

## Research & Publications Department Projects

1. Comparative analysis of Vitamin-C concentration in commercial and fresh fruit juices. In collaboration with the Department of Food and Nutrition. Supervisors - Dr Anjali Sherawat, Dr Swati Raman and Dr Rupa Upadhyay
2. To study the physicochemical properties of different brands of honey. Supervisors Dr Anjali Sherawat, Dr Swati Raman and Dr Rupa Upadhyay
3. Trans Fatty acid content in diverse edible oils used for cookery in Indian Homes-A Research Study, Funding Agency: University of Delhi : 6.5 lacs. PI/Co-PI: Dr Anjali Sherawat
4. Learning teaching process developed material for teaching of concepts at primary school level for students with disabilities. Funding Agency: University of Delhi, Grants received project-wise: 3.4 lacs, PI/Co-PI: Mrs. Jugta Singh
5. Genetically modified crops and Food safety-Women's Perspective, in collaboration with Monsanto India Ltd. Project Coordinators - Dr. Renuka Gupta, Dr. Raj Kapoor.

## Department Publications Books

- Gupta R (2019) Science of Adolescence. Goya Publishing. ISBN: 9789388951647
- Upadhyay R (2017) Elements of Plant Sciences. Elite Publication ISBN-10 : 8188901687
- Ram H H, Upadhyay R, Dubey R K and Mandal B. (2017) Vegetable Seed Production Principles & Practices. ISBN: 9789327282641
- Upadhyay R, Pandey R, Raina N (2017). Botany- A Practical Manual. Elite Publication. ISBN: 978-81-88901-69-2
- Gupta R (2015) Fundamentals of Zoology: Theory and Practice. Elite Publication House, Delhi. ISBN: 818890161X
- Gupta R (2015) (Hindi Edition), Household pest animal and their control. National Book Trust. ISBN 978-81-237-6645-4
- Gupta R (2015) Fundamentals of Zoology. Elite Publishing House. 8. Kochar, Shubhanku and Upadhyay, Rupa (2014) eds: New Women- Speaking Women. APH Publishing Corporation, Darya Ganj, New Delhi.
- **Shrawat A, Raman S, Zenita O**, Agarwal M, Yadav S, Keshwar R and Sagar M (2024). Physical Science-A Practical Manual of Chemistry and Physics. Elite Publishing House, New Delhi. ISBN: 978-81-955567-6-2.

- Rao, K. S., Gupta, Y., & **Zenita O.** (2017) Ficus Glomarata Roxb: A Review on Its Anti- Diabetic Potential. In Recent Progress in Medicinal Plants Vol. 46-Metabolic Disorders: Diabetes, Part II (pp. 111-134). Studium Press, Llc, U.S.A. ISBN. 9781626990838.
- **Gupta R** (2015) Fundamentals of Zoology. Elite Publishing House
- Kochar S, and **Upadhyay R** (2014) Eds. New Women- Speaking Women. APH Publishing Corporation, Darya Ganj, New Delhi.

## Research and Publications

### *Research Papers*

#### 2024-25

- Pandey, Raghvendra., Singh, Pragati., **Upadhyay, A. N.**, Nokhwal, Radheshyam., Yadav, Avadhesh K, Shahid, R., & Singh, Prabhakar. (2024). Structural implications on transport dynamics in K-doped monomeric SrSiO<sub>3</sub> system. *Inorganic Chemistry Communications*, 148 (2024) 112923, 1-10.
- Singh, C. K., Sodhi, K. K., **Shree, P.**, & Nitin, V. (2024). Heavy Metals as Catalysts in the Evolution of Antimicrobial Resistance and the Mechanisms Underpinning Co-selection. *Current Microbiology*, 81(6), 148.
- Singh, N., Tyagi, N., Singh, M., Kushwaha, H. R., Sharma, R. K., **Shree, P.**, ... & Garg, M. (2024). Characterization, phytochemical profiling, antioxidant, and cytotoxicity of underutilized medicinal plants and composite flour. *Food Chemistry*, 139985.

