

Sr. No.	Department	Date of the MoU/ Collaborations	Objective of the Collaboration/MoU	Name & Address of the Institutions with which Collaboration/MoU done	Activities under the Collaboration/MoU
1.	Biosciences (Prof. S. P. Singh)	Collaboration & MoU (DBT-Multi-Intuitional Project 2007-2012)	Research & Collaborations	Saurashtra University, Rajkot IIT Delhi, New Delhi University of Delhi DBT, Govt. of India	Joint Research Project, Joint Publications, Inter-Institutional Visit of the Faculty & Students
2.	Biosciences (Prof. S. P. Singh)	Collaboration (Net Working Project 2014-2018)	Research	Saurashtra University, Rajkot Bhavnagar University, M S University-Baroda, Gujarat University- Ahmedabad Ministry of Erath Science, Govt. of India, New Delhi	Joint Research Project, Inter- Institutional Visit of the Faculty & Student
3.	Biosciences (Prof. S. P. Singh)	Collaboration (2016-Continue)	Research, Academic, Training	Saurashtra University, Rajkot University of Hyderabad, Hyderabad J N Technical University- Hyderabad	Joint Publication, Student Visit & Training, Research Collaboration
4.	Biosciences (Prof. S. P. Singh)	Collaboration (2012-Continue)	Research, Academic, Training	Department of Bioinformatics and Department of Microbiology, Biotechnology, Christ college, Rajkot	Joined supervision of the students Joint Publications, Student Visit & Training, Research Collaboration Faculty visits & teaching
5.	Biosciences Department/ Saurashtra University	Collaborations & MoU, 2006-Onward	Research & Collaborations, Student Support	Griffith University, Brisbane, Australia Saurashtra University, Rajkot	Research Collaborations, Joint publications, Data Analysis Conference support, Support & guidance in research papers
6.	Biosciences (Prof. S. P. Singh)	Collaborations, February-March, 2005, Interaction	Research & Teaching Collaborations Student Support	Yangon University, Yangon, Myanmar 2-week visit as Visiting Professor and member of the	Taught: Microbiology/Molecular Biology to M. Sc. and Ph.D. students Guided: 02 Ph.D. students Acted as external examiner: for Ph.D.

		continues with the faculty members		Government of India panel for Biotechnology	students
7.	Biosciences (Prof. S. P. Singh)	Collaborations 1996-98, 2001, and continued	Research Collaborations	National Food Research Institute, Tsukuba Science City, Japan Visiting scientist-worked on Genetic Engineering/Gene shuffling/Directed Evolution Continued on returning to India	Joint Research Project, Joint Publications
8.	Biosciences (Prof. V. S. Thaker)	Revised in 2020	Research and teaching	Vimal Research Society for Agrobiotech , Agi area, 80 feet road, Rajkot	Collaborative research work, fellowships to the research fellow, organization of workshop and training program
9.	Biosciences (Prof. V. S. Thaker)	2020	Research and teaching	GBRC, Government of Gujarat, Department of Science and Technology, Gandhinagar	Utilization of research facilities, sharing of expertise, and jointly organization of training program
10.	Biosciences (Prof. V. S. Thaker)	Collaborations Since 2019	Research activities	Collaboration with Dr. Meenu Sharaf, Head, Department of microbiology, Gujarat Univ. Ahmedabad	Sharing of facilities and expertise for effective output of the research problems (please see publication-1)
11.	Biosciences (Prof. V. S. Thaker)	Collaborations Since 2018	Research	Dr. Sumar Punia, Agricultural Research Station, Ummedganj, Kota-324001. Rajasthan. India	Sharing of Plant materials and facilities (please see publication-2)
12.	Biosciences (Prof. R S Kundu)	2016-2019	Collaborative Research	Department of Life Sciences, MK Bhavnagar University, Bhavnagar, Gujarat	Co-Coordinator in MoES funded Network Research Project
13.	Biosciences (Prof. R S Kundu and Dr. Bhavik Vakani)	2017 ongoing	Collaborative Research	Kyoto University, Kyodai Field Science Education and Research Center, Seto Marine Biological Laboratory, Kyoto, Japan	Research Collaboration with Dr. Tomoyuki Nakano, Asst. Professor, in Marine Limpetology with Bhavik Vakani. Resulted into an International publication. Research work is continuing.

