

Profile	
1. Name:	Dr. Ganesh Chandrakant Nikalje
2. D.O.B.:	20-11-1989
3. Mobile No:	9969462817
4. Email id:	ganesh.rkt5@gmail.com
5. Department:	Botany
6. Designation:	Assistant Professor
7. Date of Appointment:	5 th June, 2017
8. Date of Superannuation:	30 th November, 2049
9. Appointment Type:	Permanent
10. Education Qualification:	M.Sc. Ph.D. ICAR-NET, SET, GATE
11. Work Experience:	7 Years
12. Courses Taught:	F.Y.B.Sc. Botany, S.Y.B.Sc. Botany, T.Y.B.Sc. Botany, M.Sc. I Botany, M.Sc. II Cytogenetics and Biotechnology
13. Courses Developed:	NIL
14. Area of specialization/research:	Plant Stress Biology and Biotechnology
15. Achievements:	
A. Awards & Honors:	<p>1. Invited as Evaluator for Action Research Project for Dr. Homi Bhabha Balvaidnyanik Competition 2023 – 24 Conducted by Mumbai Science Teachers' Association for Std. IX at D. S. High School, Near Gurukrupa Hotel, Sion, Mumbai – 400022 on Sunday, 17th March 2024.</p> <p>2. Board of Studies (BOS) member in Botany subject at Shikshan Prasarak Sanstha's Sangamner Nagarpalika Arts, D. J. Malpani Commerce and B. N. Sarada Science College, Sangamner (Autonomous) from 2023-2024 to 2025-2026.</p> <p>3. Young Scientist Award 2023 received at National Conference on Innovations in S&T for future sustainability (ISTFS- 2023) jointly organized by Dr. Ambedkar College, Deekshabhoomi, Nagpur, India and ICAR-Central Institute for Cotton Research (CICR), Nagpur, India dated 4th March, 2023.</p> <p>4. Third Prize in Oral Presentation at International Conference organized by Department of Botany, Rayat Shikshan Sanstha's D. P. Bhosale College, Koregaon, District - Satara, 415501 on "Emerging Trends in Plant Sciences, Biodiversity Conservation, and Environment Sustainability" (ETPSBCES-2022) dated 9th and 10th November 2022.</p>

	<p>5. Best Researcher Award (2021-2022) received from International Journal of Microbial Science ISSN no- 2582-967X.</p>
	<p>6. Young Plant Scientist award 2021 received from Association of Plant Science Researchers (APSR), Plantica Foundation Dehradun, India.</p>
	<p>7. Guest Editor in Current Chemical Biology journal (Bentham and Science) Theme- “Plant Stress and Defence Metabolites at the interface of plant environment interaction”</p>
	<p>8. M. S. Swaminathan Research Excellence Award 2021 received from Association of Plant Science Researchers (APSR), Plantica Foundation Dehradun, India.</p>
	<p>9. Advisor in Two days International Conference on “Proceedings in Life Science” Organized by “International Journal of Microbial Science” on 1st and 2nd March 2021.</p>
	<p>10. Scientific Writing Trainer in 3 months Online Training Programme for Review and Research paper writing, organized by “International Journal of Microbial Science” dated 3rd January 2021 to 30th March 2021.</p>
	<p>11. Board of Studies (BOS) member in Botany subject at Tuljaram Chaturchand College, Baramati (Autonomous) from January 2019 to January 2022.</p>
	<p>12. DST-SERB Travel grant to attend “14th International Phytotechnologies Conference” organized by the International Phytotechnology Society held at Hotel Omni Montreal, Montreal, Canada, from 25th to 29th Sept. 2017.</p>
	<p>13. Research fellowship under Bhabha Atomic Research Centre- Savitribai Phule Pune University collaborative Ph.D. program, October 2012, funded by the Department of Atomic Energy, India (JRF from October 2012 and SRF from October 2014- October 2017).</p>
	<p>14. Best Poster Award in International Conference entitled, “Frontiers in Life and Earth Science.” Organized by Prof. R. M. College, Akurdi, Pune- 411035, On 18-19th January 2018.</p>
	<p>15. Invited guest lecturer at Botanical Survey of India, Pune for a talk on “Threats and Stress to Mangroves and their conservation strategies” under the Green Skill Development Programme of the Ministry of Environment, Forest and Climate Change, on 14th August 2018.</p>

B. Projects:	SERB- International Research Experience (SIRE) , Funded by Science and Engineering Board, Government of India. Title: Functional Analysis of Interacting Partners of CONSTANS, a Key Regulator in Controlling ROS Homeostasis under Salt Stress. For the year 2022-23. File no- SIR/2022/000391. Sanctioned amount- 16,05,687/-
	Minor Research Project (PI), University of Mumbai, Mumbai- 400032, March 2019. Title: “LC-MS based metabolic profiling of <i>Avicennia officinalis</i> L. and <i>Sonneratia apetala</i> L. for identification of bioactive compounds” for the year 2018-19. Completed. 16th March, 2019.