#### 2023-24

- Mylswamy, M., Prakash, D., Bhattacharya, A., **Dwevedi, R.**, Myswamy, P., & Azeez, P. A. (2024). Policy document for bird conservation in the urban landscape of the National Capital Region, India. *Oryx*, 58(3), 289-289.
- **Sehrawat, A.** (2023). APPLICATIONS OF GREEN CHEMISTRY PRINCIPLES IN TEXTILE WET PROCESSING. *Journal of Advanced Scientific Research*, 14(09), 1-5.
- **Dwevedi R** and Zempilla M. (2023). Using sRGB image technology for field-based biomonitoring of agricultural fauna. 5<sup>th</sup> Annual Conference on Innovation for Smart, Sustainable and Safe food Systems, University of York, United Kingdom.
- Goyal, H., **Kumar, V.**, Saini, A. K., Kedawat, G., Gupta, B. K., & Gupta, R., (2023). A multifunctional Schiff base with aggregation-induced enhanced emission, gelation, and mechanochromic properties for anti-counterfeiting applications *Materials Today Chemistry*, 2023, 27, 10130

- **Raman, S.,** Sehrawat, A., Upadhyay, R., Singh, S., Verma, A., Aarushi, Jain, S., Raizada, P., Siddhu, A. & Aggarwal, A. (2023). Different methods used for determination of vitamin C: A review, *International Journal of Current Microbiology and Applied Sciences*, 12(9) 56-66.
- **Maurya, V,** Ghosh, V. (2023) Energy Labels in India: Do we Use it?. *Journal of Energy, Environment & Carbon Credits*, 13(2): 48–67.
- **Shree, P.,** Singh, C. K., Sodhi, K. K., Surya, J. N., & Singh, D. K. (2023). Biofilms: Understanding the structure and contribution towards bacterial resistance in antibiotics. *Medicine in Microecology*, 16, 100084.
- Singh, P. P., Sodhi, K. K., Bali, A. K., & **Shree, P.** (2023). Influenza A virus and its antiviral drug treatment options. *Medicine in Microecology*, 16, 100083.

### 2022-23

- **Dwevedi, R., Gupta, R., & Sethy, J. (2022).** A comparative study of regional climate trends in the Keoladeo and Bhitarkanika wetlands, India. *Journal of Applied and Natural Science*, 14(2), 332-340.
- Meena, M. K., Kumar, D., Jayaraj, A., Kumar, A., Kumari, K., Katata-Seru, L. M., Bahadur I., Kumar V., **Sherawat A.,** & Singh, P. (2022). Designed thiazolidines: an arsenal for the inhibition of nsP3 of CHIKV using molecular docking and MD simulations. *Journal of Biomolecular Structure and Dynamics*, 40(4), 1607-1616.
- **Kumar, V.,** Singh, D., Kumar, P., Chaudhary, G., Singh, A. P., Gupta, R.,(2022). Turn-on fluorescent detection of nickel and zinc ions by two related chemosensors containing naphthalimide ring (s). *Journal of Molecular Structure*, 2022, 1261, 132901

### 2021-22

- **Dwevedi, R.,** Deo, V., Sethy, J., **Gupta, R.,** & Mylswamy, M. (2021). Performance of imputation-based models in predicting breeding population trend of a near-threatened bird in changing water regime: A 36-year long-term case study of Painted Stork, *Mycteria leucocephala*. *Journal of Applied and Natural Science*, 13(3), 1072-1082.
- **Dwevedi, R., Gupta, R., & Sethy, J.** (2021). Is formation of new heronries a result of degradation of old heronries? An insight of Keoladeo-Complex heronries. *ZOO'S PRINT*, 36(10), 73-76.
- **Upadhyay, R.;** Bhatia, G.L. and Ram, H. H. (2001). Genotype environment interaction and stability analysis in tomato. *Prog. Hort.* 33(2): 190-193.
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## 2020-21

