

FACULTY PROFILE

NAME : Dr. Manasa. D. J
Designation : Assistant Professor
Department : DOS in Botany
Qualification : MSc, PhD.
Areas of Specialization : Phytopharmacology, Green Nanotechnology.
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Vision

To constitute and deliver extraordinary and contemporary post graduate programs in botanical sciences. With an intention to give highest supremacy in teaching, research and community involvement for the enrichment of society. In conjunction with a focus on the patterns and processes that facilitate predictive understanding of plants and their environments at local, regional, and global scales.

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD	Phytochemistry and Green nanotechnology.	Mangalore University, Dept. Of Applied Botany Under the guidance of Prof. K. R. Chandrashekar	2018
2	SLET	Life Science	Mysore UNiversity	2014
4	PG	Applied Botany	Mangalore University, Dept. Of Applied Botany	2011
5	UG	Botany, Biochemistry and Microbiology	Yuvaraja's College, Mysore.	2009

Professional Details (Academic/Research Experience)					
Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Research Scholar	Mangalore University	PG	2013	2018
2	Assistant Professor Grade - 10	Davangere University, Davangere-577007	PG	24 July 2019	2023
3	Assistant Professor Grade - 11 (68,900/-- 2,05, 500/-)	Davangere University, Davangere-577007	PG	24-6-2023 (eligibility) 11 Jan 2024	2025

Areas of Research Interest:	
1.	Screening and identification of bioactive compounds in medicinal plants.
2.	Screening the pharmacological properties of the medicinal plants.
3.	Synthesis and characterization of nanoparticles from medicinal plants and evaluation of their pharmacological attributes.
4.	<i>In-vitro</i> culturing of medicinal and endemic plants.

Awards/Fellowships:			
Sl. No.	Name of the Body/Society	Name of Award/Fellowship/Nature of Membership/Editorship	Year
1.	Mangalore University	Gold Medal for First Rank in Post-Graduation (M.Sc., Applied Botany)	2011
2.	Mangalore University	Lobo Prabhu S. R. Alphonso Cash prize for First Rank in M.Sc., Applied Botany.	2011
3.	Dept of Science and	Inspire Fellowship	2013

	Technology (DST), New Delhi.		
4.	Dept of Science and Technology (DST), New Delhi.	Intern Fellowship to visit Department of Plant Biology, University of California USA, UC Davis for 6 Months. (01-04-2014 to 27-09-2014)	2014

Academic/Administrative responsibilities:

1.	PG Question paper setter, Davangere University, Tumkur University, Raichur University.
2.	Internal Examiner for the conduction of practical examination (BOT 1.7 Pteridophytes, gymnosperms and Paleobotany) in GR halli, Jnana Gangothri, Davangere University. 2021-22.
3.	Internal Examiner for the conduction of practical examination (BOT 2.8 Plant Biochemistry) at Govt Science college, Chitradurga, Davangere University. 30/10/2022.
4.	LIC committee member, Davangere University, 2019-2020
5.	Asset audit member, Davangere University, 2019-2020.
6.	Member in Transportation committee member in Convocation (Davangere University) held on 2020 and 2022.
7.	Departmental Internal Complaint committee (ICC) member, Davangere University- 2020- till date
8.	Coordinator of Department of Studies of Fashion Design, Davangere University from 2020 to 2021.
9.	E- attestation officer, SSP scholarship, Davangere University, Davangere- 2019-Till date
10.	Member-Gender Sensitization Committees against Sexual Harassment (GASHE): 2019- Till date.
11.	BOS member for Department of Studies in Fashion Design, Davangere University from 2020 to 2021.
12.	Mentoring students for NPTEL SWAYAM Plant developmental Biology course, Cell Biology: Cellular organization, division and processes, Understanding Design, Apparel Designing course, Embryology of Angiosperms.

13.	BOAE member, Department of Studies in Fashion Design, Davangere University, 2021-2022.
14.	Flying squad duty, UG examinations, Davangere University from 17/10/2022 to 22/10/2022.
15.	Letter of Appreciation, Blood donation, Rashtrottana Blood center, Regional Blood transfusion center- Recognized by Government of Karnataka, 03/03/2022.
16.	BOE member- PG Dept of Botany, Yuvaraj's college, Mysore University, 2022. BOE member- PG Dept of Botany, Karnataka State Akkamahadevi Women University, Vijayapura, 2024. BOE member- Dept of Studies in Botany, Vijayanagara Sri Krishnadevaraya University, Ballari, 2024. BOE member- Dept of Studies in Botany, Rani Chennamma University, Vidyasangama, Bhootaramanahatti, Belagavi – 591156, 2024. BOE member- Dept of Studies in Botany, Raichur University, Raichur, 2025 BOE member, Dept of Environmental sciences, Gulburga University, 2026
17.	BOE member-PG Dept of studies in Botany, Davangere University from 2022-2023
18.	BOS member- PG Dept of studies in Botany, Davangere University from 2022-2025.
19.	BOAE member- PG Dept of studies in Botany, Davangere University from 2023-24
20.	A member in certificates and trophy committee during Davangere University Shivagangothri Yuvajantsava -2023, A member, Davangere University Shivagangothri Yuvajantsava -2024, 2025 A member, Inter zonal Youth Festival Committees - 10.01.2023.
21.	Thunga Hostel Warden, Davangere University from 4/08/2023 to till date
22.	Member- Antiragging Committee Davangere University, 22/5/2024
23.	NEET Exam Invigilator, NTA, NEW Delhi, 2025 on 4/5/2025.
24.	Reveiwer for • Microbial pathogenesis Journal – Elsevier. • Current research in Pharmacology an drug discovery- Elsevier • Journal of Nanomaterials- Hindawi

	• Research and reviews: Journal of Botany • International Journal of Pharmaceutical Sciences and Nanotechnology, IJPSN • Scientific reports, Nature. • Bionanoscience, Springer • Chemical Papers, Springer
25.	Editorial board member STM journals – Research and reviews: Journal of Botany- 2023 EDWIN group of Journals from 21 st Dec 2023.