	Minor Research Project (Co-PI), University of Mumbai- 400032, March 2020. Title: “Identification of Allelochemicals from <i>Ocimum</i> sp and their impact on plants” for the year 2019-20. Completed.
C. Membership:	<ul style="list-style-type: none"> o Life Member of Mangrove Society of India o Life Member of Association of Fungal Biologist, India o Life Member of Next Gen Scientist Foundation, India
D. Resource person in Seminar/ Conferences/ Workshop Guest lecturers / Refresher Course Orientation/STC	Resource person at State Level Conference on “Innovative Prospects in Basic and Applied Plant Science” organized by Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune- 410505 on 27 th & 28 th December 2019.
	Resource person at Five Days Online Workshop on E-Content Development organized by Smt. Akkatai Ramgonda Patil Kanya Mahavidyalaya, Ichalkaranji, Kolhapur- 416115 on 27 th to 31 st May 2020.
	Orientation course: 169 th Orientation course conducted by UGC-HRDC, SPPU Pune 22/07/2019 to 11/08/2019 with ‘A’ grade
	Short term course- “Applications of Statistics in Research” conducted by HRDC-Mumbai, 14 th June- 19 th June, 2021.
	Refresher Course- “Biological Science” conducted by UGC-HRDC- Mumbai, 4 th January- 16 th January, 2021 with ‘A’ grade
	Faculty Development Programme- “Managing Online Classes and Co-creating MOOCS” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by PMMMMNMTT, 20 th April- 6 th May 2020.
E. Ph.D.:	Completed
F. Ph.D. Guideship:	Yes
G. Industry:	NA

H. Patents/Copyrights (Filed & Granted):	NIL
I. Others: (if any):	NCBI sequence submissions
	Nikalje GC , Srivastava AK, Sablok G, Nikam TD, Suprasanna P. 137 mRNA sequences of <i>Sesuvium portulacastrum</i> were submitted to NCBI (Accession numbers)
	Reference genes: KY056733- KY056770,
	Ion Transporters: KY315606- KY315642,
	Orthologous genes in Arabidopsis: KY426838- KY426890,
	miRNA Targets: KY434024- KY434042.
	Conference presentations
	1. Nikalje GC (2021) Metabolic Profiling of <i>Avicennia officinalis</i> and <i>Sonneratia apetala</i> for identification of bioactive compounds, poster presented in international conference in Research Interventions and Technological Advancements in Plant Sciences organized by S. P. K College Sawantwadi and Association of Plant Science Researchers, Deharadun, India, on 26 th and 27 th March, 2021 (Young Scientist Award).
	2. Nikalje GC (2019) Exploitation of a Mangrove associate, <i>Sesuvium portulacastrum</i> for eco-restoration and bioprospecting Oral Presentation in National Conference on- Mangroves and Coastal resources organized by Department of Botany, Shivaji University, Kolhapur, Mangroves Society of India, Goa and Mangrove Foundation, Mumbai, India, on 12 th April, 2019.
	3. Nikalje GC (2018) Looking at salt adaptation mechanism in the halophyte <i>Sesuvium portulacastrum</i> L. through the transcriptomic and metabolomic approaches, poster presented in International Conference on Frontiers in Life and Earth Sciences, organized by PDEA's Prof. Ramkrishna More Arts, Commerce and Science College, Pune, India dated 18 th and 19 th January, 2018 (Best Poster Award).