- Tomar, D. and **Upadhyay, R.** (2020). Impact of polluted Yamuna water on the agricultural practices performed by the farming community (Delhi). *International Journal of Scientific and Engineering Research*. 11 (12): 1105- 1110.
- Sodhi, K. K., Kumar, M., Balan, B., Dhaulaniya, A. S., **Shree, P.**, Sharma, N., & Singh, D. K. (2021). Perspectives on the antibiotic contamination, resistance, metabolomics, and systemic remediation. *SN Applied Sciences*, 3, 1-25.
- Kumar, P., **Kumar, V.**, & Gupta, R., (2020) Dipicolinamide and isophthalamide based fluorescent chemosensors: recognition and detection of assorted analytes. *Dalton Trans.*, 2020, 49, 9544–9555.
- Sudheer, **Kumar, V.**, Kumar, P., & Gupta, R., (2020). Detection of Al<sup>3+</sup> and Fe<sup>3+</sup> ions by nitrobenzoxadiazole bearing pyridine-2,6-dicarboxamide based chemosensors: effect of solvents on detection. *New J. Chem.*, 2020, 44, 13285–13294.
- Shally, **Kumar, V.**, Althagafi, I., Kumar, A., Singhal, D., Kumar, A., Gupta, R., & Pratap. R., (2020). Design and synthesis of new functionalized 8-(thiophen-2-yl)-1, 2,3,4-tetrahydro quinolines as turn-off chemosensors for selective recognition of Pd<sup>2+</sup> ions. *New J. Chem.*, 2020, 44, 15559–15566.

## 2019-20

- **Kumar, V.**, Kumar, P., Kumar, S., Singhal, D., and Gupta, R., (2019) Turn-on fluorescent sensors for the selective detection of Al<sup>3+</sup> (and Ga<sup>3+</sup>) and PPI ions. *Inorg. Chem.*, 2019, 58, 10364-10376.
- Kumar, G., Pachisia, S., Kumar, P., **Kumar, V.**, and Gupta. R., (2019). Zn- and Cd-based Coordination Polymers Offering H-Bonding Cavities: Highly Selective Sensing of S<sub>2</sub>O<sub>7</sub><sup>2-</sup> and Fe<sup>3+</sup> Ions. *Chem. Asian J.*, 2019, 14, 1–8.
- Mishra, Pankaj K., **Upadhyay, Aditya N.**, Singh, Kedar., Kumar, Horesh., (2019) Structural Origin of Optical Band Edge Shift in Se<sub>70</sub>Ge<sub>30-x</sub>Bi<sub>x</sub> (0<x<10) Glassy Alloys. *Chemistry Select*. 2019, 4, 6833 –6843.
- Mishra, Pankaj K., Singh, K., **Upadhyay, A.N.**, Kumar, H.,. Compositional dependence of thermal transport and optical properties of Se<sub>85</sub>Ge<sub>15-x</sub>Pb<sub>x</sub> (0 ≤ x ≤ 10) chalcogenide glassy alloys. *Optical Materials*. 97 (2019) 109395.

## 2018-19

- Kumar, M., Jaiswal, S., Sodhi, K. K., **Shree, P.**, Singh, D. K., Agrawal, P. K., & Shukla, P. (2019). Antibiotics bioremediation: perspectives on its ecotoxicity and resistance. *Environment international*, 124, 448-461.

- Tomar, D., & **Upadhyay, R.** (2018). Heavy metals in Yamuna river: A Review. *Int. J. Adv. Sci*, 540.
- **Dwevedi, R.**, Krishna, V., & Kumar, A. (2018). Environment and big data: Role in smart cities of India. *Resources*, 7(4), 64-73.
- Kumar, P., **Kumar, V.**, Pandey, S., and Gupta, R., (2018). Detection of sulfide ion and gaseous H<sub>2</sub>S using a series of pyridine-2,6-dicarboxamide-based scaffolds. *Dalton Trans.*, 2018, 47, 9536-9545.
- **Upadhyay, A. N.**, Tiwari, R. S., and Singh, Kedar. Annealing effect on thermal conductivity and microhardness of carbon nanotube containing Se<sub>80</sub>Te<sub>16</sub>Cu<sub>4</sub> glassy composites. *Mater. Res. Express* 5 (2018) 025203.
- Srivastava, Archana., Tiwari, S.N., **Upadhyay, A. N.**, Zulfequar, M. First-order phase transformation and structural studies in Se<sub>85</sub>In<sub>152</sub>xZn<sub>x</sub> chalcogenide glasses. *Therm Anal Calorim.* DOI 10.1007/s10973-017-6273-9

