

Other Publication viz Books, Book chapter, Practical Manuals, Bulletins etc.

Sr. No.	Details of Publication
Year 2015-16	
1.	Gajera, H. P.; Patel, S. V. And Golakiya, B. A. (2015). Biochemistry, Molecular Biology and Biotechnology - Instant Notes. New India Publishing Agency, New Delhi, pp. 372, ISBN: 978-93-83305-52-0.
2.	Antala, T. J.; Gajera, H. P. and Vyas, H. R. (2015). Molecular and Biochemical marker for Fingerprinting: Cowpea. LAP lambert Academic Publishing, Deutschland/Germany, ISBN: 978-3-659-23612-0.
3.	Gajera, H. P.; Kapopara, M. B. and Antala, T. J. (2015). Peanut Butter: Nutritional Concepts to Fortify Confectionaries. LAP lambert Academic Publishing, Deutschland/Germany, ISBN: 978-3-659-38919-1.
4.	Gajera, H. P.; Savaliya, D. D. and Antala, T. J. (2015). Eugenol: Therapeutic Potential of Tulsi (<i>Osimum sanctum</i> L.) LAP lambert Academic Publishing, Deutschland/Germany, ISBN: 978-3-659-51337-4.
5.	Gajera, H. P.; Dave, R. A. and Chavda, J. S. (2015). Curcuminoids: Antioxidant Potentials and Medicinal Uses. LAP lambert Academic Publishing, Deutschland/Germany, ISBN: 978-3-659-53422-5.
6.	Gajera, H. P. and Golakiya, B. A. (2015). In: Raghvani, K. K.; Jethva, D. M. and Vyas, U. M. (Eds.) Biochemical and Molecular Basis of Plant Defense Mechanism Induced by Biocontrol agent. On line E-Manual Designed and Developed By Division of Computer Applications, IARI, New Delhi, on CBP-IASRI portal, pp. B-17-25.)
7.	Kandoliya, U. K. and Golakiya, B. A. (2015). In: Raghvani, K. K.; Jethva, D. M. and Vyas, U. M. (Eds.). Role of secondary metabolites in plant pathogenesis and Defense mechanism. On line E-Manual Designed and Developed By Division of Computer Applications, IARI, New Delhi, on CBP-IASRI portal, pp. B-1-9.
8.	Marviya, G. V. and Golakiya, B. A. (2015). In: Raghvani, K.K.; Jethva, D.M. and Vyas, U.M. (Eds.) DNA Isolation and Utilization of Biotechnological Methods viz. SSR, RAPD etc. For Identification, Comparison and Sequencing of Genes. On line E-Manual Designed and Developed By Division of Computer Applications, IARI, New Delhi, on CBP-IASRI portal. pp. B-26-43.
9.	Gajera, H. P. (2015). Practical manual for Basic Biochemistry. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
10.	Marviya, G. V.; Rathod, P. J. and Kandoliya, U. K. (2015). Practical manual on Elementary plant Biochemistry and Biotechnology. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
11.	Marviya, G. V. (2015). Practical manual on Fundamentals of Food Technology. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
12.	Rathod, P. J.; Kandoliya, U. K. and Marviya, G. V. (2015). Practical manual on Biochemistry. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
13.	Rathod, P. J. (2015). Food & Nutritional Biochemistry. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
14.	Rathod, V. B. (2015). Lecture Notes and Practical manual on Principles of plant Breeding. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
Year 2016-17	
1.	Bajaniya V. K.; Bhadja N. V. and Kandoliya U. K. (2016). Physicochemical and Fatty acids Properties of Bili and Khakhara oils. LAP Lambert Academic Publishing, ISBN. No. 978-3-659-89879-2.

2.	Hirpara, D. G.; Gajera, H. P. and Patel, A. K. (2016). Molecular perspectives of <i>Trichoderma</i> strains inhibiting <i>S. rolfii</i> . LAP Lambert Academic Publishing, ISBN: 978-3-330-00541-9.