4. Nikalje GC (2018) Utilization of halophyte, <i>Sesuvium portulacarum</i> for sustainable biosaline agriculture, poster presented in DAE-BRNS Life Sciences Symposium 2018 on Frontiers in Sustainable Agriculture on organized by Bhabha Atomic Research Centre, Mumbai dated 26 th and 28 th April 2018.	
5. Nikalje GC , Srivastava AK, Sablok G, Nikam TD, Suprasanna P (2015) Integrating RNA transcriptome wide and microRNA analyses for the identification of molecular regulators associated with high salt	

	tolerance in <i>Sesuvium portulacastrum</i> (L.)” poster presented in 3 rd International Plant Physiology Congress 2015: Challenges and strategies in Plant Biology Research; Organized by Indian Society for Plant Physiology, Jawaharlal Nehru University, National Institute of Plant Genome Research on 11 th to 14 th December, 2015.
	6. Nikalje GC , Srivastava M, Nikam TD, Suprasanna P (2014) Cesium heavy metal accumulation in medicinally important halophyte: <i>Sesuvium portulacastrum</i> (L.) L.” In a national seminar entitled “National seminar on- Medicinal Plants – Bioprospecting, Agrotechnique, and Enhancement of Secondary Metabolites” organized by Department of Botany, Savitribai Phule Pune University, Pune- 411 007, On 30-31 st January, 2014.
	Workshops
	1. Attended Two days’ workshop on “Plant Taxonomy: Theory and Practices”, Organized by Department of Botany, Shivaji University, Kolhapur on 21 st and 22 nd February, 2022
	2. Attended Four Days Bioinformatics workshop on “RNA Seq data analysis” organized by Indian Women Scientists Association (IWSA) and Bencos, Mumbai, conducted by Dr. Konrad Forstner, Institute for Molecular Infection Biology (IMIB), University of Wurzburg, Germany at ICICI Multipurpose Hall, Vashi, Mumbai- 400703, on 13 th to 16 th February 2017.
	3. Attended Two days DBT Workshop on “Applications in Bioinformatics” sponsored by Department of Biotechnology (DBT), Govt. of India, organized by Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) at Tata Memorial Centre, Navi Mumbai- 410 210, on 23 rd and 24 th April 2015.
	4. Attended one day workshop on “Understanding of Origin and EndNote Software” organized by Centre for Sensor Studies, Savitribai Phule Pune University, Pune on 17 th October 2015.
	5. Attended One day workshop on “Camag HPTLC System” organized by CAMAG Switzerland recognized Applications Research Laboratory, Anchrom Enterprises (I) P. Ltd. Mumbai- 400 081, on 30 th December, 2013.
16. Publications*:	

A. Research Papers:

1. **Nikalje GC***, Srivastava AK, Shelake AM, Kadam US, Hong JC, Kim JY, Nikam TD, Suprasanna P (2023) Profiling of conserved orthologs and miRNAs for understanding their role in salt tolerance mechanism of *Sesuvium portulacastrum* L. *Mol Bio Rep* 50: 9731–9738. DOI: 10.1007/s11033-023-08892-6. (**Springer IF: 2.8**) ISSN 0301-4851.
2. **Nikalje GC***, Rajput VD, Ntatsi G (2023) Editorial: Putting wild vegetables to work for sustainable agriculture and food security. *Front Plant Sci*, 14, 1268231. DOI: 10.3389/fpls.2023.1268231. (IF: 5.6). ISSN no: 1664-462X.
3. Yadav K, **Nikalje GC**, Pramanik D, Suprasanna P, Rai MP (2023) Screening of the Most Effective Media for Bioprospecting Three Indigenous Freshwater Microalgae Species. *Int. J. Plant Biol.* 14, 558-570. (**MDPI, Citation: 02**) ISSN- 2037-0164.
4. Yadav K, Kumar S, **Nikalje GC***, Rai MP (2023) Combinatorial Effect of Multiple Variables on Carotenoids and Lipids Up-Regulation in *Monoraphidium* sp. for Pharmacological and Nutraceutical Applications. *Appl. Sci.* 2023, 13(10), 6107; DOI: 10.3390/app13106107. (**MDPI IF: 2.838, Citation: 03**). ISSN 2076-3417.