### 2017-2018

- Rashmi, D., **Shree, P.**, & Singh, D. K. (2017). Stable isotope ratio analysis in determining the geographical traceability of Indian wheat. *Food Control*, 79, 169-176.
- **Shree, P.**, Kumar, M., & Singh, D. K. (2017). Evaluation of total phenolic content and antioxidative properties of unpolished and polished black, red and brown rice varieties from India. *Journal of Agricultural Engineering and Food Technology*, 4(2), 113-117.
- Krishna, V., Pandey, R., **Dwevedi, R.**, **Raina, N.**, **Raman, S.**, Sehrawat, A., Gupta R., & Upadhyay, R. (2017). *International journal of advanced education and research*, 2, 174-178.
- **Krishna V**, Kumar A, Pandey R, Singh SK and **Dwevedi R** (2017). The evolution of ecological sensitive zones in India: a case study of Western Ghats. *Int. J. Fauna and Biological Studies* 4(3): 20-25.
- Kumar S, **Dwevedi R** and Krishna V (2017). Aerosol impact on climate, air quality and health. *Int. J. Adv. Science and Research* 2 (3): 57-61.
- **Krishna V**, **Upadhyay R**, Pandey R, and **Dwevedi R** (2017). Integrated Pest Management: A Brief Review. *Int. J. Biology Research* 2(2): 70-74
- Vinoy Krishna, **Ritu Pandey**, **Rajneesh Dwevedi**, **Nancy Raina**, **Swati Raman**, Anjali Sherawat, Renuka Gupta, Rupa Upadhyay, Scientific perspective of Indian cultural practices. (2017) *International Journal of Advanced Education and Research*, Volume 2; Issue 3; Page No. 151-155, ISSN: 2455-5746
- **Raman S**, Ganaie M, Husain M and Zulfequar M (2017). Optical properties of solution phase deposited (As<sub>2</sub>S<sub>3</sub>)<sub>100</sub>-xGex chalcogenide thin Films. Institute of Physics conference proceedings 1832, 070013. ISBN: 9780735415003

### Before 2016

- Nishant, N. and **Upadhyay, R.** (2016). Interventions in handling of pesticides in agriculture: A Review. *Journal of Agriculture and Environmental Sciences*. 5 (1): 113-133.
- Nishant, N. and **Upadhyay, R.** (2016). Presence of pesticide residue in vegetable crops: A review. *Agricultural Reviews*, 37 (3): 173-185.
- **Dwevedi R**, Kumar A and Mylswamy M (2015) A monospecific colony of Cattle Egret in the agricultural landscape of Central Uttar Pradesh, India. *Indian BIRDS* 10 (6): 149-150.
- Y S C Khuman , **Nancy Raina** and K S Rao.(2015) Fuelwood assessment at micro watershed level, Garhwal Himalaya, India; *Chinese Journal of Population, Resources and Environment*. Vol. 13, Iss. 2,177-186.2015. ISSN 1004-2857 (Print), 2325-4262 (Online)
- T. Shimrah, **Nancy Raina**, J. Deka, K. S. Rao, K. G. Saxena.(2015) Landuse pattern and change analysis in protected mountain area- A case study of Dihang-Dibang Biosphere Reserve in Arunachal Pradesh, North east India. *The Botanica*. Volume 64 & 65,91-105 2015.ISSN 0045-2629.
- **Dwevedi R**, Singh S K and Krishna V. (2014) Heronries of Mathura District, western Uttar Pradesh, India. *Indian BIRDS* 9 (4): 93–95.
- Singh S K, **Dwevedi R**, Deopa P and Krishna V. (2014) A gradual advancement of the extraction and cleanup techniques for residue analysis of pesticides in food matrices and liquid products: a review. *IOSR J Env. Sc. Toxi. Food Tech*. 8(1): 113-118.
- **Dwevedi R**, Singh S K and Krishna V. (2014) Heronries of Mathura District, western Uttar Pradesh, India. *Indian BIRDS* 9 (4): 93–95.
- Singh S K, **Dwevedi R**, Deopa P and Krishna V. (2014) A gradual advancement of the extraction and cleanup techniques for residue analysis of pesticides in food matrices and liquid products: a review. *IOSR J Env. Sc. Toxi. Food Tech*. 8(1): 113-118.
- Prince, **Swati Raman**, Prabhat K. Dwivedi,M. Husain and M. Zulfeqar. (2014) Solution Based approach for the devices in chalcogenide glasses.59th DAE Solid State Symposium,VIT University,Vellore,December 16th –December 20th 2014, ISBN: 9780735413108.
- Goomer, S., **Upadhyay, R.**, Das, A and Singh, S. (2014). Levels of pesticide residue in cabbage. *Hortflora Research Spectrum*. 3(1): 88- 90.
- Y S C Khuman , **Nancy Raina** and K S Rao. (2014)Fuelwood Assessment at micro watershed level in North East Himalaya– a case study in the state of Manipur, India"

