

Personal Profile

Dr. Nivas Manohar Desai

Dapoli Urban Bank Senior Science College, Dapoli, Dist- Ratnagiri

Email: nivasdesai88@gmail.com; nivasdesai@dubsscdapoli.in

Contact Number: 8310911526



Qualifications:

M.Sc.in Botany (Shivaji University, Kolhapur)

Ph.D in Botany (Shivaji University, Kolhapur)

Fellow of Association of Plant Science Researchers, Dehradun

Major Achievements:

- AD Scientific Ranked Scientist (Biological Sciences)
- DST Fasttrack Young Scientist Fellow, New Delhi
- Fellow of Association of Plant Science Researchers (FAPSR)

Role in University administration, Co-Curricular and Extra Curricular Activities:

- NEP F.Y., B.Sc. Botany Syllabus Framing Committee member of University of Mumbai from 2024.
- Subject Expert in One day workshop for M.Sc. I Botany Revised Syllabus NEP 2020 at R D and S H National College, Bandra Mumbai.
- Working as examiner/ Paper setter for T. Y. B. Sc and M. Sc.I theory and Practical Examinations at University level.

Role in college administration, Co-Curricular and Extra Curricular Activities:

Co-Convener for NAAC criteria 5

Committee member: Youth Festival- Sports Committee (2023-2024), Avishkar Research Convetion (from 2023), Research Forum (from Sept 2023).

Topics of Interest:

Medicinal Plant Phytochemistry, Plant Physiology, Nutritional Botany, Stress Physiology, Mangroves and Coastal Plants, Food Science and Technology, algal biofuel.

Patents :- 09

➤ INTERNATIONAL PATENT: 04

Sl. No	Details of Product/ Technology/ Discoveries/ Patents/ Software*	Patent No./Country of patent Release/ notification details Commercialization	Type	Applicant/ Innovator
International Patents				
1	Title : Synthesis of Blood Cancer cell growth inhibitor using the extract of opuntia and other herbs 1. Dr. Dattatray K. Gaikwad 2. Dr. Chirag U. Narayankar 3. Dr. Nivas Manohar Desai 4. Dr. Manasi S. Patil 5. Dr. Umesh Ramchandra Pawar 8. Dr. Sagar A. Deshmukh 9. Dr. Pratihtha Nagane	Patent no. 2021107254 Status : Granted on 19/01/2022	Australian Design Patent	Applicant
2	Title : Mouth Cancer Detecting Device 1. Dr. Chirag U. Narayankar 2. Dr. Nivas Manohar Desai 3. Dr. Manasi S. Patil 4. Dr. Sudarshan Tanaji Charapale 5. Dr. Dattatray K. Gaikwad 6. Dr. Mohan Martand Rajmane	Patent no. 29842289 Status : Under Review 06/04/2022	Ameriacn (US) Design Patent	Innovator