Research Projects:					
Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
5.	Co- Principal Investigator Product development, characterization and anticancer activity of endophytic fungal ribosome inactivating proteins (RIPs) - a small molecule	VGST, K-FIST LI	15 lakh	2019	Ongoing
6.	Principal Investigator- Rapid and distinctive approach of Biofabrication of Barium Magnesium Aluminate (BAMGAL 10O17) nanoparticles from <i>Fusarium oxysporum</i> by optimizing Physiococultural conditions and its potential application	KSCST- student Project	0.0008 lakh	2020	Finished

	in photo catalysis of industrial effluents.				
7.	Principal Investigator <i>Thuja standishii</i> essential oil mediated cu, zn, mg metallic oxide nanoparticle synthesis their dye degradation studies and their antineoplastic effect against human triple negative breast cancer	KSCST- student Project	0.0007 Lakh	22-23	Finished
8.	Co- Principal Investigator Identification of stress responsive proteins in safflower under abiotic stress	Co- PI KSCST- student Project	0.0007 Lakh	23-24	Ongoing

Research Publications:

a) International Journals

1.	Manasa DJ , Chandrashekar KR (2015) Antioxidant and antimicrobial activities of <i>Tabernaemontana heyneana</i> Wall. an endemic plant of Western Ghats. International Journal of Pharmacy and Pharmaceutical Sciences 7(7): 311-315. SNIP IF: 2.029.
2.	Manasa DJ , Chandrashekar KR, Bhagya N (2017) Rapid <i>in vitro</i> callogenesis and phytochemical screening of leaf, stem and leaf callus of <i>Mussaenda frondosa</i> Linn.: a medicinal plant. Asian J Pharm Clin Res 10(6): 81-86. IF: 0.48.
3.	Manasa DJ , Chandrashekar KR, Pavan Kumar MA, Suresh D (2018). Biogenic synthesis of ZnO nanoparticles from leaf, stem and callus extracts of <i>Mussaenda frondosa</i> L., - their characterization and evaluation of anti oxidant and photocatalytic activity. Conference Proceedings - International conference on Recent advances in materials, sciences and biophysics. 291-295.

4.	Manasa DJ , Chandrashekar KR (2019). Phenolic acid profiling in the leaves of <i>Tabernaemontana heyneana</i> wall. an endemic plant of the Western Ghats using ultra-high performance liquid chromatography coupled with quadrupole-time-of-flight. Asian J Pharm Clin Res 12(9): 172-177. IF : 0.48.
5.	Manasa Dogganal Jayappa , Chandrashekar Konambi Ramaiah, Masineni Allapuramaiah Pavan Kumar, Doddavenkatanna Suresh, Ashwini Prabhu, Rekha Punchappady Devasya, Sana Sheikh. Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of <i>Mussaenda frondosa</i> L.: characterization and their applications. Appl Nanosci. 2020. IF: 2.882.
6.	K. Meghana Navada, G. K. Nagaraja, Josline Neetha D'Souza, Sabia Kouser, R. Ranjitha, D. J. Manasa , Phyto assisted synthesis and characterization of <i>Scoparia dulcis</i> L. leaf extract mediated porous nano CuO photocatalysts and its anticancer behavior. Applied Nanoscience 2020. 10: 4221-4240: IF: 2.882.
7.	Sabia Kouser, Sareen Sheik , G.K. Nagaraja, Ashwini Prabhu, Kalappa Prashantha, Josline Neetha D'souza, K. Meghana Navada, D.J. Manasa , Functionalization of halloysite nanotube with chitosan reinforced poly (vinyl alcohol) nanocomposites for potential biomedical applications, International Journal of Biological Macromolecules 165 (2020): 1079- 1092. IF: 5.162.
8.	Sabia Kouser, Sareen Sheik , G.K. Nagaraja, Ashwini Prabhu, Kalappa Prashantha, Josline Neetha D'souza, K. Meghana Navada, D.J. Manasa . Effects of reinforcement of sodium alginate functionalized halloysite clay nanotubes on thermo-mechanical properties and biocompatibility of poly (vinyl alcohol) nanocomposites. Journal of the Mechanical Behavior of Biomedical Materials . 2021, IF: 3.372.
9.	Josline Neetha D'Souza, Ashwini Prabhu, Meghana K Navada, Sabia Kouser, D.J. Manasa . <i>Sauropus androgynus</i> (L.) leaf phytochemical activated biocompatible zinc oxide nanoparticles: An antineoplastic agent against human triple negative breast cancer and a potent nanocatalyst for dye degradation. Applied Surface Science. 2021, IF: 6.182.
10.	Josline Neetha D'Souza, Ashwini Prabhu, G.K. Nagaraja, Meghana Navada K., Sabia Kouser, D.J. Manasa , Unravelling the human triple negative breast cancer suppressive activity of biocompatible zinc oxide nanostructures influenced by <i>Vateria indica</i> (L.) fruit phytochemicals. Materials Science & Engineering C 122 (2021) 111887, IF : 5.88.
11.	Madhu Kumar Dogganal Jayappa, Prabhuswamy Akhileshwari, Mandayam Anandalwar Sridhar, Lohith Tumakuru Nagarajappa, Shivegowda Nagaraju, Subrayachar Raghavendra and Manasa Dogganal Jayappa , Synthesis and detailed characterization of a newly synthesized chalcone, 3-(2,5-dimethoxyphenyl)-1-(naphthalen-2-yl)prop-2-en-1-one, European Journal of Chemistry 12 (1) (2021) 69-76. IF: 0.5439.

