

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.edu (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)
50	01	100+

Citations, Impact factor, h-index, and i-10 index (as of 23.08.2024)								
Citations	all	Since 2019	h-index	all	Since 2019	i-10 index	all	Since 2019
	1116	649		17	13		25	18

Research Guidance						
Post-Doctoral		Doctoral		M.Phil.	M.Sc. Dissertation	
Completed	Pursuing	Completed	Pursuing	Completed	Completed	Pursuing
01	-	18	05	08	49	05

Research Projects

Project type	Title	Funding Agency
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

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: 105**

Invited talks

- Resource person in NEP Orientation and Sensitisation Programme organised by UGC-MMTTC, University of Rajasthan on “Research and Development”
- Resource person in NEP Orientation and Sensitisation Programme organised by UGC-MMTTC, Gujarat University, Ahmedabad, Gujarat on “Research and Development”
- Keynote @ 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 Perspective**”.
- @ International conference on Probiotics and Prebiotics organized by Magnus Group LLC at Rome, Italy during June 19-20, 2023 on “**Gut microbiota: An integral part of sustaining human health**”
- @ 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**”
- @ International Conference on Probiotics and Prebiotics” (PROBIOTICS 2022) organized by Magnus Group in Rome, Italy from June 15- June 16, 2022, on “**Probiotics and Prebiotics: An Evolving Aspect for Better Human Health.**”
- @ International conference on food science and nutrition organized by Scientex conference at Vienna, Austria during November 12-November 13, 2021 on “ **Probiotics- A Revolutionary Concept of Human Health**”

Plenary talks

- @Young Researchers Conference 2022 organized by Veer Narmad South Gujarat University, Surat, Gujarat, in the association of Vigyan Gurjari and RFRF (Bharatiya Siksha Mandal) during May 10-11, 2022.
- @ An International Conference on **Applications of Current Scientific Advancement 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

- **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**, Aperito 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 **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 **Defence 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 sanctioned in 2015 by the Defence Research and Development Establishment (DRDE), an Indian defense laboratory of the Defence Research and Development Organisation (DRDO) of 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 at Maastricht, The Netherlands, June 07-11, 2015
- Centre for International Co-operation 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, during June 07-11, 2015.

2014: MHRD Research Grant

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

2011: UGC Research Grant

- Completed University Grant Commission (UGC) Government of India funded 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 National Innovation and Startup Policy (NISP) (As directed by 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, at 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 organisations

- **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 (IRED), USA
- **Founder Member**: Swedish and South Asian Network” (SASNET) on Fermented Food
- **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

Countries visited for academic and research pursuit

- USA, United Kingdom, The Netherland, 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
- Defense Research & Development Establishment (DRDE), (**Laboratory of Dr. A. K. Goel**)
Defense 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**)
Junagadh Agricultural University, Junagadh, Gujarat (India)

Books (4)

1. Ravindra Pal Singh, **Ramesh Kothari**, Prakash G. Koringa (2017). **Understanding Host-Microbiome Interactions - An Omics Approach** with the 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 (12)

1. Hina Radadiya, Rajesh Patel & **Ramesh Kothari**: The use of microbial enzymes in the food industries: A global perspective **In** Microbial Enzymes. Production, Purification and Industrial Applications. **In** Microbial Enzymes: Production, Innovations and Applications by Springer Nature (Under Review)
2. Ankita Dobariya, Hasti Ramavat, Hina Radadiya, Gira Mankad, **Ramesh K. Kothari** and Satya P. Singh: Potential of domestic waste for the growth and production of enzymes in halophiles **In** New Horizons in Halophilic Microbes and their Enzymes," by the CRC Press/Taylor & Francis Group. (Under review)
3. Hasti Ramavat, Ankita Dobariya, Gopi Koladiya, **Ramesh Kothari** and Satya P. Singh: Heterologous Expression systems for producing commercially important enzymes from Halophiles into suitable hosts **In** New Horizons in Halophilic Microbes and their Enzymes," by the CRC Press/Taylor & Francis Group. (Under review)
4. 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.
5. Ravindra Pal Singh, **Ramesh Kothari**, Suhelen Egan: *Exploring the Complexity of Macroalgal Bacterial Interactions through Interkingdom Signalling System*. **In** *Systems Biology of Marine Ecosystems* (ISBN 978-3-319-62094-7) (DOI 10.1007/978-3-319-62094-7_15) Springer 2017
6. **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-2018
7. 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 2017
8. 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 2017

9. 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 2017
10. 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 2017
11. 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 2015
12. **R. K. Kothari** (1998): Decolorization of some textile azo dyes by ligninolytic enzyme system of a white-rot fungus *Corioloropsis polysona* **In** *Role of Microbes in the Management of Environmental Pollution* (ISBN:81-7648-223-4).

