



MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

DR. NIDHI DIDWANIA

Designation: Associate Professor

Managing Director, M/s Tricho Agronica Pvt. Ltd.(IOCL Start-Up)

Qualifications: B.Sc. (Rajasthan University), M.Sc. Botany (Rajasthan University), PhD. Plant Pathology, Botany (Rajasthan University).

Email ID: nidhididwania.fet@mriu.edu.in

Experience: 15 Years



[Google Scholar Profile:](#)

<https://scholar.google.com/citations?user=qfny1HIAAAAJ&hl=en>

Research Interests: Biodiversity and Ecosystem Conservation, Agricultural Biotechnology, Crop Protection, Plant Pathology, Nematology, Medicinal Plants.

+ Journal Publication Details:

- **Surbhi Gupta, Nidhi Didwania (June 2021)** Role of Medicinal plants as green pesticides against *Alternaria* blight. Bulgarian Journal of Agricultural Science (BJAS). Volume 27, Number-03, pp: 562-568 ISSN 1310-0351 (print) ISSN 2534-983X (online) SJR 2018 – 0.261 Web of Science - Emerging Sources Citation Index, Scopus, EBSCO, CAB Abstracts, Google Scholar.
- **Surbhi Gupta, Nidhi Didwania and Dinesh Singh** (September 2020) Biological control of mustard blight caused by *Alternaria brassicae* using plant growth promoting bacteria. **Current Plant Biology**, Volume 23, 100166 <https://www.sciencedirect.com/science/article/pii/S2214662820300475> <https://doi.org/10.1016/j.cpb.2020.100166> Source Normalized Impact per Paper (SNIP): 0.978, Elsevier, ESCI
- **Surbhi Gupta, Nidhi Didwania (November 2019)** "Studies on The Impact Of Abiotic And Nutritional Factors On Mycelial Growth And Sporulation Of *Alternaria brassicae* Causing Blight In Indian Mustard" International Journal of Scientific & Technology Research Volume 8 - Issue 11, pp: 2996-2999. ISSN: 2277-8616 Elsevier Scopus, Google Scholar
- **Divya Sharma, Seema Yadav and Nidhi Didwania (October 2019)** Cumin (*Cuminum cyminum* L.): Chemical constituents and therapeutic potential. Ambient Science. Vol-06 (Sp-1) Web of Science ISSN- 2348 5191 (Print version); 2348 8980 (Online) National Cave Research and Protection Organization (Save Caves, India)
- **Pushpa, Nidhi Didwania (October 2019)** Cryopreservation Technique: A powerful tool for long term preservation of endangered medicinal plants. Ambient Science. Vol-06 (Sp-1) Web of Science, ISSN- 2348 5191 (Print version); 2348 8980 (Online), National Cave Research and Protection Organization (Save Caves, India). DOI: 10.21276/ambi.2019.06.sp1.ta02
- **Deepti Sadana, Nidhi Didwania (August 2019)** Integrated Disease Management of Bull's eye pathogen infecting *Lycopersicon esculantum* (Tomato). Journal of Microbiology, Biotechnology and Food Sciences Vol. 9 (1), pp 53-57, ISSN: 1338-5178 Web of Science, Scopus, EBSCO, Impact Factor after 3 years. doi:10.15414/jmbfs.2019.9.1.53-57.