12.	K. Meghana Navada, Nagaraja G. K, Ranjitha R, Josline Neetha D'Souza, Sabia Kouser, Manasa D. J. Synthesis, characterization of phyto-functionalized CuO nano photocatalysts for mitigation of textile dyes in waste water purification, antioxidant, anti-inflammatory and anticancer evaluation. Applied Nanoscience. 2021. IF: 2.882.
13.	Manasa. DJ , K. R. Chandrashekar D. J. Madhu Kumar M Niranjana, Meghana N, Mussaenda frondosa L. mediated facile green synthesis of Copper oxide nanoparticles- Characterization, Photocatalytic and their biological investigations. Arabian Journal of Chemistry, 2021. 14: 103184. IF : 4.28.
14.	D'Souza, Josline Neetha, G. K. Nagaraja, K. Meghana Navada, Sabia Kouser, B. R. Nityasree, and D. J. Manasa. "An ensuing repercussion of solvent alteration on biological and photocatalytic efficacy of Emilia sonchifolia (L.) phytochemicals capped zinc oxide nanoparticles." <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 627 (2021): 127162. IF: 4.537.
15.	Josline Neetha D'Souza, Nagaraja, G.K. , Ashwini Prabhu , K Meghana Navada , Sabia Kouser , Manasa, D.J , Sauropus androgynus (L.) leaf phytochemical activated biocompatible zinc oxide nanoparticles: An antineoplastic agent against human triple negative breast cancer and a potent nanocatalyst for dye degradation, Applied Surface Science Volume 552, 30 June 2021, 149429. IF: 6.707.
16.	Manasa DJ , Chandrashekar KR, Madhu Kumar DJ., GCMS based metabolite profiling of <i>Tabernaemontana heyneana</i> Wall. An endemic plant of Western Ghats, Journal of Advanced Materials and Technology. 1(1): (2021) 33-38 2021.
17.	D.J. Manasa, K.R. Chandrashekar, M.A. Pavan Kumar, D. Suresh, D.J.Madhu Kumar, C.R. Ravikumar, Tanima Bhattacharya, H.C. Ananda Murthy. Proficient synthesis of Zinc oxide nanoparticles from <i>Tabernaemontana heyneana</i> Wall. via simple solution combustion synthesis method: Characterization, antioxidant, anti-inflammatory, antidiabetic, anticancer and photocatalytic activity. Results in Chemistry 3 (2021) 100178, Cite score : 0.8.
18.	Navada, K. Meghana, G. K. Nagaraja, Josline Neetha D'Souza, Sabia Kouser, C. R. Ravikumar, and D. J. Manasa, Bio-fabrication of multifunctional quasi-spherical green α -Fe ₂ O ₃ nanostructures for paracetamol sensing and biomedical applications. Ceramics International (2021) IF 4.527.
19.	Josline Neetha D'Souza, Nagaraja, G. K., Navada, K. M., Kouser, S., Manasa, D. J. (2021), Insight into the impact of zinc doping on the structural, surface, and biological properties of magnesium oxide nanoparticles stabilized by <i>Vateria indica</i> (L.) fruit extract, Ceramics International (2021) IF 4.527.
20.	Sabia Kouser; Ashwini Prabhu; Sareen Sheik, Kalappa Prashantha, Josline Neetha D'souza, Meghana K Navada, D.J. Manasa , Poly (caprolactone)/sodium-alginate-

	functionalized halloysite clay nanotube nanocomposites: potent biocompatible materials for wound healing applications, International Journal of Pharmaceutics 2021, IF : 5.875.
21.	Kouser, S. Prabhu, A., Sheik, S., Prashantha, K., Nagaraja, G. K., D'souza, J. N., K M Navada, Manasa, D. J , Chitosan functionalized halloysite nanotube/poly (caprolactone) nanocomposites for wound healing application, Applied Surface Science Advances 6 (2021) 100158. IF: 6.75.
22.	Navada, K. Meghana, G. K. Nagaraja, Josline Neetha D'Souza, Sabia Kouser, B. R. Nithyashree, and D. J. Manasa. "Bio-fabrication of multifunctional nano-ceria mediated from Pouteria campechiana for biomedical and sensing applications." <i>Journal of Photochemistry and Photobiology A: Chemistry</i> 424 (2022): 113631, IF : 4.291.
23.	Kouser, Sabia, Ashwini Prabhu, Kalappa Prashantha, G. K. Nagaraja, Josline Neetha D'souza, K. Meghana Navada, Ahsanulhaq Qurashi, and D. J. Manasa. "Modified halloysite nanotubes with Chitosan incorporated PVA/PVP bionanocomposite films: Thermal, mechanical properties and biocompatibility for tissue engineering." <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 634 (2022): 127941, IF: 4.5.
24.	Manasa. D. J , Vridhi Vinaykiya, Bhoomika V, Suryanshi Dutta, Sunil S. More, Vinay B Raghavendra, Govindappa M. Screening of antibacterial and antioxidant activity of biogenically synthesized silver nanoparticles from <i>Alternaria alternata</i> , endophytic fungi of <i>Dendrophthoe falcata</i> -a parasitic plant, Bionanoscience, 12 128-141 (2022) IF: 2.31.
25.	Josline Neetha D'Souza, G.K. Nagaraja, Ashwini Prabhu, K. Meghana Navada, Sabia Kouser, D.J. Manasa , AgVI and Ag/ZnOVI nanostructures from <i>Vateria indica</i> (L.) exert antioxidant, antidiabetic, anti-inflammatory and cytotoxic efficacy on triple negative breast cancer cells in vitro, International Journal of Pharmaceutics, 2022, 121450, IF : 5.875.
26.	Meghana K. Navada, Nagaraja G. Karnikkar, Josline Neetha D'Souza, Sabia Kouser, Ganesha Aroor, Jyothi Kudva, Manasa D. Jayappa . Biosynthesis of phyto functionalized cerium oxide nanoparticles mediated from <i>Scoparia dulcis</i> L. for appraisal of anti- cancer potential against adenocarcinomic lung cancer cells and paracetamol sensing potentiality, Environmental Science and Pollution Research, 2022. IF: 5.19. https://doi.org/10.1007/s11356-022-23500-z .
27.	Sabia Kouser, Ashwini Prabhu, Kalappa Prashantha, G. K. Nagaraja, Josline Neetha D'souza, Meghana K. Navada, D. J. Manasa , In vitro evaluation of modified halloysite nanotubes with sodium alginate- reinforced PVA/PVP nanocomposite films for tissue engineering applications, Applied Nanoscience, 2022, Applied Nanoscience. 2021. IF: 2.882, https://doi.org/10.1007/s13204-022-02684-3 .
28.	K. Meghana Navada, G. K. Nagaraja, Josline Neetha D'Souza, Sabia Kouser, R. Ranjitha, A. Ganesha, D. J. Manasa , Synthesis of phyto-functionalized nano hematite for lung