Research publications- (Total: 62)

1. **2024**: Krunal Hirpara, Ankit T. Hinshu & Ramesh K. Kothari: Metagenomic evaluation of peanut rhizosphere microbiome from the farms of Saurashtra regions of Gujarat, India. <https://doi.org/10.1038/s41598-024-61343-5>
 - **Journal**: Scientific Reports (International) www.nature.com/scientificreports
 - **IF**: 4.6 **ISBN/ISSN**: 2045-2322
2. **2024**: Bhatt Amishi, Kothari Dhyey, Radadiya Hina & Kothari Ramesh: In vitro Assessment of Potential Probiotic Properties of Lactic Acid Bacteria of Indian Fermented Rice Origin". 3 (2024)100091
 - **Journal**: The Microbes
 - **ISBN/ISSN**: 2950-1946
3. **2024**: Vishal L. Handa, Bhoomi N. Patel, Ramesh K. Kothari & BRM Vyas: Biological control of fungi and pink bollworm (Lepidoptera: Saunders) by bacteria isolated from the carcass of caterpillar. (Under review)
 - **Journal**: Scientific Reports (International) www.nature.com/scientificreports
 - **IF**: 3.8 **ISBN/ISSN**: 2045-2322
4. 2024: Vishal L Handa, Niyati K Gajera, Ramesh K Kothari & BRM Vyas: Metamorphosis and potential biocontrol agents of *Aegocera venulia* (Cramer). (Under Review)
 - **Journal**: Scientific Reports (International) <https://www.nature.com/srep/>
 - **IF**: 3.8 ISSN 2045-2322
5. **2024**: Krunal Hirpara, Bhavdeep Padsala, Charmy Kothari and **Ramesh Kothari**: Biochemical characterisation of plant growth promoting bacteria and their impact on *Vigna Radiata* L. (Under review)
 - **Journal**: GAU Research Journal

- **IF:** **ISBN/ISSN:** 0250-5193
6. **2023:** 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
 - **Journal:** Frontiers in Microbiology
 - **IF:** 5.2 **ISBN/ISSN:** 1664-302X
 7. **2023:** Bhavesh D . Kevadiya, Farhana Islam, Pallavi Deol, Lubaba A . Zamana, Dina A . Mosselhy, Md Ashaduzzaman, Neha Bajwai, Nanda Kishore Routhuk, Preet Amol Singh, Shilpa Dawrem, Lalitkumar K . Voran, Sumaiya Nahid, Deepali Mathur, Mohammad Ullah Nayan, Ashish Baldi, **Ramesh Kothari**, Tapan A . Patel, Jitender Madan, Zahra Gounani, Jitender Bariwal, Kenneth S . Hettiev, Howard E . Gendelma: Delivery of gene editing therapeutics
 - **Journal:** Nanomedicine: Nanotechnology, Biology, and Medicine
 - **IF:** 6.458 **ISBN/ISSN:** 2574-2701
 8. **2023:** Solanki R, Bhatt A, Patel J and Kothari R. Evaluation of Prebiotic Utilization and Probiotic Properties of Potential Probiotic Bacteria of Food and Human Origin
 - **Journal:** Food Science and Nutritional Technology
 - **IF:** 1.822 **ISBN/ISSN:** 2574-2701
 9. **2022:** Charmy R. Kothari, Krunal R. Hirpara, Ramesh K. Kothari and B.R.M. Vyas,. Biodegradation and Detoxification of Reactive Red 250 by *Pseudomonas aeruginosa* CR-25
 - **Journal:** Journal of Bioremediation and Biodegradation
 - **IF:** -- **ISBN/ISSN:** 2156-6199
 10. **2022:** Divyarajsinh A. Jadeja, Neelam M. Nathani, Chandrashekar Mootapally & Ramesh K. Kothari. Bio-Physico Characterization of Poly-3-Hydroxybutyrate (PHB) Produced from an Organic Pollutant Utilizer *Bacillus subtilis* subsp.subtilis DJ9192 <https://doi.org/10.1007/s40011-022-01439-y>
 - **Journal:** Proc. Natl. Acad. Sci. Sect. B Biol. Sci. (India)
 - **IF:** 0.96 **ISBN/ISSN:** 0369-8211 (print) 2250-1746 (web)
 11. **2022:** Anjali U. Joshi, Ankit T. Hinsu, Ramesh K. Kothari: Evaluating the efficacy of bacterial consortium for decolorization of diazo dye mixture. **Archives of Microbiology** <https://doi.org/10.1007/s00203-022-03108-0>
 - **Journal:** Archives of Microbiology
 - **IF:** 2.552 **ISBN/ISSN:** 0302-8933
 12. 2021: Ankit T. Hinsu, Ketankumar J. Panchal, Ramesh J. Pandit, Prakash G. Koringa & Ramesh K. Kothari: Characterizing rhizosphere microbiota of peanut (*Arachis hypogaea* L.) from pre-sowing to post-harvest of crop under field conditions. <https://doi.org/10.1038/s41598-021-97071-3>
 - **Journal:** Scientific Reports (International) www.nature.com/scientificreports
 - **IF:** 4.996 **ISBN/ISSN:** 2045-2322
 13. **2021:** Ankit Hinsu, Ashvin Dumadiya, Anjali Joshi, Rohitkumar Kotadiya, Kavan Andharia, Prakash Koringa, and Ramesh Kothari: To culture or not to culture: a snapshot of culture-dependent and culture-independent bacterial diversity from peanut rhizosphere. DOI 10.7717/peerj.12035.
 - **Journal:** PeerJ (International)
 - **IF:** 3.061 **ISBN/ISSN:** 2167-8359