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| <ul style="list-style-type: none"> • Nidhi Didwania, Swati Jain and Deepti Sadana. (March 2019) In vitro Phytotoxic Effect of Cadmium on Morphological Parameters of <i>Allium cepa</i>. (Scopus) Jordan journal of Biological Sciences. Volume 12, Number 1, pp: 37-41. ISSN: 2307-7166 |
| <ul style="list-style-type: none"> • Deepti Sadana and Nidhi Didwania (2018) Evaluation of tomato genotypes for resistance against <i>Alternaria solani</i> causing early blight under field conditions, Faridabad,India. Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 20, No. (3) : 1009-1012.(Scopus)H Index Rating 9 NAAS Rating – 4.93 |
| <ul style="list-style-type: none"> • Deepti Sadana and Nidhi Didwania (2017) Screening of various organic treatments against leaf blight disease of tomato in vitro and green house conditions. Der Pharmacia Lettre. Volume 9(6): 1-7, U.K 2016 (Scopus) Impact Factor (2 years): 1.96,2016 Impact Factor (5 years): 5.053 |
| <ul style="list-style-type: none"> • Vandana Nandal, Manu Solanki, and Nidhi Didwania (December 2016) Potential of Zinc Solubilizing Bacterial Inoculants in Fodder Crops. International Journal of Engineering Technology Science and Research, Volume 3, Issue 12 2016 pp1-4,Impact factor-2.1 |
| <ul style="list-style-type: none"> • Nidhi Didwania, Manu Solanki and Chanpreet Kaur (December 2016) Selection of strain and optimization of Asparaginase production in <i>Trichoderma harzianum</i>. International Journal of Engineering Technology, Management and Applied Sciences, Volume 4, Issue 12, ISSN 2349-4476 pp31-36 Impact factr-2.24 |
| <ul style="list-style-type: none"> • Deepti Sadana, Nidhi Didwania (April 2016) Evaluation of fungicides, plant extracts and Trichoderma Harzianum against early blight disease of tomato plants under in vitro and greenhouse conditions. African Journal of Science and Research. Vol. 5, No. (2). |
| <ul style="list-style-type: none"> • Deepti Sadana and Nidhi Didwania. (April-June, 2015) Bioefficacy of Fungicides and <i>Trichoderma harzianum</i> Against <i>Alternaria solani</i> Causing Early Blight of Tomato. Journal of Agroecology and Natural Resource Management (JANRM). Vol. 2, No. (3): 181-186. |
| <ul style="list-style-type: none"> • Nidhi Didwania and P. C. Trivedi (Dec, 2014) Mycotoxins: A review of metabolism and biological approaches to counteract the production in food. MR International Jr. of Engineering and Technology. Vol. 6, No. (2): 38-42 |
| <ul style="list-style-type: none"> • Nidhi Didwania, Deepti Sadana, Neha Katyal. (Jan, 2013). A Review on Current Research Advancement on Wilt Disease of Psidium Guajava L. with Special Reference to Management. International Journal of Science and Advanced Technology, Volume 3 (1) p 8-13 |
| <ul style="list-style-type: none"> • Manisha Joshi and Nidhi Didwania (2013). Optimization of Pretreatment of Wheatstraw for Bioethanol Production. International Journal of Pharma Bioscience and Technology, 1(2), 102–107. |
| <ul style="list-style-type: none"> • Nidhi Didwania and Manisha Joshi (July,2013) Mycotoxins:A critical review on occurrence and significance Int J Pharm Pharm Sci, Vol 5, Issue 3,1014-1019 (Scopus, Elseiver) Impact- 1.59 |

