



**ZAKIR HUSAIN DELHI COLLEGE**  
(University of Delhi)

**Faculty Details**

(Please Fill the form and Email it to [website@zh.du.ac.in](mailto:website@zh.du.ac.in))

Title	First Name	Last Name	Photograph
Designation	Assistant Professor		
Address	New Delhi		
Phone Number	Office	9017676103	
	Residence	9729476103	
	Mobile	9017676103	
Email Id	parveengill135@gmail.com		
Web Page	<a href="https://www.zakirhusaindelhiccollege.ac.in/zoology-2/">https://www.zakirhusaindelhiccollege.ac.in/zoology-2/</a>		
<b>Educational Qualification : PhD</b>			
Degree	Institution	Year	
10 <sup>th</sup>	JNV Pabra Hisar CBSE	2005	
12 <sup>th</sup>	JNV Pabra Hisar CBSE	2007	
B.Sc.	CRM Jaat College, KUK-Kurukshetra	2012	
M.Sc.	Department of Zoology, CCSHAU- Hisar	2015	
PhD	Department of Zoology, CCSHAU- Hisar	2021	
<b>Career Profile</b>			
<p>Accomplished zoologist with MSc and PhD degrees from CCSHAU Hisar, serves as an Assistant Professor in the Department of Zoology at ZHDC, Delhi University. Research interests span vermicomposting, focusing on the growth and reproduction of <i>Eisenia fetida</i>, and the comparative toxicological effects of neonicotinoid insecticides on antioxidant defense systems in <i>Eisenia fetida</i> and their consecutive impacts on <i>Cyprinus carpio</i>. Scholarly contributions include 9 first author research papers, 22 collaborative papers, 1 book, and 4 book chapters. Actively participated in 5 international and 9 national conferences, received 3 awards, and engaged in 9 workshops, 9 trainings, and a webinar, reflecting dedication to academic excellence and knowledge dissemination.</p>			

Administrative Assignments
<ol style="list-style-type: none"> <li>1. Students Grievance Redressal Committee members at ZAKIR HUSAIN DELHI COLLEGE</li> <li>2. Paper setter ( UG course Human physiology paper CCS Haryana Agriculture university HISAR (2023-2024 and 2024-2025)</li> <li>3. Paper setter ( PhD entrance exam CCS Haryana Agriculture university HISAR 2024-2025)</li> <li>4. Nature &amp; Environment Society committee member</li> <li>5. Dr. Ambedkar Centre committee member</li> <li>6. Students' Union Election – 2023, Duty as to Maintenance of Discipline in the Entire Campus</li> <li>7. Duty in Presidential Debate, (DUSU Election) to be held on 20th September 2023 at 9:40 AM. in College Auditorium.</li> <li>8. Admission Enabling Committee member</li> <li>9. Grievance Discipline Committee member (DUSU election 2023 August)</li> <li>10. Invigilation Duty July-August 2023</li> <li>12. Invigilation Duty May-June 2024</li> <li>13. Purchase Committee member August-2023-2024</li> <li>14. Sports Advisory member (2024)</li> <li>15. External examiner at following college <ol style="list-style-type: none"> <li>I. Department Of History Of Sri Venkateswara College Delhi University (08/07/23 )</li> <li>II. Sgth Khalsa College Delhi University ( Cell And Dev.Bio.17/05/2024)</li> <li>III. Dyal Singh College (Economic Zoology 09/05/24)</li> <li>IV. Andc Delhi University (Diversity Of Animal 2024)</li> <li>V. Miranda House Delhi University (Concept Of Ecology-2024)</li> </ol> </li> <li>16. Evaluation duties <ol style="list-style-type: none"> <li>I. Morinda House Delhi College 29/07/23 To 05/08/23</li> <li>II. Daulat Ram College 18/06/2024 To 18/06/2024</li> <li>III. Daulat Ram College 12/06/2024 To 14/06/2024</li> <li>IV. Ramjas College Delhi University 30/01/25, 31/01/25, 03/02/25, 01/02/25 &amp; 04/01/25</li> </ol> </li> </ol>
Areas of Interest / Specialization
<b>MSc:-</b> The growth, reproduction and vermicomposting efficacy of earthworm ( <i>Eisenia fetida</i> )
<b>PhD:-</b> Comparative effect of neonicotinoid insecticides toxicity on antioxidant defense system of <i>Eisenia fetida</i>

