @Saurashtra University, Rajkot, Gujarat
- **Editorial Board Member**, Journal of New Science Biotechnology, USA
- **Editorial Board Member**, Aperiato Journal of Bacteriology, Virology and Parasitology, USA
- **Editorial Board Member**, Journal of Environment and Social Sciences, India
- **Editorial Board Member**, Annals of Advanced Biomedical Sciences (AABSc) ISSN: 2641-9459.
- **Editorial Board Member** Cloning & Transgenesis
- Peer reviewer for **3Biotechnology** (Springer)
- Peer reviewer for Physiology and Molecular Biology of Plants (Springer)
- Peer reviewer for **Chemical and Biological Technologies in Agriculture** (Springer Nature)
- Peer reviewer for **Current Microbiology**
- Peer reviewer for **Bioresources Technology** (Elsevier)
- Peer reviewer for **BMC Research Notes** (Springer Nature)
- Peer reviewer for **BMC Supplements** (Springer Nature)
- Peer reviewer for **British Microbiology Research Journal** (Science Domain International)
- Peer reviewer for **British Biotechnology Journal**
- Peer reviewer for **Defense Science Journal** (DRDO)
- Peer reviewer for **Frontiers in Genetics**
- Peer reviewer for **Frontiers in Microbiology**
- Peer reviewer for **Frontiers in Veterinary Science**
- Peer reviewer for **Journal of Taibah University for Science**
- Peer reviewer for **Progress in Applied Microbiology** (Whioce publication)
- Peer reviewer for **Journal of Biological Science** (Science Alert publication)
- Peer reviewer for **Water Research** (Elsevier)
- Peer reviewer for **Molecular Biotechnology**
- Peer reviewer for **PeerJ** (Elsevier)
- Peer reviewer for Archives of Microbiology (**AOMI**)
- peer reviewer for Time Journal of Biological Sciences and Technology
- **Member of Interview Committee Panel** for Microbiology, Biotechnology and Bioinformatics@Saurashtra University, Rajkot, Gujarat, India
- **Member**, RDC panel for Ph.D. @R.K. University, Rajkot
- **Member**, Board of Biotechnology, Saurashtra University, Rajkot
- **Member**, Board of Bioinformatics, Saurashtra University, Rajkot
- **Member**, Board of Microbiology, Saurashtra University, Rajkot

- **Member & other than the chairman**, Board of Microbiology, Saurashtra University, Rajkot (2011-2014)
- **Member**, Ad-hoc Board of Studies for M.Phil, Natural Resource Management, Saurashtra University, Rajkot
- **Member**, Ad-hoc Board of Studies, Wild Life Institute of India (WII), Dehradun

Awards & Grants

2021: Bill & Melinda Gates Foundation Travel Award for Scientists from low and low-middle-income countries

To attend World Microbe Forum, June 20-24, 2021, a joint digital between ASM Microbe 2021 and FEMS2021

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
- **Member**, Society for Microbiology, UK
- **Member**, American Society for Microbiologists (ASM), USA
- **Senior Member**, Institute of Research Engineers & Doctors (IREDD), 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)

Countries visited for academic and research pursuits.

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

Research collaborations

- Department of Biochemistry and Molecular Biology (**Laboratory of Prof. Virendra Pandey**)
University of Medicine & Dentistry of New Jersey (UMDNJ), USA
- Department of Chemistry (**Laboratory of Prof. S. K. Khare**)
Indian Institute Technology (IIT), Delhi, Hauz Khas, New Delhi 110016
- Defence Research & Development Establishment (DRDE) (**Laboratory of Dr. A. K. Goel**)
Defence Research & Development Organisation (DRDO), Govt. Of India, Ministry of Defence, Jhansi Road, Gwalior - 474002
- Department of Animal Biotechnology (**Laboratory of Prof. C.G. Joshi**)
College of Veterinary Science and Animal Husbandry, Anand Agricultural University, Anand-38 8001, Gujarat (India)
- Department of Biotechnology (**Laboratory of Prof. B. J. Golakiya**)

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 (23)

1. 2026: Ashvin D. Dumadiya, Vishal L. Handa, BRM Vyas, and Ramesh K. Kothari). **Dynamics and Physiological Significance**. The Microbiome (Vol. 1-6). CRC Press. Taylor & Francis group. (Under Review)
2. 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). CRC Press. Taylor & Francis group. (Under Review)
3. 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). CRC Press. Taylor & Francis group. (Under Review)
4. 2026: Dhruvi K. Suvagiya and Ramesh K. Kothari. **Trichoderma: A Powerful Ally in Sustainable Biocontrol Agents**. The Microbiome (Vol. 1-6). CRC Press. Taylor & Francis group. (Under Review)
5. 2026: Dhruvi K. Suvagiya, Bhavdeep Padsala, and Ramesh K. Kothari. **Beyond the Rhizosphere: Understanding Endophytic Communities in Environmental Microbiomes**. The Microbiome (Vol. 1-6). CRC Press. Taylor & Francis group. (Under Review)
6. 2025: Vishal L. Handa, Ashvin Dumadiya, Ramesh K. Kothari & BRM Vyas. Current Status of the Upstream and Downstream Processing in Bioprocess Sector and its Role in Production of Value-Added Products, in Innovation & Future Trends in Bioprocess Technology, Prof. Pradeep Verma & Dr. Komal Agrawal (Edi.), Professional Prints New York, USA (In Press).