3	Title : Mosquito Repellent Electric Device 1. Dr. Vaishali Sangram Shewale 2. Dr. Nivas Manohar Desai 3. Dr. Pallavi Vinayak Khairmode 4. Dr. Manasi S. Patil 5. Dr. Mohan Martand Rajmane, 6. Ms. Swati Tanaji Lawand, 7. Dr. Chirag Umaji Narayankar, 8. Dr. Sudarshan Tanaji Charapale	Patent no. 6279577 Status : Granted on 10/05/2023	UK Design Patent	Innovator
4	Title : Silkworm Rearing Chamber Inventers 1. Dr. Varsha Sandip Kumbhar 2. Dr. Amol Balbhim Mamlayya 3. Dr. Nivas Manohar Desai 4. Dr. Vijayalaxmi Balbhim Mamlayya 5. Miss. Anita Balbhim Mamlayya 6. Dr. Amar Bhaskar Kamble 7. Dr. Umesh Ramchandra Pawar 8. Dr. Chirag U. Narayankar	Patent no. 369505-001 Status : Granted on 23/12/2022	Indian Design Patent	Applicant
Indian Patents:- 05				
1	Title : Silkworm Rearing Chamber Inventers 1. Dr. Varsha Sandip Kumbhar 2. Dr. Amol Balbhim Mamlayya 3. Dr. Nivas Manohar Desai 4. Dr. Vijayalaxmi Balbhim Mamlayya 5. Miss. Anita Balbhim Mamlayya 6. Dr. Amar Bhaskar Kamble 7. Dr. Umesh Ramchandra Pawar 8. Dr. Chirag U. Narayankar Application is under process for Commercialization	Patent no. 202213392 Type : Status : Registered on 18/7/2022	Australian Design Patent	Innovator
2	Title : Device To Dispense Breast Cancer Medication 1. Dr. Dattatray K. Gaikwad 2. Dr. Chirag U. Narayankar 3. Dr. Nivas Manohar Desai 4. Dr. Manasi S. Patil 5. Dr. Umesh Ramchandra Pawar 6. Dr. Navnath M. Pise 7. Dr. Sudarshan T. Charapale 8. Dr. Indrajit A. Samant 9. Miss. Supriya Chougule 10. Miss. Ankita Kolekar	Patent no. 346669-001 Status : Granted on 10/09/2021	Indian Design Patent	Applicant
3	Title : Animal detecting and alerting device for agriculture field 1. Dr. Vaishali Sangram Shewale 2. Dr. Nivas Manohar Desai 3. Dr. Sudarshan Tanaji Charapale 4. Dr. Chirag U. Narayankar 5. Dr. Mohan Martand Rajmane, 6. Dr. Nirmala Patil, 7. Dr. Amrut Bhosale 8. Mrs. Snehal Shinate	Patent no. 375913-001 Status : Granted on 21/12/2022	Indian Design Patent	Innovator
4.	Title : Device for synthesis of Biodiesel from vegetable oil 1. Dr. Vaishali Sangram Shewale 2. Dr. Nivas Manohar Desai 3. Dr. Manasi S. Patil 4. Ms. Kranti M. Ghorpade 5. Dr. Mohan Martand Rajmane 6. Dr. Pallavi Vinayak Khairmode 7. Ms. Varsha Suprit Yadav 8. Mr. Vivek Netam	Patent no. 376107-001 Status : Granted on 24/12/2022	Indian Design Patent	Innovator

5.	Title : Polyherbal Mosquito Repellent Composition 1. Dr. Nivas Manohar Desai 2. Dr. Vaishali Sangram Shewale 3. Ms. Varsha Suprit Yadav 4. Ms. Kranti M. Ghorpade 5. Dr. Mohan Martand Rajmane 6. Mr. Vivek Netam 7. Mrs. Snehal Shingate	Patent no. 202321016363 Status : Published on 11/03/2023	Indian Utility Patent	Innovator
----	--	--	------------------------------	-----------

➤ **PRODUCT DEVELOPED AND TRADEMARK:- 01**

1. **'Shivtej'** A ayurvedic joint pain relief oil **Attorney Code: 17108**

➤ **Start up :- Shiv Ayur Medicinal Botanical Products under Shivaji University Incubation cell**

➤ **Technology:- 02**

1. Technology for the development of Diet Coffee Cubes (Chlorogenic acid Enriched Coffee cubes). CFTRI, Mysuru, Karnataka
2. Research team member for the development of Solvent free extraction of Chlorogenic acid from green coffee beans. CFTRI, Mysuru, Karnataka

AWARDS AND HONORS: 08

1. **Young Scientist Award, 2024**, Indian Society of Agricultural Science & Technology for Rural Empowerment, Karnataka.
2. **Research Excellence Award 2024**, Society for Advanced research in Plant Science, Madhya Pradesh
3. **M. S. Swaminathan Research Fellow Award-2021**, Plantica Foundation, Deharadun, Uttarakhand
4. **Fellow of Association of Plant Science researchers(FAPSR)-2020**Deharadun, Uttarakhand
5. **Research Excellence Award- 2020**, Institute of Scholars, Bengaluru.
6. **Young Scientist Award in Engineering, Science and Medicine- 2019**-VD Good, Chennai, India.
7. **Best Young Scientist Award- 2018**- Scire Science, Kochi, Kerala, India.
8. **Fast Track Young Scientist- 2013**- Department of Science and Technology (New Delhi).

