

NAME	Dr. Deepak Ganjewala		
DESIGNATION	Professor (F.S.A.B)		
EMAIL ID	dganjewala@amity.edu ; deepakganjawala73@yahoo.com		
CONTACT NUMBER	91-9540541376		
RESEARCH INTERESTS	Plant Secondary Metabolite Technology		
EDUCATIONAL QUALIFICATIONS:			
Name of College / University	Degree	Year	
Indian Institute of Technology, Kanpur, under NPTEL	Certificate course in “Functional Genomics”	2020	
Central Institute of Medicinal and Aromatic Plants (CIMAP), and University of Lucknow, Lucknow	Ph.D.	2002	
Devi Ahilya Vishva Vidyalaya, Indore, M.P.	M.Sc. Biochemistry	1996	
Dr. Harisingh Gour University, Sagar, M.P.	B.Sc. Biology	1994	
Title of Ph.D. thesis: “Biochemical and molecular characterization of geraniol rich lemongrass (<i>Cymbopogon flexuosus</i> Nees ex Steud) Wats mutant cv. GRL-1”			
EXPERIENCE (in chronological order): Total 20 Years Research & Teaching			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Professor	Teaching, Research, Administration	Amity Institute of Biotechnology, Amity University, Noida 201303 (U.P.)	01/03/2019 to till date
Associate Professor	Teaching, Research, Administration	Amity Institute of Biotechnology, Amity University, Noida 201303 (U.P.)	01/06/2017 to 28/02/2019
Assistant Professor Gr-III	Teaching, Research	Amity Institute of Biotechnology, Amity University, Noida 201303 (U.P.)	01/11/2011 to 31/05/2017
Assistant Professor	Teaching, Research	Amity Institute of Biotechnology, Amity University, Noida 201303 (U.P.)	14/05/2010 to 31/10/2011
Assistant Professor Sr.`	Teaching, Research	VIT University, Vellore 632014 (T.N.)	01/01/2009 to 14/05/2010
Senior Lecturer	Teaching, Research	VIT University, Vellore 632014 (T.N.)	01/07/2007 to 31/12/2008
Lecturer	Teaching, Research	VIT University, Vellore 632014 (T.N.)	01/07/2007 to 30/06/2007
Assistant Professor	Teaching, Research	College of Life Sciences, Gwalior	07/03/2005 to 02/05/2006
Lecturer	Teaching, Research	Sai Institute of Paramedical and Allied Sciences, Dehradun-248 161 (U.A.)	26/08/2004 to 06/03/2005
Lecturer	Teaching, Research	Sardar Bhagwan Singh Post Graduate Institute of Biomedical Sciences and Research, Balawala, Dehradun-248 161 (U.A.)	06/09/2003 to 26/08/2004
No. of Ph.D. students supervised		02 Ongoing	