and its consecutive effect on Common carp, <i>Cyprinus carpio</i> ",
<b>Subjects Taught</b>
1) Diversity of Animal 2) SEC (Prospecting E-Waste for sustainability) 3) VAC (Science & Society) 4) Concept of Ecology 5) Apiculture (SEC-3) 6) Economic Zoology GE-3 7) Cell and Developmental biology of animal (DSC) 8) Public health and hygiene (SEC) 9) Biostatic (DSC) 10) Evolutionary Ecology (DSC) 11) Non-Chordata (DSC)
<b>Research Guidance</b>
<b>NILL</b>
<b>Publications Profile</b>
1. <b>Parveen Gill*</b> , Dommalapati Sudhakara Rao, Rajender Kumar Gupta, Dharambir Singh, Tejpal Dahiya, Deepika Lather and Naresh Kumar (2021) Toxicity Characteristics of Acetamiprid Insecticides Against Adult Earthworms, <i>Eisenia fetida</i> . <b>AMA, Agricultural Mechanization In Asia, Africa And Latin America</b> , ISSN: 00845841 Vol. 51, Issue 01, Pp.1269-1276, June, 2021 ( <b>NAAS 6.17</b> ). <b>IF=0.4 Index in Scopus (YES)</b> 2. <b>Parveen Gill</b> , Dharambir Singh, Sudhakar Rao, R. K. Gupta, Naresh Kumar (2021) "Comparative Effect of Different Organic Fertilizers with Chemically Synthesised Urea on Various Growth Parameters of <i>Solanum melongena</i> in Favorable Environmental Condition" Environment and Ecology 39 (3) : 670—674, ISSN 0970-0420 July—September 2021,. <b>Index in Web of Science</b> 3. <b>Parveen Gill</b> , Dommapati Sudhakara Rao , R.K.Gupta , Tejpal Dahiya , Deepika Lather and Naresh Kumar (2021) Effect of neonicotinoid insecticides imidacloprid and acetamiprid on catalase activity in earthworm <i>Eisenia fetida</i> , <b>Environment and Ecology</b> volume EE 39(2): 370—374, <b>ISSN:0970-0420 April—June 2021 (Index in Web of Science)</b> 4. <b>Parveen Gill</b> , Dharambir Singh, Dommalapati Sudhakara Rao, R. K. Gupta, Tejpal Dahiya, Deepika Lather and Naresh Kumar (2021) Assessment of neonicotinoid insecticide acetamiprid LC <sub>50</sub> against earthworm ( <i>Eisenia fetida</i> L.) Environment and Ecology 39 (4A):1150—1153, ISSN 0970-0420 October—December 2021,. <b>Environment and Ecology. (Index in Web of Science)</b>