ORIENTATION/FACULTY DEVELOPMENT PROGRAM: 05

1. Faculty Development Program 'Inclusion and Diversity'- 02/01/2024 to 05/01/2024, MSFDA Pune
2. Faculty Induction Program- 22 Oct to 20 Nov., 2023 RC MOOCS- Organized by KM.MAYAWATI GOVT GIRLS P G COLLEGE Badalpur, GB Nagar, Uttar Pradesh.
3. Managing Online Classes and Co-creating MOOCS- PMMMNMTT, Organized by Ramanujan College, New Delhi. Duration-15 days
4. Insights into Quality Research and Innovations, Vivekanand College of Engineering for Women, Tamil Nadu. Duration:- 07 days
5. ICT tools for Effective Teaching Learning, Under UGC-STRIDE SRTM University, Nanded. Duration:- 07 days

RESEARCH PROJECTS:05

Sr. No.	Title	Role	Funding Agency	Sanctioned Amount (Rs.)	Status
1.	Optimization of growth and lipid production by some halophilic cyanobacteria under varied environmental and nutritional condition.	Principal Investigator	SERB- Department of Science and Technology, New Delhi	30 Lakhs	Completed (2014-2017).
2.	Biodiversity assessment of Mining area	Cordinator	Industry Sponsored project	4.25 Lakhs	Completed (2019-21)
3.	Biodiversity assessment of Mining area	Cordinator	Industry Sponsored project	4.25 Lakhs	Completed (2019-21)
4.	Conservation of Mangrove plant Sonneratia alba	Co-cordinator	Mumbai University Minor Project	25,000/-	Ongoing (2020-21)
5.	Digitization of Mangroves from Sindhudurg district	Co-cordinator	Mumbai University Minor Project	25,000/-	Ongoing (2020-21)

ENVIRONMENTAL CONSULTANCY PROJECTS:- 04

Worked also on various ecologically sensitive marine habitats for environmental consultancy projects

1. Demarcation of area for edibility and non-edibility of edible bivalves in region influenced by mangrove habitats along the Goa coast, central west coast (CWC), India, by determination of trace metal concentrations in it and action thereof.
2. Compensatory Plantation of Mangroves by PWD, Chiplun, Maharashtra, in Response to the Construction of Bridge over Kelshi creek. Sponsored by, PWDC Chiplun. 2011.
3. Evaluation of mangroves of Vasisthi estuary, and preparation of their conservation plan, in response to the proposed thermal power plant by MAHAGENCO at Dhopawe (Guhagar), Ratanagiri, Maharashtra.
4. Evaluation of Mangroves in the Coastal Area Proposed for Development By Navabag Resorts LLP, Pune, at Vengurla, Maharashtra

➤ Social Skill and Competencies

1. Interaction with coastal peoples for the conservation and management of mangroves.
2. Actively participated in National Social Services (NSS)

RESOURCE PERSON/ INVITED LECTURE:- 17

1. Resource Person for National Conference on Recent Trends in Plant Sciences, 29/02/2024.
2. Resource Person for National Seminar on Wetland-Nature's Kidney organized by Dada Patil Mahavidyalaya Karjat on 01/02/2024
3. Resource Person at Bhogawati Mahavidyalaya, Kurukali on Potential Medicinal Plants in Disease Management, 16/09/2022
4. Resource Person at SPK College Sawantwadi for Lead College Activity on 13th Sept. 2022.