	05 Awarded/submitted
No. of Post-Doc	02
No. of M.Tech. Students supervised:	30
No. of B.Tech. Students supervised:	100
PUBLICATIONS:	<u>Research papers:</u> 1. Kapoor, Kashyap H, Ganjewala D*, Bansal H*, (2025) Exploring antiepileptic phytochemicals of <i>Ferula assafoetida</i> and underlying molecular mechanism using a combined approach of network pharmacology and molecular docking. Journal of Herbal Medicine, 101033, https://doi.org/10.1016/j.hermed.2025.101033. 2. Mittal, R., Srivastava, G., Verma, P.C. Ganjewala D*, (2025) Microbial biotransformation of geranyl acetate using <i>Pseudomonas fluorescens</i> strain MTCC2421 and investigations of the underlying pathways. Microbiology 94, 245-253. https://doi.org/10.1134/S0026261724608236. 3. Srivastava G, Mittal R, Srivastava N, Srivastava S, Ganjewala D* (2025) Biotransformation of vinblastine into vincristine using a fungal endophyte <i>Fusarium equiseti</i> along with the assessment of its antiangiogenic properties. Zeitschrift für Naturforschung C, 2025. https://doi.org/10.1515/znc-2024-0263 4. Srivastava, G., Mittal, R., Srivastava, N, Ganjewala D*, (2024) Exploring the potential of two <i>Pseudomonas</i> species to produce vincristine from vinblastine via biotransformation. Scientific Reports 14, 19652. https://doi.org/10.1038/s41598-024-70571-8. IF 3.8 ISSN · 2045-2322. 5. Srivastava G, Mukherjee E, Mittal R, Ganjewala D* (2024) Geraniol and citral: recent developments in their anticancer credentials opening new vistas in complementary cancer therapy. Zeitschrift für Naturforschung C. 79(7-8): 163-177. https://doi.org/10.1515/znc-2023-0150. ISSN: 1865-7125, IF 1.8 6. Srivastava G, Ganjewala D*, (2024) An update on the emerging neuroprotective potential of Moringa oleifera and its prospects in complimentary neurotherapy. Phytomedicine Plus, 4(2): 100532. https://doi.org/10.1016/j.phyplu.2024.100532. ISSN: 0944-7113 7. Mittal R, Srivastava G, Ganjewala D* (2024). Screening of microorganisms capable of biotransforming certain monoterpenes using substrate toxicity test. Journal of Pure and Applied Microbiology. Article 8862. doi: 10.22207/JPAM.18.1.33. ISSN. 09737510, IF 1.0 8. Gurminder Kaur, Surjeet Kumar, Arya Babita Singh, Sanchita Singh, Sushmita Sushmita, Gauri Saxena, Deepak Ganjewala, Praveen C Verma (2023). Comparative transcriptional analysis of metabolic pathways and mechanisms regulating essential oil biosynthesis in four elite Cymbopogon spp. International Journal of Biological Macromolecules, 229:243-251. IF: 8.2, ISSN · 0141-8130 9. Srivastav A, Shukla A, Singhal RK, Saini K, Shrivastava S, Deepak Ganjewala, Srivastava M. (2022). Evaluation of effect of zinc oxide nanoparticles on growth and

- biochemical responses of rice (*Oryza sativa* L.) plants, Trends in Sciences, 20(9):5558. IF:1.2, ISSN 2774-0226
10. Ruchika Mittal, Gauri Srivastava, Deepak Ganjewala* (2022). An update on the progress of microbial biotransformation of commercial monoterpenes. Zeitschrift für Naturforschung C. 77(5-6):225-240. <https://doi.org/10.1515/znc-2021-0192>. IF:1.9, ISSN: 1865-7125
 11. Hina Bansal, Vasula Sri Sai Pravallika, Gauri Srivastava, Deepak Ganjewala* (2022). Bioactivity assessment of essential oils of Cymbopogon species using a network pharmacology approach. Biologia Futura. 73(1):107-118. <https://doi.org/10.1007/s42977-022-00111-w>. IF:1.2, ISSN: 0236-5383
 12. Priyanka Ray Choudhury, Tapoja Saha, Sachin Goel, Janvi Manish Shah, **Deepak Ganjewala*** (2022) Cross-Species virus transmission and its epidermal pandemic potential. Bulletin of the National Research Center. 46,18. <https://doi.org/10.1186/s42269-022-00701-7>. IF: NA, ISSN 2522-8307
 13. Srivastav A, **Ganjewala D**, Singhal RK, Rajput VD, Minkina T, Voloshina M, Srivastava S, Shrivastava M. (2021) Effect of ZnO Nanoparticles on growth and biochemical responses of wheat and maize. Plants. 10(12):2556. <https://doi.org/10.3390/plants10122556>. IF4.67. ISSN 2223-7747
 14. Gurminder Kaur, Deepak Ganjewala*, Vidisha Bist, Praveen C. Verma (2019). Antifungal and larvicidal activities of two acyclic monoterpenes; citral and geraniol against some phytopathogenic fungi and insects. Archives of Plant Pathology and Protection 52 (5-6) 458-469. ISSN 03235408, 14772906 IF 0.74
 15. Gurminder Kaur, Surjeet Kumar Arya, Babita Singh, Sanchita Singh, Yogeshwar Vikram Dhar, Praveen C. Verma, Deepak Ganjewala (2019). Transcriptome analysis of the palmarosa Cymbopogon martini inflorescence with emphasis on genes involved in essential oil biosynthesis. Industrial Crops and Products 140, 111602. ISSN: 0926-6690. IF6.58
 16. Rai A, Singh AM, Ahlawat AK, Kumar RR, Raghunandan K, Saini S, Ganjewala D, Shukla RB (2019). Quality evaluation of near isogenic lines of the wheat variety carrying Sr26, Lr19 and Yr10 genes. Journal of Cereal Science, 88: 110-117. ISSN 0733-5210. 10.1016/j.jcs.2019.05.009, 09/05/2019 IF 3.64
 17. Anjali Rai, Anju-Mahendru Singh, Deepak Ganjewala, Rajeev Ranjan Kumar, Arvind Kumar Ahlawat, Sumit Kumar Singh, Poornima Sharma, Neelu Jain (2019). Rheological Evaluations and Molecular Marker Analysis of Cultivated Bread Wheat Varieties of India. Journal of Food Science and Technology. 56(4):1696-1707. ISSN 0022-1155. IF 2.70. 31 Jan 2019
 18. Anjali Rai, Anju Mahendru-Singh, K. Raghunandan, Tej Pratap Jitendra Kumar, Poornima Sharma, Arvind K. Ahlawat, Sumit K. Singh, Deepak Ganjewala, R. B. Shukla, M. Sivasamy(2019). Marker aided transfer of PinaD1a gene to develop soft grain wheat cultivars. 3C Biotech. 9:183.