5. Shelke DB, Chambhare MR, **Nikalje GC***, Nikam TD (2023) Improvement of Soybean Crop for Yield, Stress Tolerance, and Value-Added Products Using a Transgenic Approach, *Advances in Agriculture*, vol. 2023, Article ID 8166928. DOI: 10.1155/2023/8166928. ISSN- 2356654X
6. Ghuge S[#], **Nikalje GC[#]**, Kadam US, Suprasanna P, Hong JC (2023) Comprehensive mechanism of heavy metal toxicity in plants, detoxification, and remediation. *J Hazard Mater* 450:131039. DOI: 10.1016/j.jhazmat.2023.131039. (**Elsevier IF: 14.227, Citations: 41**). (#Equal contribution). ISSN 0304-3894
7. ***Nikalje GC**, Srivastava M, Nikam TD, Suprasanna P (2022) Physiological responses and tolerance of halophyte *Sesuvium portulacastrum* L. to Cesium. *Advances in Agriculture* Volume 2022, Article ID 9863002 pp 1-7 (**Wiley Citations: 04**). ISSN- 2356654X
8. Saini N, ***Nikalje GC**, Zargar S, Suprasanna P (2021) Molecular insights into sensing, regulation and improving heat tolerance in plants. *Plant Cell Reports* 41(3):799-813. (**Springer IF: 4.57; Citations: 15**). ISSN- 07217714.

	<p>9. Sonawane HB, Ghule S, Math S, Shelke D, Nikalje GC (2021) <i>Rhizoctonia bataticola</i>: From plant pathogen to a potential source of pharmaceutically relevant metabolites. Current Research in Green and Sustainable Chemistry 4: 100171 (Elsevier, Citations: 04). ISSN 2666-0865</p>
	<p>10. *Nikalje GC, Zimare SB, Shelke DB (2021) Effect of elicitors on plant cell suspension culture for the enhancement of secondary metabolite production. N J Pharma Sci 1(1): 50-57. (Citation: 01).</p>
	<p>11. *Nikalje GC, Rajam P (2021) Wi-Fi Radiation Negatively Influences Plant Growth and Biochemical Responses of <i>Capsicum Annuum</i> L var. Pusa Jwala. Current Chemical Biology 15(2): 182-187. DOI: 10.2174/2212796814999201228193703 (Bentham and Science).</p>
	<p>12. Dhakane R, Deshpande A, Shinde A...,Nikalje GC, Jogdand A (2020) Identification And Confirmation of Unknown Meat Using Mitochondrial Cytochrome C Oxydase I (Co-I) Marker in DNA Barcoding Technology. European Journal of Molecular & Clinical Medicine, 7 (11): 8153-8172.</p>
	<p>13. Sonawane HB, Borde MY, Nikalje GC, Terkar A, Math SK (2020) HR-LC-MS based metabolic profiling of <i>Fusarium solani</i> a fungal endophyte associated with <i>Avicennia officinalis</i>. Current Research in Environmental & Applied Mycology (Journal of Fungal Biology) 10(1): 262–273 (Citations: 05). ISSN no 22292225.</p>
	<p>14. *Nikalje GC, Kumar J, Nikam TD, Suprasanna P (2019) FT-IR profiling reveals differential response of roots and leaves to salt stress in a halophyte <i>Sesuvium portulacastrum</i> (L.) L. Biotech. Rep. 23: e00352. (Elsevier, Citations: 31). ISSN 2215-017X.</p>
	<p>15. Shelke DB, Nikalje GC, Chambhare MR, Zaware BN, Suprasanna P, Nikam TD (2019) Na⁺ and Cl⁻ induce differential physiological, biochemical responses and metabolite modulations in vitro in contrasting salt-tolerant soybean genotypes. 3Biotech 9:91 (IF: 2.893 Springer; Citations: 30). ISSN 2190-5738</p>
	<p>16. Nikalje GC and Suprasanna P (2018) Coping with metal toxicity – cues from halophytes. Front. Plant Sci. 9:777. DOI: 10.3389/fpls.2018.00777. (IF: 5.753; Citations: 91). ISSN 1664462X</p>