14. **2021:** Mayur Mahajan, Devika Manek, Nishant Vora, Ramesh K. Kothari, Chandrashekar Mootapally, Neelam M. Nathani: Fungi with high ability to crunch multiple Polycyclic Aromatic Hydrocarbons (PAHs) from the pelagic sediments of Gulfs of Gujarat. 167(2021)112293: <https://doi.org/10.1016/j.marpolbul.2021.112293>
 - **Journal:** Marine Pollution Bulletin (International)
 - **IF:** 6.49 **ISBN/ISSN:** 0025-326X

15. **2021:** Shivani M. Yagnik, Vikram H. Raval, Kothari K. Kothari and Charmy R. Kothari: Efficient Dye Decolorization by *Virgibacillus merismortui* B6 and its Impact on Seed Germination. 46 (3):135-144.
 - **Journal:** GAU Research Journal
 - **IF:** **ISBN/ISSN:** 0250-5193

16. **2021:** Shivani M. Yagnik, Vikram H. Raval, Kothari K. Kothari and Charmy R. Kothari: Recycling and Reuse of Azo Dye Polluted Water for Agriculture Through Bioremediation- A Microbial Perspective. 46 (3):117-121.
 - **Journal:** GAU Research Journal
 - **IF:** **ISBN/ISSN:** 0250-5193

17. **2020:** Anjali U. Joshi, Ankit T. Hinsu, Rohitkumar J. Kotadiya, Jalpa K. Rank, Kavan N. Andharia, and Ramesh K. Kothari: Decolorization and biodegradation of textile di-azo dye Acid Blue 113 by *Pseudomonas stutzeri* AK6. (2020).10:214 <https://doi.org/10.1007/s13205-020-02205-5>.
 - **Journal:** 3Biotech (International)
 - **IF:** 2.96 **ISBN/ISSN:** 2190-5738

18. **2020:** Kinjal Pabari, Sheetal Pithva, Charmy Kothari, Ravi Kiran Purama, Kanthi Kiran Kondepudi, Bharatkumar Rajiv Manuel Vyas, Ramesh Kothari, and Padma Ambalam. Evaluation of Probiotic Properties and Prebiotic Utilization Potential of *Weissella paramesenteroides* Isolated From Fruits. (2020) 1-13. DOI 10.1007/s12602-019-09630-w
 - **Journal:** Probiotics and Antimicrobial Proteins
 - **IF:** 5.44 **ISBN/ISSN:** 1867-1306
 -

19. **2019:** Priti Faldu, Vishal Kothari, Charmy Kothari, Jalpa Rank, Ankit Hinsu, and Ramesh Kothari. Toxicity Assessment of Biologically Degraded Product of Textile Dye Acid Red G. (2019) 4 (4):236-243 (DOI: 10.14429/dlsj.4.14972)
 - **Journal:** Defence Life Science Journal
 - **IF:** 0.34 **ISBN/ISSN:** 0011-748X

20. **2018:** Jalpa K. Rank, Neelam Mathani, Ankit T. Hinsu, Anjali U. Joshi, Mootapally Chandra Shekar, Ramesh K. Kothari. Isolation, characterization, and growth response study of Chlorpyrifos utilizing soil bacterium *Pseudomonas putida* JR16. (2018) 52(4) 2018: 355-361. <http://dx.doi.org/10.18805/IJARE.A-5035>
 - **Journal:** Indian Journal of Agricultural Research
 - **IF:** 0.369 **ISBN/ISSN:** 0367-8245