19. Anjali Rai, Deepak Ganjewala, Sumit Kumar Singh, Tej Pratap Jitendra Kumar, Poornima Sharma, Neelu Jain, Anju Mahendru-Singh (2017). Molecular detection of rust resistant geneLr34/Yr18 and quality genes in Indian wheat varieties. *Green Farming*. 8 (5): 1056-1061. ISSN (P) :0974-0775 IF 0.47
20. Malhotra C, Kapoor RT, Ganjewala D, Singh NB (2018). Effect of sodium silicate on the growth and physiological attributes of tomato. *Green Farming* 9 (2): 290-295. ISSN (P): 0974-0775. IF 0.47
21. Ashish Kumar Gupta and Deepak Ganjewala (2017). Purification and characterization of the 1-deoxy-D-xylulose-5-phosphate synthase from *Cymbopogon flexuosus*. *Acta Biologica Szegediensis* 61 (2): 149-156. ISSN: 1588-4082. IF 0.52
22. Malhotra, C., Kapoor, R.T., Ganjewala, D., Singh, N.B. (2017). Sodium silicate mediated response of antioxidative defense system in *Lycopersicon esculentum* mill. under water stress. *International Journal of Phytomedicine* 9: 364-378. ISSN 0975-0185
23. Girish Sharma, I. Vivek, Ashish Kumar Gupta, Deepak Ganjewala, Charu Gupta, Dhan Prakash (2017). Phytochemical composition, Antioxidant and Antibacterial potential of Underutilized parts of some fruits. *International Food Research Journal* 24 (3): 1167-1173. ISSN (Online): 2231 7546 IF 1.09
24. Ashish Kumar Gupta, Ritam Muhury and Deepak Ganjewala (2016). A study on antimicrobial activity of essential oils different cultivars of lemongrass (*Cymbopogon flexuosus*). *Pharmaceutical Science*, 22: 164-169. eISSN: 2383-2886 IF 1.7
25. Chanchal Malhotra, Riti Thapar Kapoor, Deepak Ganjewala (2016). Alleviation of abiotic and biotic stresses in plants by silicon supplementation. *Scientia Agriculturae*, 13 (2), 59-73. ISSN 2311-0228.
26. Chanchal Malhotra, Riti Thapar Kapoor and Deepak Ganjewala (2016). Protective role of sodium silicate against water stress in *Lycopersicon esculentum* mill. *International Journal of Pharm and Bioscience*, 7(4): (B) 909 -917. ISSN 0975-6299
27. Ashish Kumar Gupta and Deepak Ganjewala (2015). Developmental regulation of essential oil content and composition in *Cymbopogon flexuosus* cultivar suvarna. *Acta Biologica Szegediensis* 59(2): 119-125. ISSN: 1588-4082 IF 0.57
28. Ashish Kumar Gupta and Deepak Ganjewala (2015). A study on biosynthesis of 'citral' in lemongrass (*Cymbopogon flexuosus*) cv. suvarna. *Acta Physiologiae Plantarum* 37:240-248. ISSN 01375881 IF 1.76
29. Ashish Kumar Gupta, Ruchika Mittal, and Deepak Ganjewala (2015). Synthesis of silver nanoparticles using lemongrass (*Cymbopogon flexuosus*) leaf extracts and their antibacterial properties. *International Journal of Plant Science and Ecology*, 1(5): 225-230
30. Shiv Kumar, Ashish Kumar Gupta and Deepak Ganjewala (2015). Phylogenetic relationship of apicomplexans based on