	<p>17. Nikalje GC, Srivastava AK, Sablok G, Pandey GK, Nikam TD, Suprasanna P (2018) Identification and validation of <i>Sesuvium portulacastrum</i> reference genes for quantitative real-time PCR normalization under salt treatment. Plant Gene. 13:18-24. (Elsevier, Citations: 10). ISSN 2352-4073.</p>
	<p>18. Nikalje GC, Variyar PS, Joshi MV, Nikam TD, Suprasanna P (2018) Temporal and Spatial Changes in Ion homeostasis and accumulation of flavonoids and glycolipid in a halophyte <i>Sesuvium portulacastrum</i> (L.) L. Plos One 13(4): e0193394. DOI: 10.1371/journal.pone.0193394. (IF: 3.24; Citations: 35). ISSN 1932-6203.</p>
	<p>19. Nikalje GC, Srivastava AK, Pandey GK, Suprasanna P (2018) Halophytes in Biosaline Agriculture: mechanism, utilization and value-added products. Land Degradation and Development 29 (4): 1081-1095. DOI: 10.1002/ldr.2819 (Wiley, IF: 4.977; Citations: 137). ISSN 1099145X.</p>
	<p>20. Nikalje GC, Nikam TD, Suprasanna P (2017) Looking at Halophytic Adaptation to High Salinity through Genomics Landscape, <i>Current Genomics</i>, 18(6): 542 - 552 (Bentham and Science, IF: 2.63; Citations: 51). ISSN 13892029.</p>
	<p>21. Shelke DB, Padey M, Nikalje GC, Suprasanna P, Zaware BN, Nikam TD (2017) Salt responsive physiological, photosynthetic and biochemical attributes at early seedling stage for screening soybean genotypes. Plant Physiology and Biochemistry 118:519-528. (Elsevier, IF: 5.437; Citations: 50). ISSN 0981-9428</p>
	<p>22. Muchate N, Nikalje GC, Rajurkar N, Suprasanna P, Nikam TD (2016) Physiological responses of the halophyte <i>Sesuvium portulacastrum</i> to salt stress and their relevance for saline soil bio-reclamation, <i>Flora - Morphology Distribution Functional Ecology of Plants</i>. 224: 96-105. (Elsevier, IF: 2.22; Citations: 77). ISSN 0367-2530. https://doi.org/10.1016/j.flora.2016.07.009.</p>
	<p>23. Muchate N, Nikalje GC, Rajurkar N, Suprasanna P, Nikam TD (2016) Plant Salt Stress: Adaptive Responses, Tolerance Mechanism and Bioengineering for Salt Tolerance, Bot Rev 82 (4): 371-406. (Springer, IF: 4.581; Citations: 273). ISSN 18749372.</p>
	<p>24. Lokhande VH, Kudale S, Nikalje GC, Desai NS, Suprasanna P (2015) Hairy root induction and phytoremediation of textile dye, Reactive green 19A-HE4BD, in a halophyte, <i>Sesuvium portulacastrum</i></p>

	<p>(L.) L. Biotech Reports 8: 56–63. (Elsevier; Citations: 48). ISSN 2215-017X. https://doi.org/10.1016/j.btre.2015.08.002.</p> <p>25. Nikalje GC, Zimare SB, Malpathak NP (2013) A comparative pharmacognostic study on the leaf, stem and root components of <i>Gymnema sylvestre</i> (Retz) R. Br. Ex. Sm. Proceedings of the National Academy of Sciences, India - Section B: Biological Sciences 83 (1): 125-134. (Springer; Citations: 06). ISSN 0369-8211.</p>
B. Articles:	NA
C. Books/ Book chapters:	<p>Books</p> <p>1. Nikalje GC, Srivastava S, Chonde A, Suprasanna P (2024) Wild Vegetables: Morphology, Phytochemistry, and Utility. Bentham and Science. https://benthambooks.com/future-books-by-subject/life-sciences/sub-category/plant-science/ (Authored Book) (Submitted to Publisher).</p> <p>2. Nikalje GC, Shahnawaz M, Parihar J, Qazi HA, Patil VN, Zhu D (May 2024) Plant Secondary Metabolites and Abiotic Stress, Publisher- Scrivener Publishing, Wiley, United Kingdom (Edited Book) ISBN: 9781394185801 (Submitted to Publisher).</p> <p>3. Desai N, Nikalje GC (June 2024) Physiology of Halophytes: Signaling, Adaptation and Tolerance Mechanism, Apple Academic Press, Taylor and Francis group, USA. (Edited Book) ISBN: 9781774917350 (Submitted to Publisher).