Chinese Journal of Population Resources and Environment. Volume 12, Issue 2, 2014.  
ISSN 1004-2857 (Print), 2325-4262 (Online)

- **Nancy Raina**, K. S. Rao, S.Sreekesh (2014) Comparative Analysis of Predictive Distribution Modeling of *Daphne papyracea* in Dabka watershed Nainital District, Uttarakhand. Journal of Environment and Earth Science. ISSN 2224-3216 (Paper) ISSN 2225-0948 (Online). Vol.4, No.17, 2014
- **Swati Raman** and M.Husain. (2013) Chalcogenide glass optical waveguides for Optical Communication. Advanced Materials Research Vol. 679 (2013) pp 41-45.
- Nishant, N. and **Upadhyay, R.** (2011). A study on awareness regarding rainwater harvesting in different organizations in Delhi. The Allahabad Farmer Journal. LXVI (2): 33-42.
- **Dwevedi, R.**, & Urfi, A. J. (2011). Discovery of a large heronry at Chhata, near Mathura, in western Uttar Pradesh. Journal of the Bombay Natural History Society (JBNHS), 108(3), 231-232.
- **Upadhyay, R.**; Ram, H. H. and Singh, D.K. (1998). Cultivar Identification through seed protein electrophoresis in bottlegourd. Veg. Sci. 25: 11-13.

### Book Chapters

### Book Chapters

- Chandra, A., Gupta, Y., Dinakaran, J., **Raina, N.**, Hanif, M., Meena, A., & Rao, K. S. (2024). Climate Change and Biodiversity in the Himalaya: Trends and Perception. In *Biodiversity Hotspot of the Himalaya* (pp. 439-458). Apple Academic Press.
- Sodhi, K. K., **Shree, P.**, Mishra, L. C., Mishra, G., Kumar, M., & Singh, D. K. (2023). Promising Compounds of Plant Origin and Their Synthetic Analogs Against Trypanosomes. In *Natural Product Based Drug Discovery Against Human Parasites: Opportunities and Challenges* (pp. 411-429). Singapore: Springer Nature Singapore.
- **Maurya, V.**, Ghosh, P. and Gunawat, A (2023) STI Policy Push Towards Hydrogen Economy in India. In *Climate Action and Hydrogen Economy: Technologies Shaping the Energy Transitions* (ed.Malti Goel and Gautam sen), pp.107-118, ISSN 156-3529. Springer.