	cancer suppressive activity and paracetamol sensing by electrochemical studies, <i>Process Biochemistry</i> , 123 (2022), 76-81. IF: 4.78
29.	Manasa D. J, Chandrashekar K.R, Madhu Kumar D. J, Meghana Navada, Parshuram T. R, Shwetha Ullegaddi, Detection Of Phenolic Compounds In <i>Mussaenda frondosa</i> Linn. By UHPLC Coupled With QTOF, <i>GIS science journal</i> , ISSN No- 1869-9391, 9(12) 2022, pg No: 981-997.
30.	Deepali Warale, Sabia Kouser, G.K.Nagaraja, M.Shabeena, D.J.Manasa, In vitro cell proliferation, adhesion studies, and enhancement of mechanical properties of organo solve-lignin functionalized halloysite clay nanotube fillers doped onto poly (vinyl alcohol) film, <i>Surf Interfaces</i> 36: 102593 emulsion." <i>Ind Crops Prod</i> 170, no. 113739 (2023): 163-179, IF: 5.85 .
31.	Deepali Warale , M. Shabeena , Ashwini Prabhu , Sabia Kouser , D.J. Manasa, G. K. Nagaraja, Incorporation of sodium alginate functionalized halloysite nanofillers into poly (vinyl alcohol) to study mechanical, cyto/heme compatibility and wound healing application, <i>International Journal of Biological macromolecules</i> , (232) 2023, 123278. IF: 8.025
32.	M. Shabeena, Sabia Kouser, Ashwini Prabhu, G.K. Nagaraja, Deepali Warale, D.J. Manasa, Biocompatible pectin-functionalised-halloysite loaded poly(vinyl alcohol) nanocomposite films for tissue engineering applications, <i>Journal of Drug Delivery Science and Technology</i> , <i>Journal of Drug Delivery Science and Technology</i> 82 (2023): 104320, IF: 5
33.	Deepali Warale , M. Shabeena , Ashwini Prabhu , Sabia Kouser , D.J. Manasa, G. K. Nagaraja, Sustainable organosolv-lignin coated nanosilver-halloysites reinforced poly (vinyl alcohol) nanocomposites for wound healing application, <i>International Journal of Biological macromolecules</i> , (257) 2024, 128628. IF: 8.025
34.	M. Shabeena, Deepali Warale, Ashwini Prabhu, Sabia Kouser, D.J. Manasa, G.K. Nagaraja, Pectin wrapped halloysite nanotube reinforced Polycaprolactone films for potential wound healing application, <i>International Journal of Biological Macromolecules</i> , 262 (2024) 130140: IF: 8.025 .
35.	M. Shabeena, Sabia Kouser, Ashwini Prabhu, Deepali Warale, D. J. Manasa, G. K. Nagaraja. Unravelling the tissue regenerative nature of marine polysaccharide chitosan embedded halloysite reinforced poly (vinyl alcohol) nanocomposite films, <i>Discover Polymers</i> 1(2024) 1:3. https://doi.org/10.1007/s44347-024-00004-2
36.	Hemamalini S, Vatsala P, Monisha CP, Manasa DJ and Govindappa, Isolation and Characterization of Endophytic Fungi from the Parasitic Plant <i>Dendrophthoe falcate</i> , <i>Journal of Plant Science and research</i> , 2024.
37.	Hemamalini Subramanyam, Vatsala Paniyappanavara, Monisha Chandrashekhhar Patil, Manasa Doggnal Jayappa, Govindappa Melappa, In vitro Antioxidant and Anti-Inflammatory Activity of <i>Dendrophthoe falcata</i> Endophytic Fungal Ribosome Inactivating Proteins, <i>Asian Journal of Biological and Life Sciences</i> , Vol 13, Issue 3, Sep-Dec, 2024.

38.	Shwetha Ullegaddi, Vinayaka K., Sanjeeva Nayaka, Ankitha S, Deepak Gowda HS, Madhu Kumar DJ, Shweta GM and Manasa DJ, Enumeration of lichen biota from Davangere district of Karnataka, The Bioscan, 20(3): 14-21, 2025.
39.	Shwetha Ullegaddi, Ankitha S, Deepak Gowda HS, Shweta GM, Madhukumar DJ and Manasa DJ, Comprehensive analysis of bioactive compounds in <i>Pyxine farinosa</i> Kashiw and <i>Physcia integrata</i> (Nyl.) Arnold, Journal of Pharmacognosy and Phytochemistry 2025; 14(4): 847-857.
40.	Ankitha S, Shwetha Ullegaddi, Shweta GM, Deepak Gowda HS, Madhu Kumar DJ and Manasa DJ, Exploring the phytochemical wealth of <i>Platycladus orientalis</i> (L.) franco through solvent-based and essential oil extracts, Journal of Pharmacognosy and Phytochemistry 2026; 15(1): 56-65.
41.	Ankitha S, Rakesh S A, Madhu Kumar D J, Shwetha Ullegaddi, Deepak Gowda HS, Shweta GM and Manasa DJ, Biological Evaluation of a <i>Platycladus orientalis</i> (L) Franco Cold Cream Formulation with Antioxidant and Antimitotic Activities, International Journal of Pharmaceutical Sciences, 2026, 4(4), 330-339.
42.	Latha, G.K. Nagaraja, B.C. Revanasiddappa, Nanditha Bhat, N. Adithi, D.J. Manasa , Green fabrication of silver-doped CuO nanoparticles for sunlight-assisted textile wastewater remediation and biological applications, Physica B: Condensed Matter 740 (2026) 419079, IF: 3.09.