</p> <p>4. Nikalje GC (Assistant Editor), Frontiers in Life Sciences Vol III- by Bhumi Publications, ISBN: 978-81-953600-3-1. July 2021, pages: 1-163. https://www.bhumipublishing.com/wp-content/uploads/2021/07/Frontiers-in-Life-Science-Volume-III.pdf</p> <p>5. Nikalje GC (Assistant Editor), PLANTA Research Book Series- by Association of Plant Science Researcher (APSR) Plantica Foundation, Dehradun (U.K.) PLANTA- Vol.-7, October, 2023 (ISBN: 978-81-965701-8-7) pp 1-168. https://planticapub.files.wordpress.com/2024/01/planta-vol-7-oct.-2023.pdf</p> <p>6. Nikalje GC (Assistant Editor), PLANTA Research Book Series- by Association of Plant Science Researcher (APSR) Plantica Foundation, Dehradun (U.K.) PLANTA Vol. – 6, April 2023. https://pgrindias.in/current-volume/ ISBN: 978-81-953419-1-7. pp 1-282.</p>

	<p>7. Nikalje GC (Assistant Editor), PLANTA Research Book Series- by Association of Plant Science Researcher (APSR) Plantica Foundation, Dehradun (U.K.) PLANTA Vol. – 4, April 2022. https://planticapub.files.wordpress.com/2023/05/planta-vol.-6-april-2023.pdf pp 1-140.</p>
	<p>8. Nikalje GC (Assistant Editor), PLANTA Research Book Series- by Association of Plant Science Researcher (APSR) Plantica Foundation, Dehradun (U.K.) ISBN: 978-81-953419-0-0. PLANTA Vol. – 5, October 2022. https://planticapub.files.wordpress.com/2022/12/planta-vol.-5-october-2022.pdf pp 1-79.</p>
	<p>Book Chapters</p>
	<p>1. Trivedi M, Raul D, *Nikalje GC (2024) Role of Halophyte-Microbes Duo in Environmental Clean-Up. In Physiology of Halophytes: Signaling, Omics, and Tolerance Mechanisms. Desai and Nikalje (Eds). Apple Academic Press (Accepted).</p>
	<p>2. Shelke DB, Chambhare MR, More K, Sonawane HB, *Nikalje GC (2024) Endophyte-Assisted Salinity Tolerance in Halophytes. In Physiology of Halophytes: Signaling, Omics, and Tolerance Mechanisms. Desai and Nikalje (Eds). Apple Academic Press (Accepted).</p>
	<p>3. Raul D, Pawar GP, Telave AB, Patil JR, *Nikalje GC (2024) Habitat, Growth Response, and Adaptation Under Salinity in <i>Sonneratia</i> Sp. In Physiology of Halophytes: Signaling, Omics, and Tolerance Mechanisms. Desai and Nikalje (Eds). Apple Academic Press (Accepted).</p>
	<p>4. Bhusare BP, Nikalje GC, Sanap RR, Kale AD (2024) Potential Role of Halophytes in Environmental Clean-Up. In Physiology of Halophytes: Signaling, Omics, and Tolerance Mechanisms. Desai and Nikalje (Eds). Apple Academic Press (Accepted).</p>
	<p>5. Mhatre KJ, Patil JR, *Nikalje GC (2024) Role of Flavonoids in Vasodilation. In: The Flavonoids: Extraction and Applications. Saini et al. (Eds). Apple Academic Press pp 245-262. Hard ISBN: 9781774913772.</p>
	<p>6. *Nikalje GC, Patade VY, Mirajkar SJ, Suprasanna P (2024) Applications of radiations and mutagenesis for the enhancement of plant secondary metabolites. In <i>In vitro</i> Production of bioactive phytochemicals of medicinal value: A comprehensive treatise (Eds. P. B. Kavi Kishor, Suprasanna P, T. Pullaiah, A. R Rao). Elsevier.</p>

	<p>7. Sarsu F, Penna S, Nikalje GC (2023) Strategies for Screening Induced Mutants for Stress Tolerance. In: Mutation Breeding for Sustainable Food Production and Climate Resilience. Suprasanna and Jain (Eds) Springer Nature Singapore. pp. 151-176. ISBN- 978-981-16-9719-7 (Citations: 04).</p>