- Bajaj, S., **Shree, P.**, & Singh, D. K. (2022). Bioinformatics and Vaccine Development: Overview and Prospects. *Microbial Products*, 435-454.
- **Maurya, V.**, (2022) *Sustainable Development Report 2022 From Crises to Sustainable Development: The SDGs as Roadmap to 2030 and Beyond*”, Science Diplomacy Review, Vol. 2(4), pp 45-47
- **Shree, P.**, Kumar, M., & Singh, D. K. (2021). Molecular and biochemical aspect of insect-plant interaction: a perspective for pest management. *Plant-Pest Interactions: From Molecular Mechanisms to Chemical Ecology: Chemical Ecology*, 417-436.
- Sodhi, K. K., Kumar, M., **Shree, P.**, Singh, I. K., & Singh, D. K. (2020). Ecological risk of dioxin exposure. In *Dioxin* (pp. 143-153). CRC Press.
- **Shree, P.**, Mohit, K., Singh, I. K., & Singh, D. K. (2020). Dioxin–exposure routes, pathways, and human health implications. In *Dioxin* (pp. 83-112). CRC Press.
- Kumar, M., Dhaulaniya, A. S., **Shree, P.**, & Singh, D. K. (2020). Endophytic bacterial applications in phytoremediation of organic pollutants and toxic metals. *Microbial Enzymes and Biotechniques: Interdisciplinary Perspectives*, 131-160.
- **Maurya V.** (2020) “Particulate Matter Regulatory Policies: National And Global Approach” in Sonawani,S. and Shukla, A (Eds.) *Airborne Particulate Matter-Source, Chemistry, and Health*, Springer
- Tomar, D., **Nishant, N.**, & **Upadhyay, R.** (2019) Water Conservation Practices in Agriculture: A Review. In *Environmental Issues and Sustainable Agriculture*, 44.
- **Upadhyay R, Dwevedi R, Krishna V**, and Pandey R (2019) Management practices to improve productivity and quality in cucurbitaceous crops. In *Introduction to challenges and strategies to improve crop productivity in changing environment*. Enriched Publications Pvt. Ltd, New Delhi, ISBN No. 978-81-934634-9-9.
- **Maurya V.** (2019) “Impact of Air Pollution on Environment and Economy” in Saxena, P. and Naik, V. (Eds.) *Air Pollution Sources, Impacts, Controls*, CAB International along with S. Sonwani.
- A. Tomar, D. and **Upadhyay, R.** (2019). Water conservation practices in Agriculture: A review. 3rd International Conference on Global Initiatives in Agriculture and Applied Sciences for Ecofriendly Environment. Agricultural Technology Development Society, Ghaziabad, India and Tribhuvan University, Kathmandu, Nepal, 16- 18 June. 66, ISBN 978- 3- 96492- 103- 1.
- **Upadhyay R, Dwevedi R, Krishna V**, and Pandey R, (2018) Management practices to improve productivity and quality in cucurbitaceous crops in *Introduction to challenges and strategies to improve crop productivity in a changing environment*. Enriched Publications Pvt. Ltd, New Delhi, ISBN No. 978-81-934634-9-9.



- **Upadhyay R** (2013) Post harvest management of food crops. In B. Prasad and S. Kumar (eds) Reshaping Technology for Agricultural Development. SS Publishing House, New Delhi. pp.249- 269. ISBN: 978-93-81226-50-6.
- **Upadhyay R** (2006) Breeding potential of indigenous lines of bottlegourd . In Cucurbits breeding and production technology. Pub. GBPUA&T, Pantnagar. Pp.233- 236.
- **Upadhyay R** (2004) Characterization of the evaluation environments and the performance of the genotypes of tomato. Scientific Hort. 9:85-91.
- **Upadhyay R** (1998) Evaluation of Indigenous Germplasm of Cucurbits at Pantnagar. In Role of Indigenous Germplasm in Improvement of Horticultural Crops. GBPU&T, Pantnagar. ISBN: 81-211-0393-2.

#### Newspaper/Magazine Articles:

- **Raman, S.**, (2024, August) “महिला सशक्तिकरण: अधिक न्यायसंगत भविष्य का मार्ग”, Visheshank, Char Kadam
- **Sharma. A., Maurya. V.**, (2023, August 21) “*Promote NBS through G20 Presidency*”, The Daily Pioneer <https://www.dailypioneer.com/2023/columnists/promote-nbs-through-g20-presidency.html>
- **Maurya. V.**, Malick. B. K ., (2023, June 7) “*Sustainable Future*”, The Statesman <https://www.magzter.com/stories/newspaper/The-Statesman/SUSTAINABLE-FUTURE?srsId=AfmBOor3GtaRtHx-vtTRWCvH6uuNZKDPGVmf0ZTd-OCihOKaCDf9DL0G>
- **Maurya. V.**, (2022, July 28) “*India’s transition towards a hydrogen economy*”, The Statesman <https://www.thestatesman.com/opinion/indias-transition-towards-hydrogen-economy-1503094363.html>
- **Maurya. V.**, (2022, January 30) Soft energy paths vital for Indian households, The Statesman [https://www.thestatesman.com/opinion/soft-energy-paths-vital-indian-households-1503042343.html#google\\_vignette](https://www.thestatesman.com/opinion/soft-energy-paths-vital-indian-households-1503042343.html#google_vignette)