c) International Conference

1.	Manasa DJ , Chandrashekar KR (2016). Silver nanoparticles from <i>Tabernaemontana heyneana</i> Wall., an endemic plant of Western Ghats - synthesis and characterization. International conference on understanding the molecules of life in the era of new biology, at Davangere university on October 20 th -22 nd , pp-187.
2.	Manasa DJ , Chandrashekar KR (2017). Rapid <i>in vitro</i> callogenesis and phytochemical screening of leaf, stem and leaf callus of <i>Mussaenda frondosa</i> L., a medicinal plant. International Conference on Advances in Science and Engineering, at Regent international college, Bangkok on January 19 th -22 nd , pp-22.
3.	Manasa DJ , Chandrashekar KR, Pavan Kumar MA, Suresh D (2018). Biogenic synthesis of ZnO nanoparticles from leaf, stem and callus extracts of <i>Mussaenda frondosa</i> L., - their characterization and evaluation of anti oxidant and photocatalytic activity. International conference on Recent advances in materials, sciences and biophysics, at Mangalore university, Mangalore on January 23 rd to 25 th , pp- 291-295.
4.	Manasa DJ , Chandrashekar KR (2018). A facile green synthesis of cupric oxide nanoparticles using <i>Tabernaemontana heyneana</i> Wall., - their characterization, evaluation of antioxidant and photocatalytic activity. International conference on recent vistas in science and technology and its relevance to biological sciences, at Alva's college, Moodubidre on March 2 nd , pp- 36.

5.	Manasa DJ , Chandrashekar KR (2019). <i>Mussaenda frondosa</i> mediated facile green synthesis of Copper oxide nanoparticles- Characterization, Photocatalytic and their biological investigations. International conference on advances in chemical and material sciences (ICCM), at Mangalore university, Mangalore on October 17 th to 19 th .
6.	Manasa. D. J , K. R. Chandrasekar, Madhu Kumar D. J, “ <i>Tabernaemontana heyneana</i> (Wall.) phytochemicals arbitrated CuO nanoparticles their suppressive reaction against human lung carcinoma cell line and photocatalytic deterioration of methylene blue dye”. International virtual conference on Engineering, Medical, Biomedical and Biological sciences (IVCE- MBBS) Organized by Synbiogenica Labs, India. Pegaso Canton, Compagnia Delle Indie Orientali Per Scienza E Tecnologia, Italy Ace International Pte Ltd, Singapore. 24 th – 26 th October 2020.
7.	Manasa. D. J , K. R. Chandrasekar, Madhu Kumar D. J, Deciphering the photocatalytic activity and pharmaceutic impact on A549 Cell Line of <i>Mussaenda frondosa</i> L. leaf extract intervened porous copper oxide nanostructures. International Virtual Conference on “Environmental Impact Assessment” (IVC-EIA) 2020 organized by Environmental Information System (ENVIS) Environmental Management and Policy Research Institute (EMPRI) “Hasiru Bhavana” JP Nagar 5th Phase Bangalore: 560078, 1 ST Dec 2020.
8.	Manasa. D. J , K. R. Chandrasekar, Madhu Kumar D. J, Extrication of the hypotriploid human cell line (A549) suppressive and photocatalytic degradation activities of biofabricated copper oxide nanostructures inveigled by <i>Tabernaemontana heyneana</i> (Wall.) phytochemicals. International Virtual Conference On Biodiversity And Ecosystem Services In A Climate Change Perspective -(2020) (IVCBES - 2020), organized by Centre for Climate Change, Environmental Management and Policy Research Institute(EMPRI), Bengaluru, 10-11 December 2020.
9.	D. J. Manasa , K. R. Chandrashekar, Madhu Kumar. D. J. Comprehensive approaches on the chemical constituents of leaves of <i>Tabernaemontana heyneana</i> Wall. “International Conference and Buyers Sellers Meet on Medicinal Plants used in Lifestyle Products” Jadavpur University, 8th – 10th February, 2021.
10.	D. J. Manasa , K. R. Chandrashekar, Madhu Kumar. D. J, Reshma. M. D, Govindappa. M, Comprehensive approaches on the chemical constituents of leaves of <i>Tabernaemontana heyneana</i> Wall, International E-Conference on Sustainable Futuristic Materials, International Research Centre and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil, Department of Chemistry, J. M. Patel Arts, Commerce, and Science College, Bhandara and Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur, 29th and 30th November 2021 under ACT Research Convention.