	In silico analysis of 2-C-methyl-D-erythritol-4-phosphate (MEP) pathway enzymes. International Journal of Bioinformatics and Biomedical Science 1 (2): 123-129. 31. Ashish Kumar Gupta and Deepak Ganjewala (2015). Geranyl acetate esterase (GAE) inhibitory activity of <i>Neolamarckia cadamba</i> fruit extract. Acta Biologica Szegediensis. 59(1): 59-63. ISSN: 1588-4082 IF 0.57 32. Ashish Kumar Gupta and Deepak Ganjewala (2015) Purification and characterization of the 1-deoxy-D-xylulose-5-phosphate reductoisomerase from <i>Cymbopogon flexuosus</i> leaves. Research Journal of Pharmacy and Technology 8(3): 320-327. ISSN 09743618 33. Deepak Ganjewala, Ruchika Mittal, Ashish Kumar Gupta, Martha Premlatha and Ritika Dawar (2014). Antibacterial properties of lemongrass (<i>Cymbopogon flexuosus</i> Steud) Wats essential oils in single form and combination of honey against multi drug resistant pathogenic bacteria. Journal of Biologically Active Products from Nature 4 (4): 278-285. ISSN 22311866. IF 1.21 34. Ashish Kumar Gupta, Deepak Ganjewala, Navodit Goel, Namrata Khurana, Saradindu Ghosh, Abhishek Saxena (2014). Bioremediation of tannery chromium: A microbial approach. Research Journal of Pharmacy and Technology 7(1):118-122. ISSN 0974-3618 35. Deepak Ganjewala and Ashish Kumar Gupta (2013). Phytochemical composition and antioxidant properties of leaf and fruit methanol extract of Kadam (<i>Neolamarckia cadamba</i> Roxb.) tree. Journal of Biologically Active Products from Nature 3(4): 232-240. ISSN 22311866 IF 1.21 36. Deepak Ganjewala and Ashish Kumar Gupta (2013). A study on phytochemical composition, antibacterial and antioxidant properties of different parts of Indian devil tree (<i>Alstonia scholaris</i> Linn.) R. Br. Advanced Pharmaceutical Bulletin 3(2): 379-384. ISSN 2228-5881 IF 0.77 37. Deepak Ganjewala, Ashish k. Gupta and Ritam Muhury (2012) An update on bioactive potential of a monoterpene aldehyde citral. Journal of Biologically Active Products from Nature, 2(4), 186-199. ISSN 22311866 38. Deepak Ganjewala, Asha Devi S., Ashwani Kumar Srivastava (2011) An update on chemical composition and bioactivities of <i>Acorus</i> species. Asian Journal of Plant Science 10 (3): 182-189. eISSN: 1812-5697 39. Deepak Ganjewala and Ashwani Kumar Srivastava (2011) Recent progress on chemical composition and bioactivities of <i>Bacopa monnieri</i> (Linn.) a plant of Ayurveda. Journal of Medicinal and Aromatic Plant Science Biotechnology, 5(2), 02-108. ISSN: 1752-3389 40. Deepak Ganjewala, Asha Devi S and Ashwani Kumar Srivastava (2011) Tissue specific variation in biochemical composition of leaf and rhizome tissue of <i>Acorus calamus</i> (L.). International Journal of Plant Biology 2(e4): 12-14. ISSN 20370164 41. Asha Devi S and Deepak Ganjewala (2011) Antioxidant activities of methanolic extracts of <i>Acorus calamus</i> (L.) rhizome and leaves. Journal of Herbs, Spices and Medicinal Plants. 17: 1-11. ISSN 1540-3580 IF 1.2