3.	Gajera, H. P.; Savaliya, D. D.; Hirapara, D.G.; Patel, S.V. and Golakiya, B. A. (2016). In: Kumar, P.; Gupta, V. K.; Tiwari, A. K. and Kamale, M. (Eds.). Biocontrol Mechanism of <i>Bacillus</i> for <i>Fusarium</i> Wilt Management in Cumin (<i>Cuminum cyminum</i> L.).(Book chapter in Current trends in plant disease diagnostics and management practices.) Springer Nature, Ag Switzerland, pp. 29-47, ISBN No. 978-3-319-27312-9.
4.	Rathod, P. J.; Marviya, G. V. and Kandoliya, U. K. (2016). Practical manual on Advances in biochemistry and Biotechnology of flower crops. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
5.	Vala, A. G. and Marviya, G. V. (2016). Practical manual For ELP of tissue culture technology. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
6.	Marviya, G. V. (2016). Fundamentals of Food and Nutrition. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
7.	Parakhia, M. V. (2016). Practical Manuals on Introductory Microbiology. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
8.	Rathod, V. B. (2016). Lecture Notes on Molecular Breeding. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
9.	Rathod, V. B. (2016). Practical manual on Techniques in Molecular Biology-II. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
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Year 2017-18	
1.	Gajera, H. P. (2017). Practical manual for Basic Biochemistry. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
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3.	Hirpara, D. G. and Gajera, H. P. (2017). <i>Quorum Sensing Enables Bacteria to Communicate, Reader's shelf</i> , 13(11): 53-55.
4.	Hirpara, D. G. and Gajera, H. P. (2017). <i>Dynamics of Nanobiotechnology for Protection and Nutrition of Crop Plants, Readersshelf</i> , 12: 39-41.
5.	Rathod, V. B.; Rathod, P. J. and Katakpara, Z. A. (2017). <i>Union budget: 2017-2018 - Budget for better agriculture. Indian Farmer</i> , 4(10): 760-762.
6.	Hirpara, D. G. and Gajera, H. P. (2018). <i>Quorum Quenching: Implications of Novel Antimicrobial Therapeutics to Control Infectious Diseases, Readersshelf</i> , 14(05): 04-06.
Year 2018-19	
1.	Gajera, H. P. (2018). Practical manual on principle of Biotechnology. Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh.
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Year 2021-22	
1.	Riddhi Rajyaguru, Nataraja Maheshala, Chandrashekar Mootapally, Neelam Nathani, Rukam Singh Tomar, Hiren Bhalani, Priyanka Sharma (2021). CRISPR-Cas9 Approaches to Enhance Contents of Plant Secondary Metabolites. In: Mohd. Shahnawaz (ed), Biotechnological Approaches to Enhance Plant Secondary Metabolites: Recent Trends and

	Future Prospects, CRC Press, Taylor & Francis Group, USA.
2.	Rathod P.J. (2021). Practical Manual for Biochem 509 Food and Nutritional Biochemistry, Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
3.	Rathod P.J. (2021). Practical Manual for Biochem 511 Biochemistry of cereals , oilseeds and pulses, Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
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5.	Sara Asadi, Feba Jacob, Rasmieh Hamid, Rukam S. Tomar and Zahra Ghorbanzadeh (2021). Advance Microbiological Applications for Sustainable Agriculture. In: Vishnu D Rajput & Abhishek Singh (eds.), Emerging Tools for Sustainable Agriculture and Food Security. Nova Science Publishers
Year 2022-23	
1.	Rie Horiuchi, Ram B. Singh, Toru Takahashi, Saikat Kumar Basu, Rukam S. Tomar, Wajdy Al-Awaida, Harpal S. Buttar and Miki Tokunaga (2022). Epigenetic modulation of nutritional factors with reference to microgravity conditions for plants and animals: a new biotechnological approach for developing functional foods. In: Ram B. Singh, Shaw Watanabe, and Adrian Isaza (eds.), Functional foods and nutraceuticals in metabolic and non-communicable diseases. Academic Press, Elsevier Inc. (ISBN: 978-0-12-819815-5).