5. **Parveen Gill\***, Singh, D. Sharma, B.L., Gupta, R.K., Dahiya, T., Rao, D.S., Lather, D. and Kumar, N. (2021). Effect of Neonicotinoid Acetamiprid and Imidacloprid Insecticides on Antioxidant Peroxidase Activity in Earthworm *Eisenia fetida*, **Biological Forum – An International Journal**, vol. 13(2):pp 171-174.ISSN: 2249-3239.
6. **Parveen Gill\***, Dharambir Singh, T. Ravi Kumar, Praveen Kumar and R. K. Gupta,(2018) Comparative Effect of Different Fertilizers on Various Growth Parameters of *Lycopersicum esculantum*, **International Journal of Current Microbiology and Applied Sciences**, Volume:7,Number:01, ISSN:2319-7706 [doi.org/10.20546/ijcmas.2018.701.xx](https://doi.org/10.20546/ijcmas.2018.701.xx).
7. **Parveen Gill**, Dharambir Singh, Manjeet Singh and Urmila(2019), Comparative effect of different fertilizers on growth parameters of *Eisenia fetida*, **Journal of Entomology and Zoology Studies**, 7(2): 509-512,E-ISSN: 2320-7078 P-ISSN: 2349-6800.
8. **Parveen Gill**, Dommalapati Sudhakara Rao, RK Gupta, Dharambir Singh, Anshu and Naresh Kumar (2020) Effect of neonicotinoid insecticide acetamiprid on super oxide dismutase activity in earthworm *Eisenia fetida*, **Journal of Entomology and Zoology Studies**, 8(6): 339-341 E-ISSN: 2320-7078, P-ISSN: 2349-6800, JEZS 2020;, © 2020 JEZS.
9. **Parveen Gill**, Dommalapati Sudhakara Rao, RK Gupta, Dharambir Singh, Tejpal Dahiya, Deepika Lather and Naresh Kumar (2021) Effect on superoxide dismutase activity in earthworm *Eisenia fetida* on direct exposure to neonicotinoid insecticide imidacloprid, **The Pharma Innovation Journal** ; SP-10(3):pp113-115 ISSN (E): 2277- 7695, ISSN (P):2349-8242,TPI2021;,DOI: <https://doi.org/10.22271/tpi.2021.v10.i3Sb.5996>.
10. Ajeev Kumar\*, Mahesh Kumar, **Parveen Gill**, Dharamvir and Neeraj Kumar (2018) Physiological and Biochemical Responses of Indian Mustard (*Brassica juncea* L.) Genotypes to Different Sowing Dates, **International Journal of Current Microbiology and Applied Sciences** Volume 7(12), PP- **2794-2801** ISSN: 2319-7706 <https://doi.org/10.20546/ijcmas.2018.712.317>.
11. Urmila, RK Gupta, **Parveen Gill** and Sandeep (2019) Effect of lead and Nickel on growth and fecundity of earthworm, *Eisenia fetida*, **Journal of Entomology and Zoology Studies**, 7(5): 305-309 E-ISSN: 2320-7078, P-ISSN: 2349-6800, JEZS 2019;.
12. Urmila, R. K. Gupta, Shefali and **Parveen Gill** (2019) Mercury and Cadmium Toxicity on Biomolecular parameters in *Eudrilus eugeniae*. **International Journal of Current Microbiology and Applied Sciences** 8(10): 711-715 ISSN: 2319-7706. doi: <https://doi.org/10.20546/ijcmas.2019.810.082>
13. Anshu, Dharambir Singh, **Parveen Gill**, Mahima, Shweta Sharma, Sakshi (2020) Impact of Glyphosate and pendimethalin herbicides on qualitative and quantitative parameters of coelomocytes in earthworm *Eisenia fetida*. **Journal of Entomology and Zoology Studies**,8(5):2043-2048, E-ISSN: 2320-7078, P-ISSN: 2349-6800.
14. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Differential response of proline metabolizing enzymes in drought tolerant and drought sensitive varieties of wheat (*Triticum aestivum* L.) during grain development. **Journal of Pharmacognosy and Phytochemistry**; 9(5): 2745-2749, ISSN: 2278-4136.
15. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Effect of oxidative stress on chlorophyll fluorescence, canopy temperature and total