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| <ul style="list-style-type: none"> • Nidhi Didwania, Deepti Sadana and P. C. Trivedi (2013) Antibacterial activity of a few medicinal plants against <i>Xanthomonas campestris</i> pv. <i>campestris</i>. Int. J. Res. Pharm. Sci., 4(2), 177-182(Scopus) |
| <ul style="list-style-type: none"> • Nidhi Didwania, Manu Solanki and P. C. Trivedi (July-Sept, 2013) Biocontrol of <i>Alternaria</i> blight of Cauliflower by Plant-Growth Promoting Rhizobacteria. Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 15, No. (3) : 567-572.(Scopus)H Index Rating 9 NAAS Rating - 2.6 |
| <ul style="list-style-type: none"> • Didwania, N. and Trivedi, P. C. (2011). Variability in Indian isolates of <i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i> causing cucumber wilt. J. Phytol Research. Vol 24 (2) 177-181 |
| <ul style="list-style-type: none"> • Didwania, N. and Trivedi, P. C. (2010). Evaluation of different AM fungi against <i>Meloidogyne-Fusarium</i> complex infecting cumin. J of Environmental biology and Conservation. Journal of Environment biology and Conservation.Vol (15) |
| <ul style="list-style-type: none"> • Didwania, N. and Trivedi, P. C. (2010). Efficacy of <i>Trichoderma</i> spp. And <i>Paecilomyces lilacinus</i> against <i>Meloidogyne-Fusarium</i> complex infecting cumin (<i>Cuminum cyminum</i> L). J. Phytol Research.Vol 23(2)271-277pp |
| <ul style="list-style-type: none"> • Didwania, N. and Trivedi, P. C. (2010). Biocontrol effects of <i>Trichoderma harzianum</i> and <i>Gliocladium virens</i> and <i>Fusarium oxysporum</i> f. sp. <i>cumini</i> causing wilt of cumin.J. of Mendel Vol.27,1-2 pp |
| <ul style="list-style-type: none"> • Sharma, P. and Sharma, N. (2007) Hypovirulence as a tool of biological control against <i>Sclerotium rolfsii</i>. J ecofriend Agric, 2(1), 46-50. |
| <ul style="list-style-type: none"> • Sharma, N. and Trivedi, P. C. (2005). Microbial Bioagents: Economic multiplication and management of fungal-nematode complex on cumin. Indian Journal of Biotechnology, N. Delhi. Vol (4) 419-421 (Scopus) |
| <ul style="list-style-type: none"> • Sharma, N. and Trivedi, P. C. (2003). Studies on the interaction between <i>Meloidogyne incognita</i> and <i>Fusarium oxysporum</i> f. sp. <i>cumini</i>. J. Phytol Research. Vol. 16(1) 5-8 |
| <ul style="list-style-type: none"> • Sharma, N. and Trivedi, P. C. (2003). Evaluation of fungal antagonists, plant extracts and oil-cakes against <i>Fusarium oxysporum</i> f. sp. <i>cumini</i> causing wilt of cumin (<i>Cuminum cyminum</i> L). Journal of Indian Botanical Society, Vol (84)1-4 (U) |
| <ul style="list-style-type: none"> • Sharma, N. and Trivedi, P. C. (2002). Screening of leaf extracts of some plants for their nematocidal and fungicidal properties against <i>M. incognita</i> and <i>Fusarium oxysporum</i>. Asian journal of Experimental Sciences.Vol.16, No. 1 & 2, 21-28 pp |

+ Research Supervised (PhD):

- Ms. Surbhi Gupta “Biological Control of *Alternaria brassicae* Causing Blight Disease of *Brassica juncea* Through Microbial Consortium”(Awarded 2020)

- Ms. Deepti Sadana on ““Eco Friendly Management of Early Blight of Tomato Caused by *Alternaria Solani* in Faridabad District” (Awarded 2019)

+ **Book/Chapter Publications:**

- Pushpa and Nidhi Didwania (Jan 2020) Biotechnological Techniques for Plant Disease Detection. Book -Biotechnology for Plant disease diagnostics and management. Biotechnology for plant disease diagnostics and management. Prof. (Dr.) P.C. Trivedi- Pointer Publishers, Jaipur 302003 Rajasthan, India, pp 224-233, ISBN 978-81-7132-914-4
- Gupta S., Didwania N., Srinivasa N. (Feb 2020) Role of Biofertilizer in Biological Management of Fungal Diseases of Pigeon Pea [(*Cajanus cajan*) (L.) Millsp.]. In: Singh B., Singh G., Kumar K., Nayak S., Srinivasa N. (eds) Management of Fungal Pathogens in Pulses. Fungal Biology. Springer, Cham https://link.springer.com/chapter/10.1007/978-3-030-35947-8_12
- Nidhi Didwania, K.N. Gupta, Surbhi Gupta and Rajni Bisen (2019). Bio-intensive approaches in the management of fungal diseases of oil yielding crops. Bio-intensive Approaches –Application and Effectiveness in Plant Disease management. Mujeebur. R. Khan et al. Indian Phytopathological Society, New Delhi, pp 333-356, ISBN 81-7019-624-0 (India), ISBN 1-55528-448-5 (USA)
- Nidhi Didwania (2019). Diseases of Cumin and its Management. Diseases of Medicinal and Aromatic Plants and their Management (Eds. - Drs. Rakesh Pandey, A.K. Misra, Alok Kalra, H.B. Singh and Dinesh Singh) – Indian Phytopathological Society, New Delhi, pp 339-352, ISBN 81-7019-633-X (India), ISBN 1-55528-450-7 (USA)