2.	Rathod P.J. (2022). Practical Manual forUG Horticulture course PHT1.1 Food and Nutrtn, Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
3.	Rathod P.J. (2022). Practical Manual for UG Agriculture course Fundamentals of plant biochemistry(Biochem2.1), Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
4.	Richa Mishra, Abhishek D. Tripathi, Ram B. Singh, Douglas W. Wilson and Rukam S. Tomar (2022). Estimates of functional food and nutraceutical availability in the world, with reference to food peroxidation and food safety. In: Ram B. Singh, Shaw Watanabe, and Adrian Isaza (eds.), Functional foods and nutraceuticals in metabolic and non-communicable diseases. Academic Press, Elsevier Inc. (ISBN: 978-0-12-819815-5).
Year 2023-24	
1.	Shital M. Padhiyar, JasminkumarKheni, Shraddha B. Bhatt and Rukam Singh Tomar* (2024). Genetic Improvement of Barnyard Millet Through Advanced Biotechnological Methods. In: Sweta Mishra, Shailesh Kumar & R C Srivastava (eds), Genetic Improvement of Small Millets. Springer Nature Singapore Pte Ltd., Singapore 189721, Singapore.
2.	Riddhi H. Rajyaguru, Nataraja Maheshala, Priyanka Sharma, Hiren Bhalani and Rukam Singh Tomar* (2024) Genetic Improvement of Foxtail Millet Through Advanced Biotechnological Methods. In: Sweta Mishra, Shailesh Kumar & R C Srivastava (eds), Genetic Improvement of Small Millets. Springer Nature Singapore

	Pte Ltd., Singapore 189721, Singapore.
3.	JasminkumarKheni and Rukam S. Tomar*(2023). Nutraceutical Usages and Nutrigenomics of Castor. In: Chittaranjan Kole (Eds): Compendium of Crop Genome Designing for Nutraceuticals. Springer-nature, Berlin, Germany.
4.	Zahra Ghorbanzadeh, Rasmieh Hamid, Mohammad Reza Ghaffar, BahadorMaleknia, Rukam S. Tomar, and Feba Jacob Thoppurathu (2023) Bio-Nanotechnological Methods in Crop Production and Pest Management. In: Vishnu D. Rajput, Abhishek Singh, Tatiana Minkina, Krishan Verma and Awani Kumar Singh (eds), Nanotechnology for Sustainable Agriculture: An Innovative and Eco-Friendly Approach. CRC Press, Taylor & Francis Group, USA.
5.	Balaji Rathod, Shashikant Sharma, Khyati R. Savani, Devendra Kumar, Mansi Barot and Rukam Singh Tomar* (2023). Role of Genetic Engineering in Male Sterility for Hybrid Seed Production.
6.	Balaji Rathod, Shashikant Sharma, Devendra Kumar, Khyati R. Savani, Mansi Barot and Rukam Singh Tomar* (2023). Transcript and Protein Analysis.
7.	Zahra Ghorbanzadeh, Rasmieh Hamid, Feba Jacob, Rukam Singh Tomar (2023). Coriander transcriptome: Trends, Scope, and Utilization for Coriander Improvement. In: Handbook of Coriander (<i>Coriandrum sativum</i>), Taylor & Francis Group, LLC, Abingdon, England
8.	Zahra Ghorbanzadeh, Rasmieh Hamid, Feba Jacob Thoppurathu, Rukam S. Tomar and BahadorMaleknia (2023). Biotechnological Methods In: Pest Management For Sustainable Agriculture. In: Vishnu D Rajput & Abhishek Singh (eds.), Emerging Tools for Sustainable Agriculture and Food Security. Nova Science Publishers, Inc., Hauppauge, NY, 11788 USA
9.	Rathod P.J. (2023). Practical manual for Advances in Enzymology , Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
10.	Rathod P.J. (2023). Practical manual Biotechnological approaches for vegetable crops, Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
11.	Rathod P.J. (2023). Practical Manual for Fundamental of Plant Biochemistry, Department of Biotechnology, College of Agriculture, Junagadh Agricultural University, Junagadh
12.	Ashish vala (2023) From DNA to dinner plate: unraveling the biotechnological marvels of sustainable agriculture
13.	Ashish Vala (2023) Harvesting Intelligence:Transforming Agriculture through Artificial Intelligence
14.	Dr. Jay Khaniya (2024). The Future of Plant Breeding: Innovations Driving Agricultural Revolution. <i>Agri Articles</i> , 04(01): 598-601.