	<p>8. Patil JR, Ghane SG, *Nikalje GC (2023) Bioactives and Pharmacology of <i>Avicennia marina</i> In: Phytochemistry and Pharmacology of Medicinal Plants, 2-volume. Pullaiah T (eds) Apple Academic Press pp 375-386. ISBN 9781774911730</p>
	<p>9. Patil JR, Ghane SG, *Nikalje GC (2023) Bioactives and Pharmacology of <i>Derris scandens</i> (Roxb.) Benth. In: Bioactives and Pharmacology of Legumes. Pullaiah T (eds) Apple Academic Press pp 191-200. ISBN 9781774911266.</p>
	<p>10. Patil JR, Ghane SG, *Nikalje GC (2023) Biomolecules and Pharmacology of <i>Hortia</i> Sp. (Family: Rutaceae). In; Biomolecules and Pharmacology of Medicinal Plants, 2-volume set. Pullaiah T (eds) Apple Academic Press pp 211-220. Hard ISBN: 9781774910764.</p>
	<p>11. Trivedi M, Kedari S, *Nikalje GC (2022) Role of Nanoparticles in Remediation of Contaminated Soil. In: The Role of Nanoparticles in Plant Nutrition under Soil Pollution, Sustainable Plant Nutrition in a Changing World. V. D. Rajput et al. (eds.). Springer Cham pp. 353-370 (Citation: 02). Hardcover ISBN 978-3-030-97388-9.</p>
	<p>12. Saddhe A, Manuka R. Nikalje GC, Suprasanna P (2021) Halophytes as a Potential Resource for Phytodesalination. In Handbook of Halophytes: From Molecules to Ecosystems towards Biosaline Agriculture. Grigore MN. (eds) Springer, Cham pp-1-21 (Citation: 17). ISBN: 978-3030576349.</p>
	<p>13. Patade VY, Nikalje GC, Srivastava S (2020) Role of Thiourea in Mitigating Different Environmental Stresses in Plants. In: Protective Chemical Agents in the Amelioration of Plant Abiotic Stress: Biochemical and Molecular Perspectives, Roychoudhury and Tripathi (Eds). Wiley Online Library Pp- 467-482 (Citation: 13). Print ISBN:9781119551638.</p>
	<p>14. Shelke DB, Nikalje GC, Nikam TD, Maheshwari P, Punita DL, Rao KRSS, Kavi Kishor PB, Suprasanna P (2019) Chloride (Cl⁻) Uptake, Transport, and Regulation in Plant Salt Tolerance. In: Molecular Plant Abiotic Stress:</p>

	<p>Biology and Biotechnology, First Edition. Eds. Roychoudhury and Tripathi, Wiley Online Library. Pp 241-267 (Citations: 18). ISBN: 978-1-119-46369-6.</p>
	<p>15. *Nikalje GC, Shelke DB, Yadav Kushi, Suprasanna P (2019) Halophytes: Prospective Plants for Future. In Ecophysiology, Abiotic Stress Responses and Utilization of Halophytes, Mirza Hasanuzzaman et al. (Eds): Springer, Singapore pp- 221-234. (Citations: 33). Hardcover ISBN 978-981-13-3761-1</p>
	<p>16. Nikalje GC, Saini N, Suprasanna P (2019) Halophytes and Heavy Metals: Interesting Partnerships. In Plant-Metal Interactions, Srivastava et al. (Eds): Springer, Cham pp- 99-118 (Citations: 05). Hardcover ISBN 978-3-030-20731-1.</p>
	<p>17. Nikalje GC, Yadav Kushi, Suprasanna P (2019) Halophyte Responses and Tolerance to Abiotic Stresses. In Ecophysiology, Abiotic Stress Responses and Utilization of Halophytes, Mirza Hasanuzzaman et al. (Eds): Springer, Singapore pp- 1-23. (Citations: 15). Hardcover ISBN 978-981-13-3761-1.</p>
	<p>18. Suprasanna P, Ghuge S, Patade VY, Mirajkar SJ, Nikalje GC (2018) Genomic Roadmaps for Augmenting Salinity Stress Tolerance in Crop Plants. Eds: Kumar et al. In Salinity Responses and Tolerance in Plants, Volume 2 Springer, Cham. pp- 189-216 (Citation: 15). Hardcover ISBN 978-3-319-90317-0</p>