11.	Harshitha M.R, Madhu kumar. D. J, Shwetha. M, Ranjitha. D. C, Amrutha. K. R, Apoorva A Hirolli, Manasa Ganga. S. G, Nirmala. M, G. K. Nagaraja, Prashantha Kalappa, Josline Neetha D'Souza, Meghana K Navada, Govindappa. M, Manasa. D. J* , from "Thuja essential oil", Online 43rd World Conference on Applied Science, Engineering & Technology organized By Institute For Engineering Research and Publication (IFERP), 29th & 30th December-2022 at Goa.
12.	Manasa. D. J, participated in Indo- Canada International conference on advances in Research and Development (ICARD 2024), Hybrid mode, January 27-28, 2024, organised by All India Institute of Training and Education (AIITE), New Delhi, India, International Skill Development Council (ISDC), New Delhi, India and Somnogen Canada Inc, Toronto, Canada.
d) National Conference	
1.	Manasa DJ , Chandrashekar KR (2014). Callus Induction in <i>Tabernaemontana heyneana</i> Wall. an endemic plant of Western Ghats. National conference on Plant biodiversity of Western Ghats and its sustainable management at M.G.M college, Udupi on January 23 rd and 24 th , pp-89.
2.	Manasa DJ , Chandrashekar KR (2015). Preliminary phytochemical evaluation, antioxidant and antimicrobial activity of <i>Tabernaemontana heyneana</i> Wall. an endemic plant of Western Ghats. National conference on Secondary metabolites of endophytic fungi/ medicinal plants and their anticancer properties, at Bangalore university on March 5 th and 6 th , pp-11.
3.	Manasa DJ , Chandrashekar KR, Moran F (2017). HPLC profiling of phenolic acids in the leaves of <i>Tabernaemontana heyneana</i> Wall., an endemic plant of the Western Ghats. National conference on Science and technology: Reaching the unreachable, at Mangalore university, Mangalore on September 8 th and 9 th , pp- 55.
4.	Netra G.C, Aruna B N, Kruthi.B.K Sahana.C. Govindappa M. Hemashekar. B, Anantha raju K.S, Sunil S.More, Manasa D.J , Siddappa B.Kakkalameli and Seema J Patil. Antibacterial, Antioxidant, Antidiabetic, Antiinflammatory and Antityrosinase Activity of Green synthesized Silver nanoparticles using calophyllum tomentosum leaves extract, Two day national Conference on Advances in materials and Engineering Sciences (AMCES-2020), Department of mechanical engineering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020.
5.	Shwetha Ullagaddi, Bindushree A.N, Govindappa M. Hemashekar. B, Anantha raju K.S, Sunil S.More, Siddappa B.Kakkalameli Manasa D.J , and Seema J Patil. Fullurence conjugated curcumin 4,4-Diacetate Exhibits the inhibition of Neurological disorder causing proteins-an <i>in-Silico</i> Study, Two day national Conference on Advances in materials and Engineering Sciences (AMCES-2020), Department of mechanical engineering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020

6.	Govindappa.M Gabrila Tataringa. B, Anantha raju K.S, Sunil S.More, Manasa DJ , Siddappa B.Kakkalameli and Seema J Patil. Cumarin Derivatives conjugated fullrene targeting All nurological disorder protein in the management of Nurological disorder, Two day national Conference on Advances in materials and Engeeneering Sciences (AMCES-2020), Department of mechanical engeeneering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020.
7.	Neelamabri S.Patil, Seema J Patil, Manasa D.J , Siddappa B.Kakkalameli and G.A Ravishankar and Govindappa.M, Antioxidant and Antiinflamatory Activity of Silver nanoparticles Synthesized from micro algae-Chlorella Species, Two day national Conference on Advances in materials and Engeeneering Sciences (AMCES-2020), Department of mechanical engeeneering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020.
8.	Neelamabri S.Patil, Seema J Patil, Manasa D.J , Siddappa B.Kakkalameli and G.A Ravishankar and Govindappa.M, Characterization of Silver Nanoparticles from Scenedesmus Species and its antioxidant and Antiinflammatory Activity , Two day national Conference on Advances in materials and Engeeneering Sciences (AMCES-2020), Department of mechanical engeeneering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020.
9.	Govindappa.M,Vridhi Vinaykiya V, Suryansi Dutta, Sunil S.More, Ananta Raju K.S, Manasa D.J and Siddappa B. Kakkalameli, Charecterization, Antibacterial and Antioxidont Activity of Silver Nanoparticals Synthesised from Alternaria Alternaria, Endophytic fungi of Dendrophythoe-A Parasitic plant, Two day national Conference on Advances in materials and Engeeneering Sciences (AMCES-2020), Department of mechanical engeeneering and Chemistry, Dayananda sagar college of Engineering bangaluru-560078. Karnataka, 17 th ,18 th January 2020.
10.	Jyothi T.S, Madiha iffath, Laya C, Kiran T, Manasa. D. J , GC – MS based metabolite profiling and <i>in vitro</i> anti- oxidant activity of <i>Mussaenda frondosa</i> L. leaf extracts, DRM Science college
11.	D. J. Manasa , K. R. Chandrashekar, Madhu Kumar. D. J. Chemical profiling of leaves of <i>Tabernaemontana heyneana</i> Wall. in one day National Symposium on “Future of STI: Impacts on Education, Skills and Work” on February 27th, 2021 organized by Yenepoya (Deemed to be University), Mangalore, Karnataka.
Book Published / Book Chapters Published:	
Books Published: 1. Book Title: Unravelling the phytochemical constituetnts of leaf, stem and <i>in vitro</i> grown callus of <i>Tabernaemontana Heyneana</i> Wall and <i>Musseanda frondosa</i> L, 2021.	

Authors: Manasa. D. J, Chandrashekar. K. R, Rajendra Prasad, Madhu Kumar. D. J, Chandan. S, Shiva Prasad, **Publisher :** Green publication, **ISBN:** 81-949008-8-7.