5. Resource person at One day workshop on Research Methodology organized by Research Promotion cell of Dr. Patangrao Kadam Arts, Commerce and Science College, Ramanandnagar 07/04/2022
6. Chief Guest Lecture on Encapsulation of Nutraceuticals in a lead college activity at Y.C.I. Satara, 31st March 2022
7. Keynote speaker at National Conference on Advances in Plant Sciences Research. Organized by Plantica foundation Dehradun, Uttarakhand, 20th& 21stNov., 2021.
8. Resource Person at Faculty Development Program Under Paramarsh Scheme, Organised by SGM College, Karad, in collaboration with PMMMNTT & HRDC Pune. 13th to 18th September, 2021.
9. Resource Person at National Seminar on “Research Outlook: Innovative practices”, SGM College, Karad, 28th -29th Feb., 2020.
10. Resource Person at National Seminar on “ Role and contribution of Marine Resources in Economic Development of South Konkan”- SPK Mahavidyalaya, Sawantwadi 12th Feb 2020.
- 11. Invited talk on “Green Coffee Technologies and Products” in An 3rd Asian conference on Science, Technology and Medicine, Held at Dubai (UAE), 12-14 Feb., 2019.**
12. Resource Person:- Delivered a lecture on “Community based adaptation, climate change and role of NSS” In Orientation Program jointly organized Government of India, Ministry of Youth Affairs and Sports, National Service Scheme, Empanelled Training Intitute Shivaji University, Kolhapur, MH. 3/12/2019.
13. Guest Lecture on “Recent Advancements in Botany”, Invited by Ajara Mahavidyalaya, Ajara, Maharashtra. December 2018.
14. Invited lecture on ‘Diversity and Distribution of Marine algae’ for PG Diploma on Biodiversity at Pancham Khemraj College, Sawantavadi.
15. Resource person in The National Workshop on Mangrove Awareness on 15th&16th Jan., 2009.
16. Resource Person in the currier Oriented Programme for Nursery Techniques, Tuljaram Chaturchand College, Baramati.
17. Resource person for The Workshop on Mangrove Awareness on 18th Jan., 2010 & 9th Feb., 2010.

Published: 35

Sr. No.	Paper Details	First /Corr. author	Cit.
2022			
1.	KRANTI GHORPADE VIVEK NETAM NIVAS DESAI VAISHALI SHEWALE (2022)Ascertaining role and importance of artificial diet and botanicals mediated serifeed for the strengthening of sericulture industry, - UTTAR PRADESH JOURNAL OF ZOOLOGY, Volume 43, Issue 22, Page 46-54		
2.	Padmashri D Awate, Manasi S Patil, Chirag Narayankar, Dattatraya K Gaikwad, Nivas Desai. (2022). Studies on Drought Tolerance of Medicinally Important Oil Yielding Plant Simarouba glauca. Ymer 8(8):601-611		
3.	Sudarshan Charapale, Chirag Narayankar, Nivas Manohar Desai, Dattatraya K Gaikwad (2022). ORGANIC FARMING APPROACH FOR RILIALE AND SUSTAINABLE AGRICULTURE PRACTICES. The Dickensian 22(6):17		
2021			
1.	Mohite Karishma, Pawar Umesh, Mamlayya Amol, Desai Nivas, Vikram Kakulte (2021). Development of Junoniaiphitacramer (nyphaliae: Lepidoptera) on new larval food plant Asystasiagangetica (L.) T. Anderson. International Journal of Entemology Research, 7(3): 115-117.	-	
2020			
2.	NivasManohar Desai , Glory S Martha, Nanishankar V Harohally, Pushpa S. Murthy (2020): Non digestive oligosaccharides of green coffee spent and their prebiotic	First Author	10