- leaf protein content in Wheat (*Triticum aestivum* L.) under drought during post anthesis period. **International Journal of Chemical Studies** ; 8(6): 1311-1315, E-ISSN: 2321-4902, P-ISSN: 2349-8528.
16. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Oxidative stress induced flag leaf injury in wheat (*Triticum aestivum* L.) under drought. **International Journal of Chemical Studies** ; 8(6): 355-359, E-ISSN: 2321-4902, P-ISSN: 2349-8528.
  17. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Studies on role of proline, hydrogen peroxide and total antioxidant activity in Wheat (*Triticum aestivum* L.) under drought stress after anthesis. **International Journal of Chemical Studies**; 8(6): 738-742, E-ISSN: 2321-4902, P-ISSN: 2349-8528.
  18. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Physiological responses associated with drought stress during grain filling period in Wheat (*Triticum aestivum* L.) **The Pharma Innovation Journal**; 9(11):pp- 106-110, ISSN:2278-4136.
  19. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Differential response of anti oxidant system during grain development in drought tolerant and drought sensitive varieties of wheat (*Triticum aestivum* L.). **Journal of Pharmacognosy and Phytochemistry**; 9(5): pp-3253-3259, ISSN:2278-4136.
  20. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2020) Oxidative stress and antioxidant metabolites in wheat (*Triticum aestivum* L.) varieties during grain development under water deficit conditions. **International Journal of Chemical Studies**; 8(5):pp- 2732-2739, E-ISSN: 2321-4902, P-ISSN: 2349-8528.
  21. Rao, D.S., Raghavendra, M., **Gill, P.**, Madan, S. and Munjal, R. (2021). Effect of Drought Stress on Grain Quality Attributes in Wheat (*Triticum aestivum* L.) varieties. **Biological Forum – An International Journal**, 13(3): 58-63. ISSN: 2249-3239 .
  22. Dommalapati Sudhakara Rao\*, Midathala Raghavendra , **Parveen Gill** , Shashi Madan and Renu Munjal (2021) The Effect of Drought Stress Treatment on Some Grain Quality Traits in Wheat (*Triticum aestivum* L.) Varieties, **International Journal of Plant & Soil Science**, 33(18): pp-117-123, ISSN: 2320-7035; Article no.IJPSS.72791 .
  23. Dommalapati Sudhakara Rao, Midathala Raghavendra, **Parveen Gill**, Shashi Madan and Renu Munjal (2022) “Effect of drought stress on phenological and yield attributes in Wheat (*Triticum aestivum* L.)” **Journal of Eco-friendly Agriculture** 17(1): 65-71. ISSN: 2229-628X (print), e-ISSN: 2582-2683 (online) doi: 10.5958/2582-2683.2022.00014.4 .
  24. Sakshi, Dharambir Singh and **Parveen Gill** (2022). Effects of Imidacloprid and Pendimethalin on Carbohydrates, Lipid and Protein Constituents of *Pheretima posthuma*. **Biological Forum – An International Journal**, 14(1):367-370,P-ISSN:0975-1130,E-ISSN:2249-3239.

### Book

1. Dr. Parveen Gill, Dr. Dommalapati Sudhakara Rao and Dr. R.K. Gupta (2023) "**Organic Farming by Vermicompost (Volume - 1)**" **AkiNik Publications** ISBN **978-93-5570-564-8**. DOI: <https://doi.org/>. Printing Press License No.: F.1 (A-4) press 2016.

### Book Chapter

1. **Parveen Gill\***, Singh D., Gupta R.K., Urmila, Lata H. (2019) Comparative Chemical Evaluation of Vermicompost Produced by Using Different Organic Wastes. In: Ghosh S. (eds) Waste Valorisation and Recycling. Springer, Singapore. Vol.2, PP-219-224, **Online** ISBN:978-981-13-2784-1 [https://doi.org/10.1007/978-981-13-2784-1\\_20](https://doi.org/10.1007/978-981-13-2784-1_20).
2. **Parveen Gill\***, Dommapati Sudhakara Rao and Naresh Kumar (2021) Overview of Neonicotinoids with Honey Bee, Editor, DR. M.Z.A. KHAN and DR. S. K. VERMA "Environment and Unsustainable Human Life", VL Media Solution, Vol. IX, PP. 102-112, ISBN:978-93-91308-37-7.
3. धर्मबीर सिंह, राजेंद्र गुप्ता एवं **प्रवीण गिल** (2021) मछली पालन प्रजनन व सहायक व्यवसाय, सम्पादक: नीरज पवार, अशोक कुमार एवं कुलबीर सिंह बागड़वा, आधुनिक कृषि विज्ञान; pp-218-225.
4. Dharambeer singh, Rajender Gupta and **Parveen Gill** (2021) Fish farming, breeding and allied business, editor: Niraj kumar, Ashok pawar and Kulbeer bangdawa, modern agricultural science: pp-218-225.
5. Dommalapati Sudhakara Rao, **Parveen Gill**, Vijay Sankar Babu and Peddinti Guru Murthy (2021) "Nutraceuticals as Health Promoting Substances" "Advances in Nutrition, **AkiNik Publications**, (Volume-5)" ISBN:978-93-91538-55-2, pp-53-69, DOI: <https://doi.org/10.22271/ed.book.1365>.