+ **Administrative Responsibilities:**

- Managing Director of Start up, Tricho Agronica Pvt. Ltd.
- Exam Coordinator of Department since December 2020 till date
- Departmental Newsletter Coordinator-2017-18
- Attendance Co-ordinator- Department of Biotechnology 2010 till 2017
- Department Co-ordinator of Zephyr- the college magazine of FET, MRIU 2016
- Co-ordinator-Remedial classes/Extra classes till 2017
- Overall Co-ordinator-M. Tech 2012-2017
- International Activities Coordinator 2016 till date
- Departmental PhD Coordinator-2014-2016

+ **Professional Affiliation:**

- External Practical Examiner for BSc. (Botany Hons.), BOB-607 appointed by **Banaras Hindu University** on 16th March 2020
- External Practical Examiner for BSc. (Botany) Part-I at Tagore PG Girls College appointed by **Rajasthan University** on 9th March 2017.
- Reviewer for Archives of Phytopathology and Plant Protection (**Taylor and Francis Ltd.**), Jan 2021
- Reviewer for Current Plant Biology, (**Elsevier**), July 2020
- Reviewer for International Journal of Pharma and Bio Sciences, Volume-5 issue- 3,2014. (**Elsevier**)
- Life Membership of Delhi Tumor Board, New Delhi, Chairman, Dr. Ajit Saxena since

2019

- Life Membership of Indian Phytopathological Society, IARI, PUSA, New Delhi, since 2018
- Life Member of Green Chemistry Network Center, Dept of Chemistry, University of Delhi, American Chemical Society, since 2015
- Life Member of Indian society of Analytical Scientists, ISAS (Delhi Chapter), Indian Oil Corporation Ltd., since 2012
- Life Member of Indian Botanical Society (I.B.S), since 2010
- Member of Indian National Committee of International Association of Hydrogeologists (INC-IAH). 2016. Also member of Newsletter INC-IAH-2016

+ Expert Talk Delivered:

- Chair Session for 702-Ecology, Environment and Sustainable Development: Issues of Climate Change, Mountain Cities, Demographic pressure & Tourist Influx, Wednesday, 24th Feb 2021 at IV ISA Forum of Sociology, Porte, Alegre, Brazil, Challenges of the 21st Century: Democracy, Environment, Inequalities, Intersectionality (Virtual) from 23rd to 28th Feb 2021
- Invited Talk on “ROLE OF BIO-FORMULATION IN INTEGRATED MANAGEMENT OF FRUIT- ROT IN TOMATO UNDER TEMPERATE CONDITIONS OF KASHMIR” on 4th Oct 2020 at International Web Conference on Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020) being jointly organized by the Agricultural & Environmental Technology Development Society (AETDS), India; Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh; Soils, Water and Environmental Research Institute (SWERI), Agriculture Research Center, (ARC) Giza, Egypt and Corteva AgriScience during October 4-6, 2020.
- **Rapporteur** in Technical Session: Plant Pathology Entrepreneurship at the 7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals **on Jan 16-20, 2020** at ICAR-IARI, Pusa, New Delhi, India
- Invited Expert talk on “**Plant Pathologists entrepreneurship: From idea to business**” in the 7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals **on Jan 16-20, 2020** at ICAR-IARI, Pusa, New Delhi, India
- Invited Expert talk on “**Gene Editing: CRISPER/Cas9**” in the 2nd International Workshop on cancer Immunotherapy, Theme: Gene Therapy in cancer **on January 11th 2020** at India Habitat Centre, Lodhi Road, New Delhi.
- Invited Expert talk on “**Bioelixir: An Approach for Smart Agriculture**” at National seminar on Environmental problems and its management through Indian culture, IASE University, Sardarsahar, Rajasthan **on Jan 3-4, 2020**
- Resource Person for “**Constructed Wetlands**” at NCSTC supported and catalyzed DST project “Communicating Science through Model Water & Eco Health Clinic for Quality of Life” Eco Consult Meet (Water Quality & Budgeting), 20th-24th May 2019.
- Invited talk on “**Start-ups: turning research into an agent of change in biotechnology**” a DGHE (Director General Higher Education, Haryana) sponsored **National Seminar** entitled “**Emerging Trends in Life Sciences, Biotechnology and Conservation Strategies (ETLBCS)**” on **30th March, 2019** at K L Mehta Dayanand College, Faridabad, 30th March 2019
- Technical Lecture & Hands on “**Constructed Wetlands for Waste Water Treatment**” in **Micro-Training for City Officials**, Faridabad on “New Technologies for Waste Water