15.	Dr. Jay Khaniya (2024). Revolutionizing Agriculture: Unveiling the Power of Pigeonpea (<i>Cajanus cajan</i> (L.) Mill Sp.) for sustainable Farming and Food Security. <i>Agri Articles</i> , 04(02): 37-42.
16.	Dr. Jay Khaniya (2024). Groudnnut Farming in a Changing Climate: Building Resillience for Sustainable Agriculture. <i>Agri Articles</i> , 04(02): 75-79.
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Year 2024-25	
1.	Dhawale R.N., Padhiyar S.M., Bhatt.S.B. (2024).Genome editing through CRISPR-CAS9for improvement of livestock.s.ISBN:978-81-976079-7-4
2.	Bhatt S.B., Dhawale R.N.(2024).Microbial Genetics observation system.ISBN:978-81-976079-7-4
3.	Bhatt S.B., Dhawale R.N.(2024).Environmental Microbiology Detection system.ISBN:978-81- 976079-7-4
4.	Bhatt S.B., Dhawale R.N. (2024). Application of Industrial Microbiology.ISBN:978-81-976079-7-4
5.	Bhatt S.B., Dhawale R.N. (2024). Bacteriology Analysis system. ISBN:978-81- 976079-7-4
6.	Bhatt S.B., Dhawale R.N.(2024).Virology Detection Technology.ISBN:978-81- 976079-7-4.
7.	Dr. Jay Khaniya (2025). Importance of Preserving Landraces in Modern Crop Breeding. <i>Agri Articles</i> , 05(01): 262-264.
8.	Dr. Jay Khaniya (2025). Big Data and Breeding: Revolutionizing Crop Improvement. <i>Agri Articles</i> , 05(01): 265-267.
9.	ડૉ. શ્રદ્ધાઆર. પરમાર(જિલ્લાટેકનિકલમદદનીશ, NFSM કોળપ્રોજેક્ટ, પોરબંદર), પૂજાબી. નકુમ (વિષયનિષ્ણાત-કૃષિવિસ્તરણ),કૃષિવિજ્ઞાનકેન્દ્ર- ગીરસોમનાથ.તા.28 ડિસેમ્બર૨૦૨૪, ઔષધિયવનસ્પતિઓનીમાનવજીવનમાંઉપયોગીતા, કૃષિપ્રભાત.
Year 2025-26	
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3.	ડૉ. શ્રદ્ધાઆર. પરમારઅનેકુ. જીગીષાપી. વ્યાસ(2025). પ્રાકૃતિકકૃષિ :શંકાઅનેસમાધાન. The Science World a Monthly Magazine, ISSN:2583-2212, VOL.5(7), 8103-8112.
4.	Bhatt, S.B.,Gajera, H.P. andParakhia, M.V.(2025).Principles and Practices of Natural Farming.ISBN: 978-81-989311-6-0.
5.	Bhattacharya, S., Vala, A. andTomar, R. S. (2025). Genetics, genomics, and breeding of dill. In Genetics, Genomics and Breeding of Seed Spices (pp. 97–112).
6.	Tomar, R. S., Vala, A., and Pandey, S. (2025). Advances in ajwain genetics, genomics, and breeding: Exploring the potential for improved health and crop productivity. In Genetics, Genomics and Breeding of Seed Spices (pp. 1–12).
7.	ડૉ.પી.કે.ઉકાણી,એ.આર.જાપડા, જી. ડી. ગુણા, ડૉ. એમ.વી.પારખીયા. શેરડીની સફેદ માખી નું સંકલિત વ્યવસ્થાપન, કૃષિ પ્રભાત, ૧૩, જુલાઈ-૨૦૨૫.
8.	ડૉ.પી.કે.ઉકાણી,એ.આર.જાપડા,જી.ડી.ગુણા, ડૉ. એમ.વી.પારખીયા. શેરડીની સફેદમાખીનાપરભક્ષીદાળિયાકીટકો, કૃષિ પ્રભાત, ૧૩, જુલાઈ-૨૦૨૫.