### Conference Organization/ Presentations (in the last five years)

#### National

1. **Parveen Gill\*** and Dharambeer Singh (2019) effect of cow dung+ different organic waste and urea on brinjal and tomato vegetable crop, 4<sup>th</sup> Agrivision National Convection on Integrated agriculture-Prosperous Bharat held at National agricultural Sciences Complex, ICAR,PUSA, New Delhi on January 28-29, 2019. Pp-218. **Poster presentation.**
2. **Parveen Gill\***, R.K.Gupta, and Urmila (2019) "**Effect of acetamiprid (neonicotinoid insecticide) on earthworm**" National Seminar on Biodiversity: Issues Challenges and Opportunities held at department of zoology, CCSHAU Hisar, on July 16-17, 2019, Pp-154 **Poster presentation.**
3. **Parveen Gill\***, Dommapati Sudhakara Rao, R.K.Gupta, Tejpal Dahiya, Deepika Lather and Naresh Kumar "Effect of imidacloprid and acetamiprid on catalase activity in earthworm *Eiseina fetida* L." held at Acharya N.G.Ranga Agricultural University, Agricultural college, Rajamahendravaram from March 25 to 26, 2021 (Strategies for buffering ecosystem for sustainable services in the Era of Intensive Agriculture and climate change) **Oral presentation.**
4. **Parveen Gill\*** Effect of imidacloprid and acetamiprid on morphological and behavioural of *Eisenia fetida*, 5<sup>th</sup> Agrivision National Convention on Agriculture and Atamnirbhar Bharat held at National agricultural Sciences Complex, ICAR,PUSA, New Delhi on March, 6-7, 2021 **Oral presentation.**
5. Urmila\*, R. K. Gupta, **Parveen Gill**, Rahul and Renu (2019) contribution of earthworms in ecosystem sustainability "National Seminar on Biodiversity: Issues Challenges and Opportunities held at department of zoology, CCSHAU Hisar, on July 16-17, 2019 Pp-9.



6. Paras\*, Sumit and **Parveen Gill** (2019) biodiversity of insect around chaudhary charan singh haryana agricultural university, hisar“National Seminar on Biodiversity: Issues Challenges and Opportunities held at department of zoology, CCSHAU Hisar, on July 16-17, 2019 Pp-10.
7. Khyati, Paras, Sumit Khatkar and **Parveen Gill** (2019) MANAGEMENT AND DISEASES CAUSED BY MIGRATORY PEST “National Seminar on Biodiversity: Issues Challenges and Opportunities held at department of zoology, CCSHAU Hisar, on July 16-17, 2019 Pp-65.
8. Sumit, Paras, Khyati and **Parveen Gill** (2019) EFFECTS OF PESTICIDES ON FOOD WEB OF INSECT (*COCCINELLA SEPTEMPUNCTATA*) “National Seminar on Biodiversity: Issues Challenges and Opportunities held at department of zoology, CCSHAU Hisar, on July 16-17, 2019 Pp-135.

#### **International**

1. **Parveen gill**, Dharambeer Singh and R.K.Gupta (2019) “**Special importance of animals in organic farming business**”**International** Symposium on Innopreneurship: A need of sustainable agriculture held at CCSHAU Hisar, on February 2-3, 2019, Pp-28 **Poster presentation.**
2. **Parveen Gill**, “**Effect of acetamiprid pesticides on earthworms**”**International** Seminar on sustainable environment & agriculture under global climate change held at MDU Rohtak, Feb. 21, 2019 Pp-244 **Poster presentation.**
3. **Parveen Gill** (2020) “Enhancement of vegetable production (Tomato and Brinjal) by organic farming as compare with chemical fertilizers” 7th **International** Science Community Association, from August 05 to 10, 2020, **Oral presentation.**
4. **Parveen Gill\***, Dharambir Singh, R.K.Gupta (2021) “Chemical analysis of vermicompost produced by *Eisenia fetida* using various organic waste” International Conference On ‘Sustainable Agriculture: Challenges and Opportunities’ held at Faculty of Agricultural Sciences, DAV University, Jalandhar 25<sup>th</sup> June, 2021 **Oral presentation.**
5. **Parveen Gill\***, Domlapati Sudhakar Rao, Ilmas Naqvi, Ranjeet Kumar Nirala (2025) “LC50 Assessment of neonicotinoid insecticide Imidacloprid and evaluation of its toxicity parameters against *Eisenia fetida*” PP:66 ISCB 25, 06/02/25 Invited talk at ANDC Delhi University