	<p>19. *Nikalje GC, Mirajkar SJ, Nikam TD, Suprasanna P (2018) Multifarious Role of ROS in Halophytes: Signaling and Defense. In: Zargar S. et al. (eds.) Abiotic Stress-mediated Sensing and Signaling in Plants: An Omics Perspective, Springer pp 207-223. (Citations: 12). Hardcover ISBN- 978-981-10-7478-3.</p>
	<p>20. Shelke DB, Nikalje GC, Sahoo PK (2017) Salt Stress Responses of Glycophytic Rice and Halophytic Rice: Physiological, Biochemical, and Molecular Aspects. In: Verma et al. (eds.) Rice Science Biotechnological and Molecular Advancements. Eds. Apple Academic Press pp. 53-68. ISBN 9781774633908</p>
	<p>21. Suprasanna P, Nikalje GC, Rai AN (2016) Osmolyte accumulation and implications in plant abiotic stress tolerance. In: Iqbal N. et al. (eds.) Osmolytes and plants acclimation to changing environment: emerging omics technologies, Springer</p>

	1-12 (Citation: 119). Hardcover ISBN 978-81-322-2615-4
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D. Others	<p>Editor (10 Journals): Frontiers in Plant Science (Frontiers IF:5.753), Peer J (IF 3.061), Current Chemical Biology (Bentham and Science), Advances in Agriculture (Hindawi Publications), American Journal of Plant Biology (Science Publishing Group), International Journal of Botany Studies, Annals of Plant Sciences, National Journal of Pharmaceutical Science (AkiNik Publications), International Journal of Microbial Science, Planta Research Book Series.</p> <p>Reviewer (48 Journals): Trends in Environmental Analytical Chemistry (IF: 13.622), Ecotoxicology and Environmental Safety (Elsevier IF: 7.129), Frontiers in Plant Science (Frontiers IF: 6.627), Pharmaceutics (MDPI IF 6.525), International Journal of Molecular Science (MDPI IF: 6.208), Biomolecules (MDPI IF: 6.064), Environmental and Experimental Botany (Elsevier IF: 5.547), Bio-protocol (Bio-protocol IF: 5.780), Science of Total Environment (Elsevier IF: 5.589), Journal of Plant Growth Regulation (Springer IF: 5.22), Molecules (MDPI IF 4.927), Journal of Plant Growth Regulation (Springer IF:4.640), Toxics (MDPI IF 4.472), Industrial Crops and Products (Elsevier IF: 4.244), Genes (MDP IF: 4.141), Scientific Report (Nature IF: 4.12), Agronomy (MDPI IF: 3.949), Water (MDPI: IF 3.53), Agriculture (MDPI IF: 3.408), Sustainability (MDPI IF: 3.885), Plant Cell Reports (Springer IF: 3.825), Plos One (IF: 3.752), Photosynthesis Research (Springer IF: 3.429), Forests (MDPI IF: 3.282), Life (MDPI IF: 3.253), Physiologia Plantarum (Wiley Online Library IF: 3.0), Fungal Genetics and Biology (Elsevier IF: 3.0), Atmosphere (MDPI IF: 3.110), South African Journal of Botany (Elsevier IF: 3.1), Journal of Radiation Research & Applied Sciences (Taylor & Francis IF:2.97), Applied Science (MDPI IF: 2.838), Gene (Elsevier IF: 2.638), International Journal of Phytoremediation (Taylor and Francis IF: 2.237), BioMed Research International (Hindawi IF: 2.197), Physiology and Molecular Biology of Plants (Springer IF: 2.005), All Life (Taylor and Francis IF 2.0), Acta Physiologie Plantarum (Springer IF: 1.608), Natural Resource Forum (Wiley IF: 1.436), Biologia (Springer IF 1.35), Food Bioengineering (Wiley Online Library), Plant Nano Biology (Elsevier), Advances in Agriculture (Hindawi), Biocatalysis and Agricultural Biotechnology (Elsevier), Environmental Sustainability (Springer), Journal of Cotton Research (Springer), Current Enzyme Inhibition (Bentham and Science),</p>
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17. Passport size photograph