21. **2017:** Sabapathi Arularasan, Neelam M Nathani, Venmathi Maran BA, **Ramesh K Kothari**, Chandra Shekar Mootapally. Haplotype variation and phylogenetic analyses of three commercially important morphological variants of genus *Turbinella* from the southeast coast of India based on the 16S rRNA gene. (2017) 93(4):000–000. <https://doi.org/10.5343/bms.2016.1004>.
 - **Journal:** Bull Mar Sci.
 - **IF:** 1.632 **ISBN/ISSN:** 0250-4707
22. **2017:** Krupa M. Parmar, Saurabh L. Gaikwad, Prashant K. Dhakephalkar, **Ramesh Kothari** and Ravindra P. Singh: Intriguing interaction of bacteriophage-host association: An understanding in the era of omics. (2017) 8(559) | DOI: 10.3389/fmicb.2017.00559 (Review article)
 - **Journal:** **Frontiers in Microbiology**
 - **IF:** 4.235 **ISBN/ISSN:**
23. **2016:** Ramesh Kothari, Ravindra Pal Singh, and Vishal Kothari. Application of next generation sequencing technologies in revealing plant-microbe interactions. (2016) Volume 3 • Issue 1 • 1000e108
 - **Journal:** Next Generation: Sequencing & Applications
 - **IF:** 1.28 **ISBN/ISSN:** 2469-9853
24. **2016:** Khushbu Kunadia, Neelam M. Nathani, Vishal Kothari, Rohit J. Kotadia, Charmy R. Kothari, Anjali Joshi, Jalpa K. Rank, Priti R. Faldu, M. Chandra Shekar, Mit J. Viroja, Priyank A. Patel, Divyaraj C. Jadeja, Bhaskar Reddy, Ravindra Pal Singh, Prakash G. Koringa, Chaitanya G. Joshi, **Ramesh K. Kothari**. Draft Genome Sequence of Commercial Textile Dyes Decolourizing and Degrading *Bacillus subtilis* strain C3 Isolated from India. (2016) **Volume 4 • Issue 2 • e00104-16 (ASM)**
 - **Journal:** Genome Announcements
 - **ISBN/ISSN:** 21698287
25. **2015:** Neelam M Nathani, Amrutlal K Patel, Mootapally Chandra Shekar, Bhaskar Reddy, Shailesh V Shah, Pravin M Lunagaria, Ramesh K Kothari, Chaitanya Joshi. Effect of roughage on rumen microbiota composition in the efficient feed converter and sturdy Indian Jaffrabadi buffalo (*Bubalus bubalis*). (2015) 16:1116. DOI 10.1186/s12864-015-2340-4
Journal: BMC Genomics
IF: 4.56 **ISBN/ISSN:** 1471-2164
26. **2015:** Neelam M. Nathani, Srinivas M. Duggirala, Vaibhav D. Bhatt, Amrutlal K Patel, Ramesh K. Kothari, Chaitanya G. Joshi. Correlation between Genomic analyses with Metatranscriptomic study reveals various functional pathways of *Clostridium sartagoforme* AAU1, a buffalo rumen isolate. DOI: 10.1080/09712119.2015.1091346
 - **Journal:** *Journal of Applied Animal Research*
 - **IF:** 2.01 **ISBN/ISSN:** 0971-2119
27. **2015:** Khushal Kapadiya, Rohit Kotadiya, Kishor Kavadia, Ramesh Kothari, Krunal Mehariya and Ranjan Khunt. Synthesis and Microbial Evaluation of Versatile Base Catalyzed Chiral Tetrahydrobenzofuran Derivatives via Multicomponent Reaction. (2015) 5(4), 258-266.
 - **Journal:** Letters in Drug Design & Discovery
 - **IF:** 1.15 **ISBN/ISSN:** 1570-1808