14.	Biosciences (Prof. R S Kundu)	2019 ongoing	Collaborative Post-Doc Research	University of Tartu, Estonian Marine Institute, Estonia, Europe	Post-Doc Australian Researcher Dr. Kiran Liversage is working on Global rockpool Survey. Dr. Liversage is working under Malacological Society of London fellowship. First phase of the work completed.
15.	Biosciences (Prof. R S Kundu)	2019 Ongoing	Collaborative Research	University of Plymouth, England	Dr. Louise Firth of University of Plymouth is heading the project Global Rockpool Survey. Since Dr. Liversage is working on that project, Prof. R.S. Kundu and the Dept. of Biosciences, SU is automatically becoming a part of that working group. Research is continuing.
16.	Biosciences (Prof. BRM Vyas)	Collaboration (2007 onwards)	Research & Training Student Support	Forest Pathology Division Forest Research Institute Dehradun 248195, Uttarakhand	Collaborative Research Inter-Institutional Visits of the Faculty & Students
17.	Biosciences (Prof. BRM Vyas)	Collaboration (2008- onwards)	Product Development Field Trials etc	Agriland Biotech Limited 36, Prince Industrial Estate Mota Motipuratal Savli 391520, District Vadodara	Collaborative Research Visit by the Faculty & Students Support & guidance in research papers sample collection and analysis
18.	Biosciences (Prof. BRM Vyas)	Collaboration (2014-onwards)	Research, Product Development Academic Training	Mansinhbhai Institute of Dairy & Food Technology Dudhsagar Dairy Campus Mehsana Highway, Mehsana 384002	Collaborative Research Visit by the Faculty & Students Support & guidance in research papers sample collection and analysis
19.	Biosciences (Prof. BRM Vyas)	Collaborations, (2010- Onwards)	Research & Collaborations Student Support	Govt. Science College K. K. Shastri Educational Campus Khokhra Road, Ahmedabad- 380008	Collaborative Research Data Analysis Support & guidance in research papers
20.	Biosciences (Prof. BRM Vyas)	Collaborations, (2006- Onwards)	Research, Product Development	EnFormTech NZ Ltd PO Box 23610 19 Laureston Ave, Papatoetoe Auckland, New Zealand	Collaborative Research Visit by the Director Support & guidance in research papers sample provision & analysis

21.	Biosciences (Prof. BRM Vyas)	Collaborations, 1996- Onwards	Research & Collaborations	Formerly with Universitat Regensburg, Regensburg Germany	Collaborative Research Joint Publications Data Analysis Support & guidance in research papers
22.	Biosciences (Prof. BRM Vyas)	Collaborations, 1996- Onwards	Research & Collaborations	Institute of Microbiology Czech Academy of Sciences Václavská 1083, 142 20 Prague 4 Czech Republic	Collaborative Research Joint Publications Data Analysis Support & guidance in research papers
23.	Biosciences (Prof. R. K. Kothari)	10.03.2017	To explore, extend and strengthen the functional relationship between the Universities and National laboratories with well- established R &D set up(s) in Biological and Chemical science in order to share the facilities and expertise available with each of them	Defense Research & Development Establishment (DRDE), Defense Research & Development Organization (DRDO), Ministry of Defense, Govt. of India, Gwalior <u>Address</u> : New Campus: <u>Jhansi Road</u> , Gwalior-474 002. Madhya Pradesh, INDIA	A project of Rs. 9,70,000/- was completed by Prof. Ramesh Kothari from Department of Biosciences funded by DRDE-DRDO, Gwalior.
24.	Biosciences (Prof. R. K. Kothari)	30.09.2016	Aiming to promote collaboration between faculty, staff and students for explore joint research programmes, availing research facilities and exchange experiences in education and research.	Junagadh Agricultural University, Junagadh, Vanthali Rd, Moti Baug, Junagadh University, Junagadh, Gujarat 362001	Several M.Sc., M.Phil and Ph.D. studned have availed laboratory facilities form Department of Biotechnology of Junagadh Agricutral University. Various faculties from Bioscience department of Saurashtra University have acted as Guide or co-guide for the Ph.D. students of Junagadh Agricultural university.
25.	Biosciences (Prof. R. K. Kothari)	2008 onwards	Understanding and Collaborations among the of both side of the	Department of Biotechnology, College of Veterinary Science and Animal Husbandry, Anand	Prof. Ramesh Kothari has published several peer reviewed reach papers in international journal of reptues as an