#### Thesis/Dissertation

Research students are guided in collaboration with other departments of the college

#### M.Sc. Dissertation

<b>S.No.</b>	<b>Year</b>	<b>Title of dissertation</b>	<b>Name of Student</b>	<b>Name of Supervisor</b>
1.	2014	Use of pesticides in vegetable farming in district Ghaziabad: Effectiveness of an intervention programme”	Ms Nity Nishant Maurya	Dr Rupa Upadhyaya Prof V S Mehrotra
2.	2016	Effectiveness of Safe drinking water and utilisation of discarded water from Reverse Osmosis system	Deepika Prasad	Dr Renuka Gupta
3.	2015	Pilot study on Adolescent health education.	Devyani Lingwal	Dr Renuka Gupta
4.	2015	Carbon footprints of cremation.	Priyanka Nimesh	Dr Renuka Gupta
5.	2015	Participation of Women in Agriculture: A study in Pilibhit District	Dixita	Dr Rupa Upadhyay
6.	2015	Impact of polluted Yamuna water on agriculture practices performed by the farming community in Delhi.	Deepa Sharma	Dr Rupa Upadhyay
7.	2016	Peri-Urban youth and agriculture: A study in Auchandi and dariyapur villages of outer Delhi	Ms Monika Yadav	Dr. Ruchi Gaur Dr. Rupa Upadhyay
8.	2017	Women empowerment through Self Help Group: A study in Dehradun Uttarakhand	Ms Kusum Kumari	Dr. Rupa Upadhyay Ms Shweta Suman
9.	2017	Community Correspondents and Microlevel changes: A study of video volunteers initiatives	Ms Pooja Ichplani	Dr. Rupa Upadhyay Dr. Archana Kumar
10.	2017	Effect of heavy metals on vegetable farming along the Yamuna Floodplain: A comparative study of Vikasnagar (Uttarakhand) and Sonapat (Haryana)	Ms Deepa Tomar	Dr. Rupa Upadhyay

11	2018	Deforestation and people: A study in Tehri district of Uttarakhand	Ms. Tanvi Gulati	Dr. Rupa Upadhyay
12.	2018	Ganga's Tributaries and Livelihood practices of women farmers: A study in Tehri District Uttarakhand	Ms. Umang Chauhan	Dr. Rupa Upadhyay
13	2019	Information & Communication Technologies: Utilization pattern in Jhajjar in Karnal Haryana.	Ms Jyoti Yadav	Dr. Rupa Upadhyay
14.	2019	Aspirations of Rural Youth towards agribusiness: A study in Bhagpat District of Uttar Pradesh	Ms Himani Bharat	Dr. Rupa Upadhyay
15.	2019	Effectiveness of vegetable production under poly house and open-farm conditions: A comparative study in Karnal, Haryana	Ms Kiran Saini	Dr. Rupa Upadhyay
16.	2019	Usage of Digital Devices by farm women: A study in Tehri district, Uttarakhand	Ms. Heeba Jamal	Dr. Rupa Upadhyay
17.	2019	Effect of Climate change on agricultural production: A study in Jodhpur, Rajasthan	Ms. Manisha	Dr. Rupa Upadhyay
18.	2020	Empowerment of Farm Women through Agricultural Practices: A study in Tehri Garhwal District, Uttarakhand	Ms Ankita	Dr. Rupa Upadhyay
19.	2020	Involvement of Rural Farm Women in Mushroom Cultivation: A Study in two districts of Bihar	Ms Beauty	Dr. Rupa Upadhyay
20.	2020	Urban Agricultural Practices in Households: A Study in Delhi NCR	Ms Sanchya	Dr. Rupa Upadhyay

**Students submitted Ph.D./ Pursuing**

<b>S.No.</b>	<b>Year</b>	<b>Title of dissertation</b>	<b>Name of Student</b>	<b>Name of Supervisor</b>
1.	2016	Determining Consumers' Awareness and Purchase Patterns of Organic Food Consumption-A Study In Delhi NCR	Sanchya	Prof. Rupa Upadhyay
2.	2021	Indigenous IPM Technopackages for the Management of Root Knot Nematode	Mohd Amir	Prof. Rupa Upadhyay