Treatment”, 15th March,2019, WASH Innovation Lab, Faridabad, Haryana

- Invited Talk at “**EcoThon**” conference & exhibition-**Solutions For Sustainability** on 1st-2nd March 2019 at IGNCA, New Delhi
- Expert Talk on **Interfacing with R & D lab (Tricho Agronica Pvt. Ltd.)** dated 11th March 2019 at Technology based Entrepreneurship Development Program in Association with DST & Honda from 11th Feb 2019 to 30th March 2019
- Invited talk “ **Molecular Biology of the Human Cell**” in a **workshop on Cancer Immunotherapy: From Lab to Clinic**, 12th Jan 2019 organized by **Delhi Tumour Board** at Pride Plaza, Aerocity, New Delhi
- Appreciation Letter for Guest Lecture on “**Phytoremediation: The power of plants to clean up the environment**” in “Training and capacity building for tribal dominating areas, Mandla District, Madhya Pradesh” organized by Global Hydrogeological solutions, Central Ground Water Board, Govt. of India and Public Health Engineering Department, Govt. of M. P on 7th April, 2017 at Yojana Bhavan, Mandla, M.P. Project supported by DST, NCSTC Division.

+ **GenBank Submissions:**

- 6 Sequences submitted in GenBank for Trichoderma Fungi
- 3 Sequences submitted in GenBank for Pseudomonas bacteria

+ **Patent:**

- “Biopesticide Formulation and a process for the preparation thereof” dated 19th June 2017. Ref No.-201711021416 (Published on 21st Dec 2018)
- “Biopesticide Oil Formulation” dated 30th October 2018. Ref No.-201811041013 (Published on 18th August 2020)
- PCT dated 30th October 2019 Ref. No. PCT/IN2019/050794 (International Patent) the publication No. WO 2020/089933 A1 on May 07, 2020
- US Patent Application No. 17/290,629 filed on April 30, 2021 for the invention entitled “**BIO-PESTICIDE OIL FORMULATION**” in the name of M/s Tricho Agronica Pvt. Ltd. and Indian Oil Corporation Limited May 31, 2021 Based on PCT International Application No. PCT/IN2019/050794
- EUROPE Patent Application No. 19879063.6 filed on May 31, 2021, for the invention entitled “**BIO-PESTICIDE OIL FORMULATION**” in the name of M/s Tricho Agronica Pvt. Ltd. and Indian Oil Corporation Limited 02 June 2021
- Trademark: Logo TRICHO AGRONICA PVT LTD AND IOCL
|| TRADEMARK APPLICATION || NRDCHQ/PC/TRICHO/T/2020-21

+ **Awards:**

- Best **Oral Presentation Award** for A novel & ecofriendly solution for bull's eye pathogen infecting *Lycopersicon esculentum* (tomato), Theme: Integrative plant health management at International E- Conference on “**Multidisciplinary approaches for plant disease management in achieving sustainability in agriculture**” at College of Horticulture, UHS Campus GKVK, Bengaluru, India during **October 6-9th, 2020**.
- **Entrepreneur Award-2020(Biofertilizers & Biopesticides)** at International Web Conference on Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020) being jointly organized by the Agricultural & Environmental Technology Development Society (AETDS), India; Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh; Soils, Water and Environmental Research Institute (SWERI), Agriculture Research Center, (ARC) Giza, Egypt and Corteva AgriScience during October

4-6, 2020.