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42. Deepak Ganjewala, Shiv Kumar, Asha Devi S, Kumari Ambika, (2010) Advances in cyanogenic glycoside biosynthesis and detection in plants: A review. *Acta Biologica Szegediensis* 54(1): 1-14. ISSN: 1588-4082 IF 0.57
43. Deepak Ganjewala and Rajesh Luthra (2010) Essential oil biosynthesis and regulation in genus *Cymbopogon*. *Natural Product Communications* 5(1):163-172. ISSN 15559475, IF 1.5
44. Deepak Ganjewala, Chappidi Nagaraja, Manas Ranjan Nayak, S. Asha Devi (2010) Effects of sodium nitroprusside on activity of acid and alkaline invertases and alkaline phosphatase in lemongrass (*Cymbopogon flexuosus* Steud) Wats. *International Journal of Plant Biology* 1 (e2): 9-12. eISSN 2037-0164
45. Deepak Ganjewala (2009) *Cymbopogon* Essential oils: Compositions and Bioactivities. *The International Journal of Essential Oil Therapeutics* 3 (2-3): 1-10. ISSN 19614209
46. Shalini Kakarla and Deepak Ganjewala (2009) Antimicrobial activities of essential oils of lemongrass (*Cymbopogon Flexuosus* Steud) var. Krishna, Cauveri, Nima and Cheerharit. *Medicinal and Aromatic Plant Science Biotechnology*, 3 (sp1): 107-109.
47. Deepak Ganjewala and Rajesh Luthra (2009) Geranyl acetate esterase controls and regulates the level of geraniol in lemongrass (*Cymbopogon flexuosus* Nees ex Steud) Mutant cv. GRL-1 leaves. *Z. Naturforsch* 64c: 251-259. ISSN 0939-5075 IF 1.33
48. Deepak Ganjewala, Shiv Kumar and Rajesh Luthra (2009) An account of cloned genes of methyl-erythritol-4-phosphate pathway of isoprenoid biosynthesis in Plants. *Current Issues in Molecular Biology*, S1: 34-44. ISSN 1467-3037 IF 2.69
49. Deepita Bhakta and Deepak Ganjewala (2009) Effects of leaf position on total phenolics, flavonoids and proanthocyanidines and their antioxidant activities in *Lantana camara* (L.). *Journal of Scientific Research*, 1 (2): 363-369. ISSN 2070-0237
50. Deepak Ganjewala (2009) RAPD characterization of three selected cultivars OD-19, GRL-1 and Krishna of East Indian lemongrass (*Cymbopogon flexuosus* Nees ex Steud) Wats. *American Eurasian Journal of Botany* 2 (1): 37-41. ISSN 1995-8951
51. Deepak Ganjewala (2009) Prevalence of cancers in some parts of Madhya Pradesh and Uttar Pradesh. *Academic Journal of Cancer Research*, 1 (2): 12-18.
52. Asha Devi and Deepak Ganjewala (2009) Antimicrobial properties of *Acorus calamus* (L.) rhizome and leaves extract. *Acta Biologica Szegediensis* 53 (1): 45-49. ISSN: 1588-4082 IF 0.57
53. Deepak Ganjewala, Silviya Sam, Kishwar Hayat Khan (2009) Biochemical compositions and antibacterial activities of *lantana camara* (l.) plants bearing yellow, lavender, red and white colour flowers. *EurAsian Journal of Biosciences*, 3: 69-77. e-ISSN 1307-9867 IF 0.69
54. Priya K. and Deepak Ganjewala (2009) Preliminary characterization of melanin isolated from fruits and seeds of