28. **2015:** Neelam M. Nathani, Ramesh K. Kothari, Amrutlal K. Patel, Chaitanya G. Joshi: Functional Characterization Reveals Novel Putative Coding Sequences in *Prevotella ruminicola* Genome Extracted from Rumen Metagenomic Studies. (2015) (25):292–299
- **Journal:** J. Mol. Microbiol Biotechnol.
 - **IF:** 1.13 **ISBN/ISSN:** 1464-1801
29. **2015:** Khushal Kapadiya, Kishor Kavadia, Parth Manvar, Rohit Kotadiya, Ramesh Kothari, and Ranjan Khunt: Catalyst free synthesis of thiazole derivatives bearing azo imine linkages Antimicrobial Agents. (2015) **5 (4) 258-266**
- **Journal:** Chemistry & Biology Interface **ISBN/ISSN:** 2249 –4820
30. **2015:** Neelam M. Nathani, Srinivas M. Duggirala, Chandra Shekar M., Ramesh K. Kothari, Chaitanya G. Joshi: Isolation of chitinolytic *Clostridium* sp. NCR from Mehsana buffalo rumen, its genomic analysis, and potential role in the rumen. (2015) (5)109-111
- **Journal:** *Genomics Data*
 - **IF:** 1.08 **ISBN/ISSN:** 2213-5960
31. **2014:** Updesh Dixit, Zhihe Liu, Ashutosh K Pandey, Ramesh Kothari, and Virendra N Pandey. Fuse binding protein antagonizes the transcription activity of tumor suppressor protein p53. (2014) 14:925 <http://www.biomedcentral.com/1471-2407/14/925> (Bio Med Central)
- **Journal:** *BMC Cancer*
 - **IF:** 4.40 **ISBN/ISSN:** 1471-2407
32. **2014:** Joshi A. Y., Kothari V. V., Kothari C. R., Bhimani H. D., and Kothari R. K.: Optimization of Parameters for Decolorization of a Textile azo dye, Remazol Black B (RBB) by a Newly Isolated Bacterium, *Bacillus thuringiensis* BYJ1. (2014) Vol.8 (47), pp.3837- 3849
- **Journal:** *African Journal of Microbiology Research*
 - **IF:** 0.675 **ISBN/ISSN:** 1996-0808
33. **2014:** Bhensdadia DV, Bhimani HD, Nathani NM, Rawal CM, Koringa PG, Joshi CG, Kothari CR, and Kothari RK: Isolation, Molecular Characterization, and Insight into the Genome Sequence of *E. coli* Bacteriophage ADB-2 from Poultry Fecal Sample. (2014) Volume 1 • Issue 1 • 1000101.(OMICS)
- **Journal:** Next Generation: Sequencing & Applications
 - **IF:** 1.28 **ISBN/ISSN:** 2469-9853
34. **2014:** Bhavesh D. Kevadiyaa, Shalini Rajkumar, Hari C. Bajaj, Shiva ShankaranChettiarc, KalpeshgiriGosaia, HarshadBrahmbhatta, Adarsh S. Bhatta, Yogesh K. Barvaliyad, Gaurav S. Dave, **Ramesh K. Kothari:** Biodegradable gelatin–ciprofloxacin–montmorillonite composite hydrogels for controlled drug release and wound dressing application. (2014) **122: 175–183.**
- **Journal:** *Colloids and Surfaces B: Biointerfaces*
 - **IF:** 5.268 **ISBN/ISSN:** 09277765
35. **2014:** H. D. Bhimani, D. V. Bhensdadia, C. M. Rawal, V. V. Kothari, **R. K. Kothari**, C. R. Kothari, and G. C. Bhimani: Influence of some chemical parameters on decolorization of textile dyes by bacterial strains isolated from the wastewater treatment plant. (2014)(**Academic Journals**)
- **Journal:** *African Journal of Microbiology Research*
 - **IF:** 0.675 **ISBN/ISSN:** 1996-0808

36. **2014:** K.M. Singh, P.R. Pandya, A.K. Tripathi, G.R. Patel, S. Parnerkar, **R.K. Kothari**, C.G. Joshi. Study of rumen metagenome community δ using qPCR under different diets. (2014) **2: 191–199 (Elsevier)**
- **Journal:** *Meta Gene*
 - **ISBN/ISSN:** 2214-5400
37. **2014:** Padma Ambalam, Sheetal Pithva, C.R. Kothari, **R.K. Kothari**, N.R. Parmar, N.M. Nathani, P.G. Koringa, C.G. Joshi, J.M. Dave, BRM Vyas: Draft Genome Sequence of the Potential Probiotic Bacterium *Lactobacillus rhamnosus* Lr 231. (2014) **Volume 2 Issue 1 e00111-14 (ASM)**
- **Journal:** *Genome Announcements*
 - **ISBN/ISSN:** 21698287
38. **2014:** P.A. Patel, V.V. Kothari, C.R. Kothari, P.R. Faldu, K.K. Domadia, C.M. Rawal, H.D. Bhimani, N.R. Parmar, N.M. Nathani, P.G. Koringa, C.G. Joshi, **R.K. Kothari**: Draft Genome Sequence of Petroleum Hydrocarbon Degrading *Pseudomonas aeruginosa* strain PK6 Isolated from Saurashtra Region of Gujarat, India. (2014) **Volume 2 Issue 1 e00002-14. (ASM)**
- **Journal:** *Genome Announcements*
 - **ISBN/ISSN:** 21698287
39. **2014:** P.R. Faldu, V.V. Kothari, C.R. Kothari, C.M. Rawal, P.A. Patel, K.K. Domadia, H.D. Bhimani, V.H. Raval, N.R. Parmar, N.M. Nathani, P.G. Koringa, C.G. Joshi and **R.K. Kothari**: Draft Genome Sequence of Textile Azo Dye Decolorizing and Degrading *Pseudomonas aeruginosa* strain PFK10 Isolated from CTETP of Ankleshwar Industrial Area of Gujarat, India. (2014) **Volume 2 Issue 1 e00019-14. (ASM)**
- **Journal:** *Genome Announcements*
 - **ISBN/ISSN:** 21698287
40. **2013:** K. M. Singh, P. R. Pandya, A. K. Tripathi, G. R. Patel, S. Parnerkar, **R. K. Kothari** and C. G. Joshi: Molecular diversity of protozoa in rumen of Indian buffalo (*Bubalus bubalis*). (2013) **2(4):360–366. DOI 10.1007/s40003-013-0071-9. (Springer)**
- **Journal:** *Agricultural Research*
 - **IF:** 1.73 **ISBN/ISSN:** 2249-720X
41. **2013:** V. V. Kothari, **R. K. Kothari**, C. R. Kothari, V. D. Bhatt, N. M. Nathani, P. G. Koringa, C. G. Joshi, B. R. M. Vyasa: Genome Sequence of Salt-Tolerant *Bacillus safensis* Strain VK, Isolated from Saline Desert Area of Gujarat, India. (2013) **Volume 1, • Issue 5 • e00671-13. (ASM)**
- **Journal:** *Genome Announcements*
 - **ISBN/ISSN:** 21698287
42. **2013:** Neelam M. Nathani, Amrutlal K. Patel, Prakash S. Dhamanna Patil, **Ramesh K. Kothari**, Krishna M. Singh, and Chaitanya G. Joshi: Comparative Evaluation of Rumen Metagenome Community using qPCR and MG-RAST. (2013) **3-55 (Springer) doi:10.1186/2191-0855-**
- **Journal:** *AMB Express*
 - **IF:** 3.98
 - **ISBN/ISSN:** 2191-0855
43. **2013:** H.H. Mehta, A.K. Patel, K.N. Nandasana, U.V. Ramani, P.G. Koringa, R.G. Shah, D.R. Barvalia, N. Kelawala, D.B. Patil, D.N. Rank, C.G. Joshi, K.M. Panchal, and **Ramesh K. Kothari**: Histology