- **"Women Researcher Award"** at International Scientist Awards 2020 on Engineering, Science & Medicine, 26-09-2020 at Hyderabad, VGood Technology Factory
- **Eco-Exhibitor Award** at International Conference on "Environmental Challenges & Solutions" **jointly organized by SSUN, New Delhi & MRIIRS on Jan 31-Feb 02, 2020**
- Best **Oral Presentation Award** for "Plant Pathologists entrepreneurship: From idea to bussiness" in the 7th International Conference on Phytopathology in Achieving UN Sustainable Development Goals **on Jan 16-20, 2020** at ICAR-IARI, Pusa, New Delhi, India
- Bestowed with a **"Most Influential Women award"** on the 30th of June 2019 at Vadodara, Gujarat, for her recognition and excellent contribution made to the field of Agriculture and society by Brijbhoomi foundation, started by Hema Malini ji, Member Parliament from Mathura. She was selected among 51 most influential Women and felicitated with a Certificate of Special Achievement, Naari Shakti Ko Pranaam, in recognition for a record of outstanding accomplishments towards organic agriculture & wellness.
- Felicitated with **Women of the Future Awards (WOTFA-2018)** in the grand ceremony of fourth season of "Women of the Future Awards-2018" on Saturday, 15th September -2018 for significant achievement and excellent contribution made to the field of Agriculture and society. The Chief Guest for the award function was Union Minister of Social Justice & Empowerment, Shri Ramdas Athawale and other eminent guests were well-known IAS officer, senior journalist, CMD First News, Shri Jagdish Chandra and Hon'ble Justice S.S Kothari. Many celebrities like Bollywood Actress Tabu and Aamna Sharif, TV Actor Barun Sobti, v super singer fame Ravindra Upadhyay and Author Nandita Puri graced the occasion with their presence.
- Selected for Bharat Ratna Mother Teresa Gold Medal Award-2016 by "Global Economic Progress & Research Association"(GEPRA) dated 11th Nov 2016
- Selected and Awarded Fellow of Indian Botanical Society (FBS) .2017
- Awarded **Best Poster Presentation** by Indian Phytopathological Society, Central zone Chapter held at Jaipur in 2004.
- Awarded **Best Paper Presentation** by Indian Phytopathological Society, Central zone Chapter held at Jaipur in 2004.

+ **Projects:**

- Co-solving water logging and groundwater depletion issue in parts of Faridabad Smart City using Underground Taming of Flood water for Aquifer Storage and Recovery, **Funding Agency: WTI, DST, Sanctioned** Dater: 21st May 2021, 3 years Sanctioned Number: DST/TMD/EWO/WTI/2k19/EWFH/2019/237(G) Co-Principal Investigator- Dr. Nidhi Didwania, Amount of Funding: Rs 70,12,720/-
- Eco Next Talent Hunt for Eco Smart Youth Leadership and competence development of young change makers based on eco Eureka and E3 next training in rural and urban Haryana, March 2019- March 2022, **Funding Agency: DST** Co-Principal Investigator- Dr. Nidhi Didwania, Amount of Funding: Rs 21.99 Lakhs
- *Project titled "Bioformulation: A novel, innovative ecofriendly solution against fungal pathogens in Tomato."* under Indian oil start up scheme (IOSUS), a Start-up India" initiative announced by Prime Minister Shri Narendra Modi. Application Ref. No: TPRES1565673375 14/04/2017. Principal Investigator/ Managing Director- Dr. Nidhi Didwania Name of Startup Company: M/s Tricho Agronica Pvt. Ltd, **Funding Agency- Indian oil Corporation Ltd.** Amount of Funding: Rs 172 Lakhs Date of Agreement: 25th September 2017 This project has also been shortlisted in first round of 4th FICCI Higher Education Excellence Awards 2017, under the category Excellence in Enabling Research.