- Nyctanthes arbor-tristis. Journal of Scientific Research, 1 (3): 655-661. ISSN 2070-0237 IF
55. Deepak Ganjewala, Sunil Boba and Raghavendra AS. (2008) Sodium nitroprusside affects the level of anthocyanin and flavonol glycosides accumulation in pea (*Pisum sativum* L. cv. Arkel) leaves. Acta Biologica Szegediensis 52: 301-305. ISSN: 1588-4082 IF 0.57
 56. Deepak Ganjewala, Shiv Kumar, Kumari Ambika and Rajesh Luthra (2008) Plant Polyacetylenic Glycosides: Distribution, Biosynthesis and Biological Significance. Pharmacologyonline 2: 113-131. ISSN: 1827-8620 (IF 0.16)
 57. Manish Kumar, Pawan Preet Kaur and Deepak Ganjewala (2008) Isolation of Periplasmic Alkaline Phosphatase from Rhizobium bacteria. Research Journal of Microbiology, 3 (3): 157-162. pISSN: 1816-4935
 58. Rajesh Luthra, Ashok Shrivastava and Deepak Ganjewala (2007) Histochemical localization of citral accumulating site in lemongrass (*Cymbopogon flexuosus* Nees ex Steud) Wats cultivar OD-19. Asian Journal of Plant Science 6: 419-422. eISSN: 1812-5697
 59. Ashok Kumar and Deepak Ganjewala (2007) Antimicrobial properties of Osmanthus fragrance Lour. Research Journal of Medicinal Plants, 1 (1): 21-24. eISSN: 2151-7924
 60. Deepak Ganjewala and Rajesh Luthra (2007) Inhibitors of Essential Oil Biosynthesis in *Cymbopogon flexuosus* Nees ex. Steud. Mutant cv. GRL-1 leaves. American Journal of Plant Physiology. 2 (3): 227-232. eISSN: 1557-4547
 61. Deepak Ganjewala and Rajesh Luthra (2007) Essential oil Biosynthesis and metabolism of geranyl acetate and geraniol in developing *Cymbopogon flexuosus* Nees ex steud Wats mutant cv. GRL-1 leaf. American Journal of Plant Physiology. 2 (4): 269-275. eISSN: 1557-4547
 62. Deepak Ganjewala and Rajesh Luthra (2007) Identification of *Cymbopogon flexuosus* cultivars based on polymorphism in the esterase isozymes. Journal of Plant Science, 2(5): 552-557. eISSN: 1812-5697
 63. Priya K. and Deepak Ganjewala (2007) Antibacterial Activity of *Nyctanthes Arbor-tristis* (Lour.) Flowers, Leaves, Fruits and Seeds. Research Journal of Phytochemistry, 1 (2): 61-67. eISSN: 2151-6081
 64. Saroha SPS, Krishna Mehrotra, and Deepak Ganjewala (2017). Investigation of colorimetric and differential thermal analysis of rubidium soaps. International Journal of Chemical and Pharmaceutical Sciences, 8(2): 22-25
 65. Asha Devi S, Ganjewala Deepak, Subramanian Babu (2012) Anthelmintic activity of rhizome extract of *Acorus calamus* L. in comparison with beta and alpha asarone. Research Journal of Biotechnology, 7(4), 112-113. ISSN 22784535 (IF 0.293).
 66. Khan KH, Deepak Ganjewala and Jain S.K. (2008) Pretreatment with *Emblica officinalis* can reduce typhoid risks. Trendz BioTechnology 4: 15-21.
 67. Sarika Shiven Nair, Harish Reddy and Deepak Ganjewala (2008) Screening and characterization of biopolymers polyhydroxybutyrate producing bacteria. Advanced Biotechnology, VII (4): 13-18.
 68. Khan KH, Deepak Ganjewala and Bhaskara Rao KV (2008)