Book Chapters Published

1. **Book chapter Title:** An efficient in vitro approach for callogenesis mediated from the plants *Tabernaemontana heyneana* Wall, July 2021.
Authors: D.J. Manasa, K.R. Chandrashekar, Bhagya. N, D.J. Madhu Kumar, Reshma. M. D, Govindappa. M., **Publisher:** International publisher, Daya Publishing House, **ISBN:** 978-93-5461-269-5, **Pg No:** 235-255.
2. **Book:** Interdisciplinary Research for Sustainable Development.
Book Chapter Title: Screening of phenolic acid compounds of *Mussaenda frondosa*. Var. Laxa hook. F. against covid-19 proteins using in silico studies".
Authors: Manasa. D J, Govindappa M, Madhu Kumar D J, Nagaraja G K, Reshma M D, Anupama B R, Deepa K S, Hemalatha. K. S, Venkatesh Jugal, Manjula. C. M, Anusha P., **Publisher:** International Institute of Organized Research (I2OR), India – 2021 Number 3179, Sector 52, Chandigarh (160036) – India, **ISBN:** 978-81-950538-8-9, **Pg No. :** 52-79.
3. **BOOK: Advances in Environmental Toxicology: Unraveling Ecological Impacts and safeguarding our planet**
Book chapter: Antioxidant, antimicrobial and antimitotic potential of green synthesized zinc and magnesium oxide nanoparticles from *Parmotrema perlutum*.
Authors: Madhu kumar. D. J², Apoorva A Hiroli¹, Amrutha. K. R¹, Manasa Ganga. S¹. G, Nirmala¹. M Harshitha M.R¹, Shwetha. M¹, Ranjitha. D. C¹, G. K. Nagaraja³, Prashantha Kalappa⁴, **Josline NeethaD'Souza**³, Meghana K Navada³, Ankitha¹, Shwetha ullegaddi¹, Shweta. G. M¹, Deepak Gowda. H. S¹, Manasa. D. J. Publisher: Wiley- **Accepted.**

Nucleotide sequences submitted to NCBI: 4

1. Zoya,N., Archana,T., Manasa,M.V., Manasa,D.J. and Govindappa,M (2022), *Aspergillus tamaris* isolate zamg3 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence, GenBank: OM017147.
2. Lavanya,M., Aishwarya,P., Kavya,P., Prathiksha,L., Arpitha,B.M., Manasa,D.J. and Govindappa,M.(2022) *Cladosporium perangustum* small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence, GenBank: OM103049.1

3. Lavanya,M., Aishwarya,P., Kavya,P., Prathiksha,L., Arpitha,B.M., Manasa,D.J. and Govindappa,M. *Aspergillus niger* small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence
GenBank: OM103047.1
4. Lavanya,M., Aishwarya,P., Kavya,P., Prathiksha,L., Arpitha,B.M., Manasa,D.J. and Govindappa,M. (2022). *Fusarium incarnatum* internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. GenBank: OM103048.1.
5. Hemamalini,S., Vatsala,P., Monisha,C.P., Manasa,D.J. and Govindappa,M.(2023) *Colletotrichum siamense* strain HVMMG - 2 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence . GenBank: OR827685.1
6. Hemamalini,S., Vatsala,P., Monisha,C.P., Manasa,D.J. and Govindappa,M. (2023) *Diaporthe pseudophoenicicola* strain HVMMG-1 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. GenBank: OR858835.1.

Conference/ Workshops/Trainings attended/organized:

International/National Conferences:

1. Organizing secretary member - One Week Live Webinar Series of International E-Conference in Plant Sciences, 25th -30th May 2020.
2. Organizing Secretary member Organized online workshop on “Patent filing in Life sciences”, 30th December, 2020.
3. Organizing committee member for Two days National level virtual workshop on “Recent trends in Plant Biology”, 29th and 30th January, 2021, Dept of Studies in Botany, Davangere University.
4. Organised an event “Kala Kruthika (Fashion Utsava) – 2021”, event was jointly organised by Kalanikethana College of Fashion Designing in collaboration with Davangere University at Pooja International Hotel on 25/10/2021.
5. Organizing committee member for TWO DAYS NATIONAL LEVEL VIRTUAL WORKSHOP ON “RECENT ADVANCES IN LIFE SCIENCES” 13th & 14th September 2022, Dept of Studies in Botany, Davangere University.

Short Term Courses/ Orientation Programs/ refresher courses:

1. Short course on “Recent Advances in Conservation of Genetic Resources of Plantation Crops” , 22-31 october, 2013, Central Plantation Crops Research Institute, Kasargod.
2. AICTE sponsored Short term training program- Synthesis, Characterization and its applications of Nanomaterials, 24th to 29th July, 2020, Jawaharlal Nehru Technological University, Hyderabad.
3. Orientation program, June 04 - July 01, 2020, Ramanujam College, University of Delhi.
4. 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" . June 04 - July 01, 2020. Obtained A+ grade, Teaching Learning Centre, Ramanujan College University of Delhi.
5. Induction Program, January 2020, Davangere University.
6. E- refresher Course on 21st Century: The era of Biotechnology- To innovate by advanced Biotechnology learning, 3rd Sep – 28th October 2020, Department of Biotechnology, AKS University, Satna, Madhya Pradesh, India.
7. AICTE Sponsored six days Short Term Training Programme (STTP) “Research Challenges and Emerging Trends in Ontology and Data Science for Deep Learning”, 7 th December to 12 th December 2020, MVJ College of Engineering, Bengaluru AICTE & Department of Information Science and Engineering along with IQAC, MVJ College of Engineering, Bangalore.
8. School of home science department of food science and nutrition UGC-STRIDE sponsored seven days online training programme on “Environmental Sustainability and Research Ethics”, 3rd to 11th February 2021, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
09. Online Two-Week Interdisciplinary Refresher Course in “ADVANCED CONCEPTS IN DEVELOPING MOOCS” 06 – 20 October, 2021 organized by Teaching Learning Centre, Ramanujan College University Of Delhi In Collaboration With Davangere University Davangere, Karnataka Under The Aegis Of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching.