- Project Title: ‘Ecological Survey of Faridabad- Smart City Project’, supported by MoUD & MCF, MoUD Ref No. K-15016/185/2015-SC-1, 2016
- Project Title: ‘Integrated propagation of Giloy and Dalbergia Sisoo (Sheesham)’ Principal Investigator- Dr. Nidhi Didwania, Funding Agency- Psychotropics India Ltd., Faridabad, Sanctioned order no:PIL/2015-16/815, Amount of Funding: Rs 3.0 Lakhs, Sanctioned in 06.11.2015
- Project Title: Standardization of Growth Conditions and Commercialization of Exotic Edible Mushroom (*Pleurotus* varieties) Principal Investigator- Dr. Nidhi Didwania, Funding Agency- Psychotropics India Ltd., Faridabad, Amount of Funding: Rs 5.0 Lakhs, Sanctioned in 20th Jan 2010
- Project titled “*Assessment of losses and demonstration of ecofriendly technologies against guava wilt in Rajasthan.*” **Principal Investigator-** Dr. Nidhi Didwania **Funded by: WOS-B (DST)**
- Network Project on “*Wilt of crops with special reference to cultural, morphological, molecular characterization and pathogenic variability of isolates in India.*” **RA Funded by: IARI**
- Project titled “*Bio management of nematode diseases of cumin in Rajasthan State*” under DST Student Project Programme in 2003-2004 **PI Funded by: DST**
- Worked in Project F No. 15(29)/99/HORT.I “*Ecofriendly management of root-knot nematode, Meloidogyne sps. associated with coriander and cumin*” for three years (2002-2005) **SRF Funded by: ICAR**

+ Consultancy:

- Improving Water Prospects around Khoh (Msanesar) under Maruti-Suzuki Foundation. CAWTM, MRIIRS. Agreement November 2018 “**Plantations along hill slope-Survey, tests and recommendations**” (Total Budget- **Rs. 4,80,000+ GST**)
- Testing of water samples (10) from Maharani Innovative Paints, Sec-24, Faridabad under ISP Technology project. August 2018 (For CAWTM)
- Testing of water samples (10) from Village Khoh Manesar under CSR project, Maruti Suzuki Pvt. Ltd. December (For CAWTM)

+ Grants:

- Two days “National Conference of Stakeholders on “Emerging Technologies and enabling Tools for Eco-friendly management” of Diseases of Medicinal & Aromatic plants (MAPs) to be organized by Department of Biotechnology, Faculty of Engineering & Technology, Manav Rachna International Institute of Research & Studies, Haryana, India, sponsored by National Medicinal Plant Board, Ministry of AYUSH, GOI. (Sanctioned Grant-Rs 5 Lakhs), Z.18017/188/NGO/IEC/HR-01/2020-21-NMPB
- Two days “National Conference on Conservation, Cultivation and Sustainable use of Medicinal and Aromatic Plants (CCSMAP-2019)” on February 21 - 22, 2019, being organized by Department of Biotechnology, Faculty of Engineering & Technology, Manav Rachna International Institute of Research & Studies, Haryana, India, sponsored by National Medicinal Plant Board, Ministry of AYUSH, GOI. (Grant-Rs 5 Lakhs), Z.18017/188/NGO/IEC/HR-01/2018-19-NMPB

+ Visiting Lecturer:

- Invited by Lahti University of Applied Sciences as a visiting lecturer to the Lahti UAS INTERNATIONAL SUMMER SCHOOL course “Co-designing Better Urban Living and Wellbeing” from 29 May to 9 June, 2017 at Lahti University of Applied Sciences, Lahti,

Finland.

+ E-content creation:

- Member Block Development Committee for e content Development-IGNOU 2021
- Associated with IGNOU as a writer for BSc (Zoology) programme- course Genetics & Evolutionary Biology, Unit 17: Species Extinction and Comparative Anatomy & Developmental Biology, Unit-15: Early Development in Humans. November 2018
- Associated with project by UGC, NME-ICT or MHRD entitled “e - PG Pathshala : e - Content Creation for Postgraduate Students” as a writer for paper Chromatographic Techniques, module- 2:Chromatographic Techniques- TLC, HPTLC, IEC, 3:Chromatographic Techniques- GC, HPLC, SCFC, 8: Gas Chromatography (GC) – Applications,14: High Performance Liquid Chromatography (HPLC) - Applications and 17: Ion Exchange Chromatography (IEC)- Applications. November 2017