7. 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).
8. 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).
9. 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
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: Rising Star of Biotechnology (Springer) (Under review)
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: 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>)
14. 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>)

15. 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.
16. 2017: Ravindra Pal Singh, **Ramesh Kothari**, Suhelen Egan: Exploring the Complexity of Macroalgal Bacterial Interactions Through Interkingdom Signaling System. In *Systems Biology of Marine Ecosystems* (ISBN 978-3-319-62094-7) (DOI 10.1007/978-3-319-62094-7_15) Springer.
17. **2018: Ramesh K. Kothari**, Neelam M. Nathani, Chandra Shekar Mootapally, Jalpa K. Rank, Haren B. Gosai, Bharti P. Dave, Chaitanya G. Joshi: Comprehensive exploration of the Rumen Microbial Ecosystem with advancements in Metagenomics. In **Metagenomics: Perspectives, Methods, and Applications** (Elsevier). (ISBN: 978-0-08-102268-9; DOI (10.1016/B978-0-08-102268-9.00011-2), Elsevier.
18. 2017: Pravin Dudhagara, **Ramesh Kothari**, Anjana Ghelani, Jalpa Rank, Rajesh Patel. Prospects and Progress in Extreme Biosphere Microbiome in Understanding Host-Microbiome Interactions - An Omics Approach {(ISBN 978-981-10-5049-7; ISBN 978-981-10-5050-3 (eBook))} (DOI 10.1007/978-981-10-5050-3) Springer.
19. 2017: Vishal Kothari, Charmy Kothari, Jalpa Rank, Anjali Joshi, Ravindra Pal Singh, and **Ramesh Kothari**: Metatranscriptomics Studies of the Plant Rhizosphere for Finding Biological Agents in Understanding Host-Microbiome Interactions - An Omics Approach {(ISBN 978-981-10-5049-7; ISBN 978-981-10-5050-3 (eBook))} (DOI 10.1007/978-981-10-5050-3) Springer.
20. 2017: Ravindra Pal Singh and **Ramesh Kothari**: The Omics Era and Host Microbiomes in Understanding Host-Microbiome Interactions - An Omics Approach {(ISBN 978-981-10-5049-7; ISBN 978-981-10-5050-3 (eBook))} (DOI 10.1007/978-981-10-5050-3) Springer.
21. 2017: Neelam M. Nathani, Amrutlal K. Patel, Chandra Shekar Mootapally, **Ramesh K. Kothari**, and Chaitanya G. Joshi. Advancements in Molecular Techniques and Bioinformatics for Understanding the Rumen Microbiome **In Understanding host-microbiome interactions - An Omics Approach**. {(ISBN 978-981-10-5049-7; ISBN 978-981-10-5050-3 (eBook))} (DOI 10.1007/978-981-10-5050-3) Springer.
22. 2015: K.M. Singh, M. Bagath, S.K. Chikara, C.G. Joshi: and **R.K. Kothari**: Metagenomic Approaches in Understanding the Rumen Function and Establishing the Rumen Microbial Diversity **In** (V. Sejian et al. (eds.), *Climate Change Impact on Livestock: Adaptation and Mitigation*. (ISBN. ISBN 978-81-322-2265-1) (DOI 10.1007/978-81-322-2265-1_14) Springer India.
23. **1998: R. K. Kothari**: Decolorization of some textile azo dyes by ligninolytic enzyme system of a white-rot fungus *Coriolopsis polyzona* **In Role of Microbes in the Management of Environmental Pollution** (ISBN:81-7648-223-4).

Research publications- (Total:76)

1. **2026:** Vishal L. Handa, Bhoomi N. Patel, Ramesh K. Kothari, BRM Vyas. Groundnut (*Arachis hypogaea* L.) production using beneficial bacteria *Lactiplantibacillus plantarum* AM and *Pseudomonas aeruginosa* FCC25. *Biocatalysis and Agricultural Biotechnology*. MS ID: BAB-D-26-00910, Submitted on 28-04-2026, **Under Review**.
2. **2026:** Vishal L. Handa, Niyati K. Gajera, Andrea Sciarretta, Ramesh K. Kothari, BRM Vyas. Life cycle, morphology of the preimaginal life stages, and molecular characterization of *Aegocera venulia* (Cramer, 1777) (Lepidoptera: Noctuidae). *Zoologischer Anzeiger*. MS ID: JCZ-D-25-00320, Submitted 05-10-2025, **Under Review**
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