Recent advancement in typhoid research- a review. Advanced Biotechnology, VII (4): 35-41.

69. Deepak Ganjewala, Shrivastava A, and Luthra R. (2000) Ontogenic and seasonal variation in Bacoside-A accumulation in *Bacopa monnieri*. J. Med. & Aromt. Plant Sci., 22&23, 231-233. ISSN 0252-7125
70. Deepak Ganjewala, Ashok Shrivastava and Rajesh Luthra 2000. A tracer technique to evaluate Bacoside-A biosynthetic potential of *Bacopa monnieri* accessions. J. Med. & Aromt. Plant Sci., 22&23: 239-243. ISSN 0252-7125

Books/Chapters

71. Deepak Ganjewala*, Gauri Srivastava, Hina Bansal, Nidhi Srivastava (2024). Status Review of Emerging Neuroprotective Potential of *Moringa oleifera* and *Desmodium gangeticum*. Medicinal Plants for the Management of Neurodegenerative Diseases, 1st Ed., CRC Press. DOI:10.1201/9781003392941-12. ISBN 9781003392941
72. Deepak Ganjewala*, Hina Bansal, Ruchika Mittal, and Gauri Srivastava (2022). Unraveling of inhibitory potential of phytochemicals against SARS-CoV-2 using In-Silico approach. Herbal Medicines: A Boon for Healthy Human Life. Academic, Elsevier, 125 London Wall, London EC2Y 5AS, United Kingdom DOI: <https://doi.org/10.1016/B978-0-323-90572-5.00012-3>. ISBN: 978-0-323-90572-5
73. Deepak Ganjewala, Gurminder Kaur and Nidhi Srivastava (2019). Metabolic Engineering of Stress Protectant Secondary Metabolites to Confer Abiotic Stress Tolerance in Plants. S. P. Singh et al. (eds.), Molecular Approaches in Plant Biology and Environmental Challenges, Energy, Environment, and Sustainability. Springer-Nature Pvt. Ltd., Singapore. PP. 207-228. ISBN 978-981-15-0689-5
74. Gurminder Kaur and Deepak Ganjewala (2019). Stress Protectant Secondary Metabolites and their Metabolic Engineering to Enhance Abiotic Stress Tolerance in Plants. M. Kumar et al. (eds.), In vitro Plant Breeding towards Novel Agronomic Traits, Springer Nature Singapore Pvt. Ltd. PP. 197-216. ISBN 978-981-32-9824-8
75. Deepak Ganjewala, Gurminder Kaur, Praveen C. Verma (2019). An update on transcriptome sequencing of hairy root cultures of medicinally important plants. "Hairy Roots-an effective tool of plant biotechnology: genesis to application" [Dr(s) V. Srivastava, S. Mehrotra and S. Mishra; Eds]. Springer-NATURE Singapore Pvt. Ltd., Singapore. PP. 295-310. ISBN 978-981-13-2562-5
76. Deepak Ganjewala (2016). Secondary Metabolite Credentials and Biological Properties of Litchi Chinensis. Editors: Manoj Kumar, Vivek Kumar, Ram Prasad, Ajit Varma, The Litchi: Biotechnology, Springer-Verlag, Heidelberg, Germany. pp.213-242. ISBN 978-981-10-3644-6
77. Deepak Ganjewala (2009). Lemongrass Essential Oil: Biosynthesis and Regulation. VDM and Co. KG, Dudweiler Landstr, Saarbrucken, Germany. ISBN-NR: 978-3-639-

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78. Deepak Ganjewala and Ashish Kumar Gupta (2013). Lemongrass (*Cymbopogon flexuosus* Steud.) Wats Essential Oils Essential Oil. Recent Progress in Medicinal and Aromatic Plants, Vol. 35, Studium Press LLC, USA. pp. 233-274. ISBN: 9781933699257
79. Deepak Ganjewala, Shiv Kumar and Rajesh Luthra (2009). An account of cloned plant genes involved in MEP pathway of isoprenoid biosynthesis in plants. In: Plant Genomics, Edited by Hanny A. El-Shemy, Savana Press, Basingstoke, UK. pp. 35-46. ISBN, 0954333519
80. Deepak Ganjewala, Kumari Ambika and K.H. Khan, 2008. Ontogenic and developmental changes in essential oil content and compositions in *Cymbopogon flexuosus* cultivars. In: Recent Advance in Biotechnology, Excel India Publishers, New Delhi. pp. 82-92. ISBN 9788190719612
81. Kishwar Hayat Khan, Braj Nandan Prasad, **Deepak Ganjewala** and Jain S.K. (2008). Efficacy of lyophilized juice of *Emblica officinalis* against experimentally induced salmonellosis. In: Recent Advance in Biotechnology, Excel India Publishers, New Delhi. pp. 136-143. ISBN 9788190719612