10. 15 Days online summer training on insilico tools for Biochemistry, 25th March 2022 – 13th April 2022, Biosristhti, online life Science solutions.
11. 16th Refresher course in Life sciences (Botany), UGC sponsored refresher course (online), Human resource Development centre, University of Mysore from 27-02-2024 to 13-03-2024.
12. UGC Sponsored 1- Week Short Term Course on “Soft Skills” organised by the Malaviya Mission Teacher Training Centre, University of Mysore, Mysore, Karnataka from 05-11-2024 to 12-11-2024.
13. UGC Sponsored Interdisciplinary Refresher Course in Biological Sciences (Online) organized by UGC-Malaviya Mission Teacher Training Centre Karnatak University, Dharwad, Karnataka from 19-01-2026 to 31-01-2026.

FDP Attended :

1. FDP on Latest trends and future prospects of Biotechnology, 06-10th July, 2020, NIT, AP.
2. FDP- Plants for food and health care, 12th to 14th August, 2020, Yogi Vemana University.
3. FDP- Emerging trends in Academic publishing and Plagiarism, 13th July, 2020, VSR/NVR (Aided) College, Tenali.
4. National Level Online FDP on “New performance Appraisal system & Career Advancement Scheme” organised by IQAC Cell, held on 22nd May 2020, Sheshadripuram Degree college, Mysore.
5. Two Weeks Faculty Development Programme on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0", May 18 - June 03, 2020, Ramanujan College, University of Delhi.
6. Virtual FDP on “Challenges and opportunities in Diverse fields: Pre and Post Pandemic era, 2-6th September 2020, Dept of Biochemistry, Rayalaseema University.
7. FDP Program, 06th -13th January, 2020, Davangere University.
8. 5-day online FDP on “ADVANCED MATERIALS AND SURFACE PROPERTIES”, 26th – 30th October, 2020, Department of Chemical Engineering of GMR Institute of Technology, Rajam.

9. Five days Faculty Development Program (FDP -Virtual) on Trends in Computational Biology, 9 th - 13th Dec 2020, Organised by The Indian Institute of Engineers (IEI) student chapter (BT, SCE) & Shristi BT forum.
 10. 5-Day FDP Accelerating Innovations In Material Science - Surface Characterization, 18th – 22nd May 2021, Department of Chemistry, BMS Institute of Technology & Management, Bengaluru, India.
 11. 5- Days FDP on “Insight in to analytical techniques and its applications” (IATA- 2021), 21-06-2021 to 25-06-2021, Department of Chemistry, Acharya Institute of graduate studies, Bangalore.
 12. AICTE Sponsored One Week short Term Training Programme (STTP) on Startup driven Bioinnovation and IOT for Sustainable Agritech", 23rd August to 28th August 2021", Dept.Of Biotechnology, The Oxford College of Engineering, Bommanahalli, Bangalore-560068.
 13. Three days online FDP on “ Research grants, publications and consultancy skills for Academicians”, 6th to 8th march 2023, Dept of electronics and telecommunication engineering and skill development centre, Bangalore Institute of technology, Bangalore.
 14. One week online Faculty Development program (FDP) on Green Biotechnology and Bioenergy” 18th to 24th December 2023, Deparment of Biotechnology, Arunai Engineering College, Tiruvannamalai, Tamilnadu, In association with Biotech Research Society, India (BRSI), Indian Society for Technical Education (ISTE) and Institution’s Innovation Council (IIC) chapter of this Institution.
 15. 15 day Online Internship and certification course on “Phytochemistry and Drug Discovery” from 11th to 26th August 2026, organized by Institute of Innovations, Tiruvannamalai, Registered MSME, Government of India.
- Workshops/Seminars/Symposium Attended: Attended 93 workshops.**

Achievements/Awards / Abroad visit / Professional Membership

Professional Membership.

1. Life time member for Indian National Science Congress. 2018
2. Life membership of International Institute of organized research, 2020
3. Life Member of Green ThinkerZ™ Society, 2021
4. Evaluator for International Conference – CONFLUENCE 2025, on the theme "Advancing Sustainability through Multidisciplinary Research and Innovation in Pharmaceutical Sciences." 6th, 7th,

	and 8th of November 2025 at GM Institute of Pharmaceutical Sciences and Research, Davangere.
	Abroad visit 1. Visited Department of Plant Biology, University of California, UC Davis on Intern fellowship sponsored by DST in 2014.
	2. Visited Bankgok to Attend International Conference on Advances in Science and Engineering in 2017.

Invited talks/Keynote speakers	
1.	Special guest on the event Kala Kruthika (Fashion Utsava) – 2021 , organised by Kalanikethana College of Fashion Designing in collaboration with Davangere University at Pooja International Hotel on 25/10/2021.
2.	Keynote speaker in 7th International Conference on Interdisciplinary Research for Sustainable Development 2021 (Virtual IRSD 2021) Organised by Green ThinkerZ & I2OR in association with Western Sydney University, Australia and Wakelet - Manchester UK on 25th December 2021.
3.	Invited speaker on the topic “Combating cancer with Natural products- from folklore to Practice” in GM Institute of Pharmaceutical Sciences and Research, Davangere on 15-9-2021.
4.	Session Chair on the international conference “Confluence 2025” organized by GM Institute of Pharmaceutical sciences and Research, Davangere on 07-11-2025
5.	Special lecture series on Chromatographic techniques on 14th & 15th November 2025 at The Department of Applied Botany, Mangalore University
6.	Special lecture series on Separation technique of secondary metabolites on 6th October 2025 at The Department of Applied Botany, Mangalore University”.
7.	Jury member for Saamskruthika Sangama- 2026, the Annual Cultural fest organized by the Institute of Management Studies, Davangere University on 19/06/2026 for the competition of cultural event.

Personal Details		
Gender	Female	
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	Manasa. D. J W/O Prof. Nagaraja. G. K, D/N 535/233, Manasu Nilaya, Dollar’s Colony, Shamanur, Davangere- 577004.	Manasa. D. J W/O Prof. Nagaraja. G. K, D/N 535/233, Manasu Nilaya, Dollar’s Colony, Shamanur, Davangere- 577004.

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