	efficiency. LWT- Food Science and Technology.118, 108784 (IF=4.952)		
3.	Nivas M. Desai, Bubby Malik, Suresh Sakhare, Pushpa S Murthy. Prebiotic oligosaccharide enriched green coffee spent cookies and their nutritional, physicochemical and sensory properties. LWT- Food Science and Technology.134, 109924(IF=4.952)	First Author	
4.	Nivas M. Desai, Joseph P., Pushpa S Murthy (2020). Green Coffee Nanoparticles:optimisation, in vitro bioactivity and bio-release property. J Microencapsul. 37(1):52-64. (IF:- 3.142)	First Author	12
5.	Nivas M. Desai, Devendra J Haware, K. Basavaraj, Pushpa S Murthy (2018): Microencapsulation of antioxidant phenolic compounds from green coffee. Preparative Biochemistry & Biotechnology 49(4):1-7/ (IF-2.162)	First Author	18
6.	V Pimpley, S Patil, K Srinivasan, N Desai , PS Murthy. (2020). The chemistry of chlorogenic acid from green coffee and its role in attenuation of obesity and diabetes. Preparative Biochemistry & Biotechnology 50 (10), 969-978.(IF-2.162)	Corrs. Author	16
7.	ManasiPatil, Nivas Desai , UmeshPawarand D.K. Gaikwad (2020). Effect of plant growth regulators on seed Germination and seedling growth of colubrinaAsiatica L. StudiaRosenthaliana (Journal for the Study of Research), 12(8): 41-46	Corrs. Author	
8.	ManasiPatil, Nivas Desai , AhilyaWaghmodeand D.K. Gaikwad (2020).Effect of exogenous application of plant growth regulators on physiology and secondary metabolite accumulation of ColubrinasasiaticaL.StudiaRosenthaliana (Journal for the Study of Research), 12(9): 103-108	Corrs. Author	
2019			
9.	Dethe U. L., Desai N.M. , Aparadh V.T., Pawar U.R. and D. K. Gaikwad (2019). Allelopathic effect of ranmodi (chromoleanaodorata l.) Leaf Extracts on enzymatic antioxidant machinery of some coastal Plants	Corrs. Author	
10.	Mammalayya A. B., Desai N.M. , Dethe U.L. Pawar U.R. and Bharmal D.L. (2018). Insect herbivores, their distribution and host range in the Radhanagari and plantations forest of, Kolhapur district, Maharashtra . International Journal of Research, 8(3):3393-3404	Corrs. Author	
2018			
11.	Desai N.M. , Dethe U.L. Pawar U.R. and Bharmal D.L. (2018). Water quality assessment of the manasi estuary, Vengurla, Maharashtra central west coast of India. International Journal of Research, 7(8):1268-1274	First Author	
12.	Mammalayya A. B., Desai N.M. , Dethe U.L. Pawar U.R. and Bharmal D.L. (2018). Insect herbivore community of amba reserved forest Kolhapur district, (MS), India. International Journal of Research, 7(9):1421-1428	Corrs. Author	
2016			
13.	Desai Nivasand Gaikwad D.K.(2014). Chemical characterization of Enzymatically treated Morinda Juice. Asian Journal of Biochemistry 11 (1): 14-23, 2016	First Author	
2015			
14.	Allelopathic effects of leaf litter leachates of mangrove <i>Excoecariaagallocha</i> L.on rice seedlings. <i>Allelopathy Journal</i> 36 (2): 293-302 (2015)(IF-1.275)	First Author	--
15.	Desai Nivas and Gaikwad D.K. (2014). In vitro Antioxidant properties of <i>Colubrinasasiatica</i> . Journal of Chemical and Pharmaceutical Research. Asian journal of Pharmaceutical Research and DevelopmentResearch Journal of Medicinal Plant 9 (7): 307-320, 2015	First Author	
2014			
16.	Desai, N., & Gaikwad, D. (2014). Essential Oil Composition and Antibacterial Activity of Colubrinasasiatica (L.) Brong. Asian Journal of Pharmaceutical Research and Development, 2(4), 13-17.	First Author	--
17.	Desai Nivas, U.L. Dethe and D.K. Gaikwad, 2015. In vitro Antioxidant Activities and Antimicrobial Efficacy of Asian	First Author	--