and Histomorphology of Hormone Treated Surati Buffalo Udder Tissue. (2013) **8(2): 66-72.**
(Scientific publications)

- **Journal:** *American Journal of Animal and Veterinary Sciences*
- **ISBN/ISSN:** 1557-4563

44. **2013:**Krishna M. Singh, Ajai K. Tripathi, Paresh R. Pandya, SubhashParnerkar, Dharamsi N. Rank, **Ramesh K. Kothari**, and Chaitanya G. Joshi: Use of Real-Time PCR Technique in Determination of Major Fibrolytic and non Fibrolytic Bacteria Present in Indian Surti Buffaloes (*Bubalusbubalis*). (2013) **Volume 62(2): 195-200. (Polish Society of Microbiology)**

- **Journal:** *Polish Journal of Microbiology*
- **IF:** 1.98 **ISBN/ISSN:** 1733-1331

45. **2013:** K.M. Singh, A. K. Tripathi, Paresh Pandya, **R. K. Kothari**, and C. G. Joshi: Molecular Genetic Diversity and Quantitation of Methanogen in Ruminal Fluid of Buffalo (*Bubalusbubalis*) Fed Ration (wheat straw and concentrate mixture diet). (2013) **Volume 2013, Article ID 980191, 7 (Hindawi Publishing Corporation) pages**

- **Journal:** *Genetics Research*
- **IF:** 1.059 **ISBN/ISSN:** 0016-6723

46. **2013:**D. V. Bhensdadia, H. D. Bhimani, C. M. Rawal, V. V. Kothari, V. H. Raval, C. R. Kothari, A. B. Patel, V. D. Bhatt, N. R. Parmar, M. R. Sajnani, P. G. Koringa, C. G. Joshi, S. P. Singh, and **R. K. Kothari**: Complete Genome Sequence of *Escherichia* Phage ADB-2 Isolated from a Fecal Sample of Poultry. (2013) **Volume 1, • Issue 2 • e00043-13. (ASM)**

- **Journal:** *Genome Announcements*
- **ISBN/ISSN:** 21698287

47. **2013:**H.H. Mehta, A.K. Patel, K.N. Nandasana, U.V. Ramani, P.G. Koringa, R.G. Shah, D. R. Barvalia, N.H. Kelawala, D.N. Rank, C.G.Joshi, K.M. Panchal, and **R.K. Kothari**: The Effect of Hormone Treatment on Dry Surati Buffalo Mammary Gland. (2013) **4(1): (B) 298-308. (Elsevier).**

- **Journal:** *International Journal of Pharma and BioSciences*
- **ISBN/ISSN:** 0975-6299

48. **2012:** Krishna M. Singh, Viral B. Ahir, Ajai K. Tripathi, Umed V. Ramani, ManishaSajnani, Prakash G. Koringa, SubhashJakhesara, Paresh R. Pandya, Dharamsi N. Rank, Duggirala S. Murty, **Ramesh K. Kothari**, Chaitanya G. Joshi: Metagenomic Analysis of Surti Buffalo (*Bubalusbubalis*) Rumens: A Preliminary Study. (2012) **39:4841,–4848.**

- **Journal:** *Molecular Biology Reports*
- **IF:** 2.316 **ISBN/ISSN:** 0301-4851

49. **2012:** C. M. Rawal, V. H. Raval, H. D. Bhimani, D. V. Bhensdadia, C. R. Kothari, A. B. Patel, V. D. Bhatt, N. R. Parmar, M. R. Sajnani, P. G. Koringa, C. G. Joshi, **R. K. Kothari**, and S. P. Singh: Whole-Genome Shotgun Sequencing of the Extremophile *Alkalibacillushaloalkaliphilus* C-5, of Indian Origin. (2012) **194(17):4775. (ASM).**