			institutions	agricultural university, Anand, Gujarat-INDIA	outcome of research & academic collaboration
26.	Biosciences (Prof. R. K. Kothari)	2017 onwards	Understanding and Collaborations among the persons of both side of the institutions	Department of Chemistry, Indian Institute of Technology (IIT), Delhi India	Prof. Ramesh Kothari has developed several e-Contents modules under the scheme of ePG pathshal of UGC. MHRD, Govt. of India and in collaboration with Prof. S. K. Khares, IIT, Delhi.
27.	Biosciences (Prof. R. K. Kothari)	2012 onwards	Understanding and Collaborations among the persons of both side of the institutions	Department of Biochemistry and Molecular Biology, The University of Medicine and Dentistry of New Jersey United States. (Now Rutgers University)	Prof. Ramesh Kothari has visited as visiting researcher in the laboratory of Prof. Virendra Pandya. One of Ph.D. student of Prof. Kothari has completed his Ph.D. work in Prof. Pandya's lab.
28.	Biosciences (Prof. R. K. Kothari)	2007 onwards	Collaboration between the persons from both side of the institutions	Department of Bioinformatics and Department of Biotechnology, Christ college, Rajkot	We completed e-content development project (NMEICT)-MHRD and published several research publications
29.	Biosciences (Dr. Jigna Tank)	May 2019	Ph.D Research in Ecology	Dr. Hitesh Solanki, Department of Botany, Gujarat University, Ahmedabad	Co-Guide of Ph.D Student Ms. Seema Joshi
30.	Biosciences (Dr. Jigna Tank)	Dec 2018	Research in Plant Biotechnology	Dr. Rohan Pandya Department of Biotechnology, M. & N. Shree Virani Science College, Kalavad Road, Rajkot	Joint Research and Publications
31.	Biosciences (Dr. Shweta Pathak)	2014-2015	Collaborative Research	Department of Biochemistry, School of Sciences Gujarat University, Ahmedabad, Gujarat	Supervised a short term research work on PCB toxicity for the M.sc. Dissertation work of Ms. Vidhi Shah.
32.	Biosciences (Dr. Shweta Pathak)	2014- 2015	Collaborative Research	Department of Biochemistry, School of Sciences Gujarat University, Ahmedabad, Gujarat	Supervised a short term research work on PCB toxicity for the M.Sc. Dissertation work of Ms. Hiral Ghodasara
33.	Biosciences	2013- Continue	Research collaboration	Main Dry Farming Research	Joint Research Publication & Training

	(Dr. S. P. Singh, Dr. Mital Kaneria and Dr. Kalpna Rakholiya)			Station (DFRS), Junagadh Agricultural University, Targhadia, Rajkot-360003, India	
34.	Biosciences (Dr. Mital Kaneria)	2012- Continue	Research collaboration	Gujarat Institute of Desert Ecology (GUIDE), Bhuj, Kachchh-370001, India	Joint Research Publication & Training
35.	Biosciences (Dr. Mital Kaneria)	2018- Continue	Research collaboration	Gujarat Ecological Education and Research (GEER) Foundation, Indroda Nature Park, Gandhinagar, India	Joint Research Publication & Training
36.	Biosciences (Dr. Mital Kaneria)	2012- Continue	Research collaboration	Pharmaceutical Chemistry Laboratory, Gujarat Ayurved University, Jamnagar, India	Joint Research Publication & Training
37.	Biosciences (Dr. Mital Kaneria)	2015- Continue	Research collaboration	Department of Veterinary Medicine, College of Veterinary Science and A. H., Junagadh Agricultural University, Junagadh - 362001, India	Joint Research Publication & Training
38.	Biosciences (Dr. Mital Kaneria)	2016- Continue	Research	Food Testing Laboratory, Department of Biotechnology, Junagadh Agricultural University, Junagadh-362001, India	Joint Research Publication & Training
39.	Biosciences (Dr. Mital Kaneria)	2016- Continue	Research	Gujarat Biotechnology Agricultural Institute, Navsari Agricultural University, Surat, Gujarat, India	Joint Research Publications
40.	Biosciences (Dr. Bhavik Vakani)	2018 - continue	Preparing Biomaterials for a different dental issue purpose	Mr. Arun Y Patil Assistant Professor of Mechanical Engineering, KLE Tech University	Used simulation methods to check the Physico-chemical properties of Molluscan teeth. Tested a few simulated materials of

					Molluscan teeth by using the simulation of an organism.
41.	Biosciences (Dr. Bhavik Vakani)	2017-2019	To solve Taxonomic Issues regarding Marine species Identification	Mr. Abdul Riyas & Prof. A. Bujukumar Department of Aquatic Biology and Fisheries, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala 695581, India	Jellyfish Species sample Identification of Indian coastline Published one peer-reviewed journal article (Riyas, A., Kumar, A. B., & Vakani, B. (2019). First Record of Rhizostome Jellyfish <i>Catostylus perezii</i> Ranson 1945 (Cnidaria: Scyphozoa) from the Indian Coast. <i>Thalassas: An International Journal of Marine Sciences</i> , 35(2), 519-524.)