Abstracts/Posters in conferences

1. Gauri Srivastava, Ruchika Mittal and **Deepak Ganjewala*** (2020) A study on biotransformation of vinblastine and ajmalicine using microbes isolated from soil. International Conferences on Advances in Biosciences and Biotechnology. Jaypee Institute of Information Technology, Noida, (UP). January 30 to February 1, 2020.
2. Akansha Srivastav, Alesh Kumar, R.K Singhal S.D. Singh, Manoj Shrivastava and **Deepak Ganjewala** (2018) Phytotoxicity assessment of TiO₂ nanoparticles for rice plants. In Proceeding of 4th International Plant Physiology Congress. CSIR-NBRI 2nd – 5th Dec 2018, Lucknow (PA038 (IPC_2018_ABS_G4098)
3. Rai A, Singh AM, **Ganjewala D**, Ahlawat A, Singh SK, Singh TP, Sharma P (2017). Oral presentation entitled “Can Indian wheat quality be better” in International conference on Agricultural Sciences and Food Technologies for sustainable Productivity and Nutritional Security” held at Bangalore from Aug 25-27, 2016.
4. Rai A, Singh AM, **Ganjewala D**, Ahlawat A (2016). Oral presentation entitled “Marker Assisted Screening of Indian Wheat Varieties for the presence of Alien Leaf Rust Resistance Gene Lr34 and Linked Gene Yr18” in 3rd In International conference “ÄgriGenomics India 2017” held at Chandigarh from July 20-21, 2017.
5. **Deepak Ganjewala**, Ruchika Mittal, Ashish Kumar Gupta, Tufail Khan and Martha Premlatha (2014). Biosynthesis of silver nanoparticles using lemongrass (*Cymbopogon flexuosus* Steud) Wats leaf extract: phytochemical composition and antibacterial properties. 2nd International

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PATENTS	- Gauri Srivastava and Deepak Ganjewala (2024). A method for providing Biotransformation of vinblastine into vincristine using an endophyte - Gauri Srivastava and Deepak Ganjewala (2024). A method for rapid bioconversion of vinblastine to vincristine using pseudomonas fluorescens - Ashish Kumar Gupta, Deepak Ganjewala (2024). A High-Performance Liquid Chromatography (HPLC) Method for the Determination of Geraniol Synthase (GES) Enzyme Activity
RESEARCH PROJECTS Completed: 06 Ongoing: 0	- Microbial biotransformation of commercially and industrially important some alkaloids, Funded by CSIR, New Delhi (2018-2021) - Sequencing of the transcriptome of commercially important genus <i>Cymbopogon</i> using next-generation sequencing techniques, Funded by DST (2017-2020) - Use of in situ hybridization technique for localization of enzymatic steps of the MEP pathway towards understanding biosynthesis and regulation of essential oil in lemongrass (2018-2020) - Investigations of the molecular regulatory mechanisms underlying essential oil biosynthesis in commercially most important genus <i>Cymbopogon</i>”. Funded by CSIR, New Delhi (2011-2014) - Metabolic fingerprinting of monoterpene biosynthesis in aromatic grasses of genus <i>Cymbopogon</i> using 1-¹³C-glucose and in a combination of quantitative NMR-spectroscopy. Funded by DST, New Delhi (2007-2010) - Study of the effect of sodium nitroprusside on photosynthesis and secondary metabolism in Pea (<i>Pisum sativum</i> L. cv. Arkel). Indian Academy of Sciences, Bangalore (2008)
AWARDS & HONOURS/ DISTINCTIONS	Received “Distinguished Scientists Award” on 16 November 2024 by the Society for Plant Research, (Vegetos), India at the Aligarh Muslim

	University, Aligarh. • Who's Who in the World: Included in the upcoming 2011 Edition of Marquis Who's Who in the World. 890 Mountain Avenue, New Providence, N.J., USA • Israel Government Scholarship 2009-10: Selected for Israel Government Scholarship-2009-10 in subject Biology • Summer Research Fellowship-2008: Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi; and The National Academy of Science, Allahabad • DST Young Scientist Award 2007-2010 • Senior Research Fellow (2002-2003): Human Resource and Development Group (HRDG), Council of Scientific and Industrial Research (CSIR), Library Avenue, Pusa, New Delhi-110 012, India • Senior Research Fellowship (1999-2001): Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow-226 015 (U.P.), India
MEMBERSHIP with Professional/Academic bodies	• Fellow of Society for Applied Biotechnology [FSAB], Karnataka University Dharwad • Life Member: Society of Biological Chemists, India • Life Member: Society for Plant Research (Vegetos), India • Life Member: Indian Science Congress, Kolkata, India