- **Journal:** *Journal of Bacteriology*
- **IF:** 3.49 **ISBN/ISSN:** 0021-9193

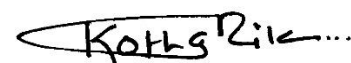
50. **2012:**K.M. Singh, A.K. Tripathi, P.R. Pandya, S. Parnerkar, D.N. Rank, **R.K. Kothari**, C.G. Joshi: Methanogen Diversity in the Rumen of Indian Surti Buffalo (*Bubalus bubalis*) Assessed by 16S rDNA analysis. (2012) **92 451–455. (Elsevier)**
- **Journal:** *Research in Veterinary Science*
 - **IF:** 2.50 **ISBN/ISSN:** 0034-5288
51. **2011:** Jiss Joe, **R. K. Kothari**, C.M. Raval, C.R. Kothari, V. G. Akbari, and S. P. Singh: Decolorization of Textile Dye Remazol Black B by *Pseudomonas Aeruginosa* CR-25 Isolated from the Common Effluent Treatment Plant. (2011) **Volume 2 • Issue 2 • 1000118. (OMICS)**
- **Journal:** *Journal of Bioremediation & Biodegradation*
 - **IF:** 3.98 **ISBN/ISSN:** 2155-6199
52. **2011:**Viral Gosai, Padma Ambalam, Maya Raman, C.R. Kothari, **R.K. Kothari**, B.R.M. Vyas, and Navin R. Sheth: Protective Effect of *Lactobacillus rhamnosus* 231 against N-Methyl-N'-nitro-N-nitrosoguanidine in Animal Model. (2011) **(2)6: 319-325.**
- **Journal:** *Gut Microbes*
 - **IF:** 8.11 **ISBN/ISSN:** 1949-0976
53. **2011:**K. M. Singh, A. K. Tripathi, P. R. Pandya, D. N. Rank, **R. K. Kothari**, C. G. Joshi: *Dasytricha* Dominance in Surti Buffalo Rumen Revealed by 18S rRNA Sequences and Real-Time PCR Assay. (2011) **63:281-288. (Springer)**
- **Journal:** *Current Microbiology*
 - **IF:** 2.29 **ISBN/ISSN:** 0343-8651
54. **2011:**Singh K.M., Pandya P.R., Parnerkar S., Tripathi A.K., Rank D.N, **Kothari R.K.**, and Joshi C.G: Molecular Identification of Methanogenic Archaea From Surti Buffaloes (*Bubalus Bubalis*), Reveals More Hydrogenotrophic Methanogens Phylotypes: (2011) **42: 132-139. (SMB)**
- **Journal:** *Brazilian Journal of Microbiology*
 - **IF:** 2.11 **ISBN/ISSN:** 1517-8382
55. **2010:**Krishna M. Singh, Paresh R Pandya, Subhash Parnerkar, Ajai K Tripathi, Umed Ramani, Prakash G Koringa, Daramsi N Rank, Chaitanya G Joshi, and **Ramesh K Kothari**: Methanogenic Diversity Studies within the Rumen of Surti Buffaloes Based on Methyl Coenzyme M Reductase A (mcrA) Genes, Point to *Methanobacteriales*. (2010) **(59)3: 175-178.**
- **Journal:** *Polish Journal of Microbiology*
 - **IF:** 1.98 **ISBN/ISSN:** 1733-1331
56. **2010:**P.R Pandya, KM Singh, A K Tripathi, HH Mehta D N Rank, S Parnerkar, **R K Kothari** and C G Joshi: Bacterial Diversity in the rumen of Indian Surti buffalo (*Bubalus bubalis*), 16S rDNA Sequences Analysis Approach. *Journal of Applied Genetics*: (2010) **(51) 3: 395-402. :(Springer)**
- **Journal:** *Journal of Applied Genetics*
 - **IF:** 2.65 **ISBN/ISSN:** 1234-1983
57. **2006:** **Pathak S. S., Joshi M. M., Kothari R. K., Trivedi B. B., and Jhala V. M.:** MnP and MIP mediated decolorization of textile dyes Reactive Red 22 and Reactive Black 5. **24 (2):307-312**
- **Journal:** *International Journal of Bioscience Reporter* (now published as Bioscience Gardian)