9.	Guna, G. D. and Ukani, P. K. (2025). Innovative methods in plant propagation and biotechnology. In <i>Agricultural Science and Technology</i> (pp. 61-75).
10.	ડૉ. એમ.વી.પારખીયા,એ.આર.જાપડા, જી. ડી. ગુણા,ડૉ. એચ. આર.સોઢાપરમાર. આધુનિક ખેતી પદ્ધતિમાં જૈવિક ખાતર અને જૈવિક જંતુનાશક નો ઉપયોગ, કૃષિ પ્રભાત, ૩૧,

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11.	દર્શનાજી હિરપરા, ઇલાએલ પિઠિયા, એચ પી ગજેરા. પાકસુરક્ષા માટે ખેતી માને નોટેકનોલોજીનો ઉપયોગ: એક નવી દિશા, કૃષિ પ્રભાત, ૧૭ ઓક્ટોબર, ૨૦૨૫.
12.	દર્શનાજી હિરપરા, જયદીપજી હિરપરા, એચ પી ગજેરા. એફલાટોક્સિન મુક્ત મગફળી: ટકાઉ ખેતી અને આરોગ્ય સુરક્ષા તરફ નું એક પ્રયત્ન, કૃષિ પ્રભાત, ૩૧ ઓક્ટોબર, ૨૦૨૫.
13.	Sharma. V., Kumari. A., Gajera. H.P., Bhatt S.B., Parakhia.M.V. (2025) " एआईसेसूक्ष्मजीवोंकाप्राकृतिकखेतीमेंअनुप्रयोग " in news paper Haldhar Times (KrushiAkhbar) on 08/12/2025 page no.5, Issue no:52.
14.	Jamod.N., Dodiya.R., Kalsariya N., Nakum M., Bhatt. S. B., Kumari, A., Parakhia. M. V. (2026) "विकासकीआधारशिलाजैवप्राकृतिकखेती" " Haldhar Times (KrushiAkhbar) on 09/03/2026 page no 5, Issue no: 13.
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16.	Bhatt S.B., Gajera H.P., Parakhia M.V. (2025). Principle and practice on natural farming. A book published by Agri Root publication House, Jaipur. ISBN:978-81-989311-6-0
17.	Khaniya J. and Parakhia M. V. (2026). Practical Manual on MBB 505 Omics and Systems Biology. A book published by Dr. Jay M. Khaniya, Dept. of Biotechnology, JAU, Junagadh. ISBN: 978-93-5717-478-7.
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19.	Dr. Jay M. Khaniya, Dr. G. U. Kulkarni, Dr. Y. V. Naghera, Dr. H. R. Sodhaparmar, Dr. H. B. Limbani and Dr. A. V. Barad. (2026). Participatory Breeding for Smallholder Farmers: Bridging the Gap between Science and Farmer Needs. <i>Agri Articles</i> , 06(02): 1032-1035. ISSN: 2582-9882.
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22.	Shruti N. Kyada, Yuvraj J. Bheda, Dr. Shraddha R. Parmar, Dr. H. R. Sodhaparmar and Dr. Jay M. Khaniya. (2026). Enzymology - Fundamental Concepts, Classification, Mechanisms, and Applications in Biological Systems. <i>Agri Articles</i> , 06(03): 269-275. ISSN: 2582-9882.
23.	Devanshi Limbani, Aastha Korat, Lovleen Kaur Bharaj, Hasti Kamani, Dr. M. V. Parakhia and Dr. J. M. Khaniya. (2026). A Comparative Review of Agarose Gel Electrophoresis and Polyacrylamide Gel Electrophoresis (PAGE) in Agricultural Biotechnology. <i>Agri Articles</i> , 06(03): 638-643. ISSN: 2582-9882.
24.	Vishva Shekhada, Chetna Parmar, Arjun Dudhatra, Jay Pansurya, Dr. M. V. Parakhia and Dr. Jay M. Khaniya. (2026). Preparation of Different Types of Standard Solutions and Buffers in Molecular Biology Laboratory. <i>Agri Articles</i> , 06(03): 664-671. ISSN: 2582-9882.
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