	Snakewood; <i>Colubrinasasiatica</i> (L.) Brongn. Research Journal of Medicinal Plants, 9: 307-320.		
2013			
18.	Desai Nivas and Gaikwad D.K. (2013).Rapid bioassay for the study of growth promoting activity of <i>Morindapubescens</i> leaf extract. Asian Pacific Journal of Reproduction, 2(3): 225-228.	First Author	--
2012			
19.	Prachi s. Shenai-Tirodkar, Nivas Desai and TanajiJagtap (2012). Ecological observations and GC-MS analysis of Methanolic extract of <i>SacoglossanElysiaBangtawaensis</i> (swennen). The Bioscan., 7(3):457-461.	First Author	--
2011			
20.	Sonar B.A., Desai N*,Gaikwad, D.K. and P.D. Chavan (2011): Assessment of Salinity-Induced Antioxidative Defense System in <i>Colubrinasasiatica</i> Brongn. Journal of Stress Physiology and Biochemistry. 7(3):193-200.	Corrs. Author	
21.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2011): Physiological responses of two <i>Morinda</i> species under saline conditions. American Journal of Plant Physiology,6(3): 157-166.	First Author	
2010			
22.	Nivas D, Sonar BA, Shaikh SS, Patil UH, gaikwad DK, Chavan NS, Sabale AB and Chavan PD (2010): Screening of Some Coastal Plant Resources for Their Antioxidant Potential, Total Polyphenol and Flavonoid Content. Science Direct, DOI http://dx.doi.org/10.1016/S0975-3575(10)80083-5 , Phcog J., 2(7) 151-156, 2010.	First Author	
23.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Free radical scavenging potential and antioxidant properties of Indian noni fruits, Nutraceuticals, 1: 11-13.	First Author	
24.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Antiradical activity of <i>Morindapubescens</i> fruits. Int. J. Pharma and Bio Science. 1(3):1-4	First Author	
25.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Proximate composition and some physicochemical Properties of <i>Morinda</i> pulp. Journal of Applied Biology and Pharma. Tech. 1(3):679-682.	First Author	
26.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Analysis of Fatty Acids From <i>Morinda Pubescens</i> Seed Oil Using GC-FID. Int. J. Pharma Res. Devl. 2(6):1-5	First Author	
27.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010) Phytochemical screening of <i>Morinda</i> fruits. Bioinfolet. 8 (1) : 26	First Author	
28.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Fatty Acid Profile Of Seed Oil Of Two <i>Morinda</i> Species Growing In Different Habitats' Journal of Pharmacy Research. 4(3),841-842.	First Author	
29.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): A review on ethnobotanical and medicobiological applications of Genus <i>Morinda</i> J. Ethnopharmacology. 2(1): 3-13.	First Author	
30.	Desai Nivas, Gaikwad, D.K. and P.D. Chavan (2010): Antioxidant potential of <i>Morinda pubescens</i> fruits. Journal of Pharmacy Research. 4(3),829-831	First Author	
2009			
31.	Desai Nivas and Gaikwad, D.K. (2009): Biocemical changes during maturation of fruits of valuable medicinal plant <i>Morinda</i> . The Bioscan, 4(3): 495-498.	First Author	
2004			
32.	Neelam Patil, Shashikant Chavan and Nivas Desai (2004): A research paper in the proceedings of National Conference on "Plant Diversity and Biotechnology" held at Dhule, entitled ' Soil Aeration: An ecofriendly technological innovation for soil conditioning leading to higher yield' Dec., 2004.	No	

* **Corresponding Author;**#Thomas Reuters Impact Factor,

BOOK PUBLISHED: #01

Title :- Physiological studies in a valuable medicinal plant Noni.