58. **2005:** Koshore S. Rajput and Ramesh K. Kothari: Formation of gum ducts in *Ailanthus excelsa* in response to fungal infection (2005) **45: 33-43**
 - **Journal:** *Phyton (Horn. Austria)*
 - **ISBN/ISSN:** 0079-2047
59. **2005:** R. K. Kothari. C. R. Kothari and S. J. Pathak.: Decolorization of textile dyes by ligninolytic enzymes of white rot fungus *Coriolopsis polysona* (2005) **24(2): 267-270**
 - **Journal:** *Pollution Research*
60. **2005:** R. K. Kothari. C. R. Kothari and S. J. Pathak.: Microbial Decolorization and Degradation of textile azo dyes Golden-HR and Magenta-HB (2005) **7(2): 239-242** (Global Science Publications)
 - **Journal:** *Asian Journal of Microbiology, Biotechnology and Environmental Science*
61. **2005:** Kothari R. K. Kothari C. R. and Pathak S. J.: Screening of heavy metals (Sodium Arsenite) resistance Bacterial Population (2005) **3 (2): 190-193**
 - **Journal:** *International Journal of Bioscience Reporter* (now published as Bioscience Gardian)
62. **2003:** Kothari R. K. and Kothari C. R. : Decolorization of textile azo dyes by a three member bacterial consortium (2003) **4 (1): 21-26**
 - **Journal:** *International Journal of Bioscience Reporter* (now published as Bioscience Gardian)

Research papers in the conference proceedings: (13)

1. **2024:** Suvagiya Dhruvi, Bhimani Himanshu, Hina Radadiya, Vyas Umesh, Kothari Ramesh: Trichoderma species: Our best fungal allies in the biocontrol of plant diseases **In** *Proceeding of 14th National Level Science Symposium on Recent Trends in Science. February 04, 2024.*
2. **2018:** Avani Ranipa, Anju Shrilal, Akash Nimavat, Jalpa Rank, Ramesh Kothari, and John J. George. *Aspergillus flavus*-A menace to farmers **In** *Proceeding of GUJCOST sponsored 10th National Level Science Symposium on Recent Trends in Science. February 11, 2018. (ISBN 978-81-929521-3-0)*
3. **2015:** Priyank Patel, Hemangi Kathesia, Riddhi Shukla, Ramesh Kothari. Biodegradation of Petroleum Hydrocarbons By Newly Isolated Bacterial Strains *Acinetobacter* SPP. SK1 & *Streptococcus* SPP. SK2 **In** *Proceeding of GUJCOST sponsored 8th National Level Science Symposium on Recent Trends in Science. February 22, 2015. (ISBN 978-81-929521-1-6)*
4. **2015:** Anjali Joshi, Jaysukh Nanani, Mohit Trivedi, Vishal Kothari, Ramesh Kothari. Decolorization of Reactive Orange ME2RL by a designer bacterial consortium. **In** *Proceeding of GUJCOST sponsored 8th National Level Science Symposium on Recent Trends in Science. February 22, 2015. (ISBN 978-81-929521-1-6)*
5. **2015:** Priti Faldu, Priyank Patel, Rohit Kotadiya & Ramesh Kothari. Biodegradation of a Textile Azo Dye Acid Maroon V By newly Isolated Bacteria **In** *Proceeding of GUJCOST sponsored 8th National*

6. **2014:** D. V. Bhensdadia, H.D. Bhimani, C. R. Kothari, R.J. Kotadiya, P.G. Koringa , &R. K. Kothari. Isolation and characterization of coliphage & their host isolated from poultry fecal sample. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
7. **2014:** H. D. Bhimani, R. K. Kothari, R. J. Kotadiya, S. P. Singh. Assessment of bacterial diversity in textile effluent and screening of dye decolorizing bacteria. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
8. **2014:** R. K. Kothari, R. J. Kotadiya, B.B. Radadia, P.R. Faldu, C. R. Kothari. Biodecolorization of textile tri-azo dye direct blue G by a newly isolated *Pseudomonas aeruginosa* PFK10 *Proceeding of GUJCOST sponsored 7th National Level Science Symposium on Recent Trends in Science. (ISBN 978-81-929521-0-9)*
9. **2014:** Kaushik Dave, V. V. Kothari, R.K. Kothari. *In Silico* epitope analysis and comparison of hemagglutinin (ha) for conventional influenza vaccine (civ), 2011- 2012 influenza vaccine strain and 2012- 2013 influenza vaccine strain recommended by WHO. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
10. **2014:** Domadia K. R., C.R. Kothari., Kotadiya R.J. Kothari V.V. & R.K. Kothari. Evaluation of dye decolorization potential of a newly isolated bacterial species under various environmental and nutritional conditions. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
11. **2014:** P. R. Faldu, C.R. Kothari, R. J. Kotadiya, V.V. Kothari & R. K. Kothari. Phytotoxicity assessment of an azo textile dye treated under sequential static-shaking culture conditions. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
12. **2014:** P. A. Patel, V.V. Kothari & R. K. Kothari. A study on petroleum hydrocarbon-degrading bacteria isolated from the Saurashtra region of Gujarat, India. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*
13. **2014:** Kothari V.V. Kothari R.K. BRM Vyas. Formulation of the plant growth-promoting *Bacillus cereus* strain o8 using chitosan-alginate. *Proceeding of GUJCOST-sponsored 7th National Level Science Symposium on Recent Trends in Science (ISBN 978-81-929521-0-9)*



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