Publisher:- LAP Academic Publishing, U.S.A.

ISSN No.:- 978-8473-4833-7

BOOK EDITED:-07

Sr. No.	Title	Publisher	ISBN No.
1	Climate Change, Mangrove and Sustainable Management	Bhumi Publishing, Kolhapur, MS India	978-93-88901-10-9
2	Research Interventions and Advancements in Plant Sciences	Bhumi Publishing, Kolhapur, MS India	978-93-88901-14-7
3.	Research Interventions and Technological Advancements in Plant Sciences	Bhumi Publishing, Kolhapur, MS India	978-81-951982-3-8
4.	PLANTA Research Book Series Vol II	Plantica Foundation, Dehradun	978-81-953419-4-8
5	Environmental Stresses and Plant Metabolism	AAP Publisher, CRC Press, Taylor and Francis Group	9781774910948
6	Medicinal Plant Treasures of India	IIP Publishing House Karnataka	978-1685760410
7.	Plant Metabolites under Environmental Stress: Mechanisms, Responses, and Adaptation Strategies.	CRC Press, Appale Academic Press, Tylor and Francis Group	Hard ISBN: 9781774910948 E-Book ISBN: 9781003304869

BOOK CHAPTERS: 12

Sr. No.	Chapter Title	Book Title	Publisher	Year	ISBN
1.	Nitrogen Metabolism	Reference book on Life Sciences	Nirali Prakashan Pune	2024	9788119117048
2.	Plant Growth Regulators	Reference book on Life Sciences	Nirali Prakashan Pune	2024	9788119117048
3.	Coastal Ecosystem in Effective Climate Change Adaptation (CCA) and Disaster Risk Reduction (DRR) Measures	Emerging Trend in Sciences and Allied Sciences	Nature Light Publications, Pune	2024	978-81-959483-9-0
4.	A Brief Review on Bioprospecting of Passiflora	Emerging Trend in Sciences and Allied Sciences	Nature Light Publications, Pune	2024	978-81-959483-9-0
5.	Algae as a Nutraceutical, Functional Food, and Food Ingredient	Algal Genetic Resources	AAP/CRC Press, USA	2021	978-17-746374-8-7
6.	Microbial Nanotechnology: New Horizons In Food Science And Technology	Microbial extremozyme	Elsivier	2021	978-01-282294-5-3
7.	Algae: A potential source in progressing nanotechnology	Algal Nanotechnology	Springer Nature	2021	978-3-030-81557-8
8.	Environment pollutants during coffee processing and its valorization	Handbook of Environmental Materials Management	Springer	2020	978-3-319-73646-4
9.	Algae: The future of Bioenergy	Advances in Biofeedstocks and Biofuels, Edited by Lali t Kamel Singh (ed.)	Wiley Publications.	2017	978-1-1191172-5-4
10.	Sustainable development of	Global Initiatives for Waste	IGI Global.	2018	978-15-22577065

	Coffee and Cocoa Agro-waste.	Reduction and Cutting Food Loss. Edited By- AparnaGunjal,			
11.	Aquaponics- A Bio-integrated Modern Farming System	Modern Trends In Agriculture ISBN-978-81-934009-6-8	Scire Science, Kerala	2019.	978-81-934009-6-8
12	Green Coffee- The queen of beans	Indian Coffee Magazine	Coffee Board of India	2019	

Seminars/workshops/Conferences participation:

Conference/ Seminar Papers Presented: **International:11, National:16,**

Conference/ Seminar Attended: **International:11, National:23,**

Professional and Public Activities:

- Life Member of Mangrove Society of India.
- Life Member of journal 'Scire Science, Kerala'
- Life Member Asociation of Plant Science Researchers, Deharadun
- Member VGood Science factory- Chennai, Tamil Nadu
- Member Institute of Scholars, Bangalore
- Reviewer- Journal of Preparative Biochemistry & Biotechnology, Taylor & Francis