#### **Research Projects (Major Grants/Research Collaboration)**

**NILL**

#### **Awards and Distinctions**

1. Awarded ‘Best Athlete at School level (First position 4 x100m, Discuss through, Hurdle race and Second position 4x400m,400m)
2. Got first prize in JAM Competition at CDLU-SIRSA.
3. **Best Poster Presentation award** “effect of cow dung+ different organic waste and urea on brinjal and tomato vegetable crop” 4<sup>th</sup> Agrivision National Convection on Integrated agriculture-Prosperous Bharat held at National agricultural Sciences Complex, ICAR, PUSA, New Delhi on January 28-29, 2019.

#### **Association With Professional Bodies**

NILL

## Other Activities

### Trainings / Courses attended:

1. Attended “**Advanced computer training**” held from 24/01/2017 to 23/02/2017 CCSHAU, Hisar (1 month)
2. Attended training on “**Group Discussion**” from 30/03/2013 to 10/04/2013 at CCSHAU-Hisar (11 days)
3. Attended training on “**Scientific Beekeeping and Integrated Pest Management in Crops**” from 13/01/2014 to 29/01/2014 at CCSHAU-Hisar (16 days)
4. Attended training on “**Tools and Techniques in Molecular Biology Bioinformatics and Peptides Synthesis**” Organized by Department of Animal of Veterinary & Animal Sciences Hisar held from 04/09/2017 to 25/09/2017. (21 days)
5. Attended training on “**Statistical Data Analysis for Research Scholars**” from 20/04/2017 to 29/04/2017 at CCSHAU Hisar. ( 9 days)
6. Attended online course on “**Basic of Remote Sensing, Geographical Information System and Global Navigation Satellite System**” from 04/09/2018 to 26/11/2018 at IIRS outreach network centre Haryana Space Application Centre, Hisar, Haryana.(3 Month)
7. Attended course on “**Genome Informatics**” at Panjab University Chandigarh (7 days)
8. Attended **course on computer awareness (Level-1)** (6 month)
9. Online training on “**sandalwood**” held from 09 to 11 April 2021 by CAAST Centre for Agricultural Market Intelligence Anand Agricultural University, Anand-388110.
10. Online Two-Week Refresher Course in Basic Sciences organized by the UGC-HRDC, Jamia Millia Islamia, New Delhi from 22nd August to 4th September, 2023 and obtained grade “A” 2023
11. One-Month Online National Faculty Induction Programme/Orientation Course organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education.

### Workshop:-

1. Workshop on “**Capacity Building on IPR instruments**” on May 06, 2017 organized by Directorate of Research, CCSHAU, Hisar and Department of Science & Technology, Panchkula (1 day).
2. Workshop on “**Awareness and use of Indian Citation Index database**” organized by Nehru Library CCSHAU Hisar on 07/12/2017 (1 day).
3. Workshop on “**Scientific/Technical Writing**” held at CCSHAU Hisar on 18-19 April 2017 (2 day).
4. Knowledge Workshop on “**Scientific Writing, e-Book and Publication Process**” organized by University Science Forum Directorate of Human Resource Management CCSHAU Hisar, 12/04/2017 (1 day).
5. Workshop on “**Capacity Building on Aquaculture**” on July 16, 2018 held at department of zoology, CCSHAU Hisar (1 day).
6. Workshop on “**Awareness and use of Scopus Citation Database**” organized by Nehru Library CCSHAU Hisar on 29/11/2019 (1 day).
7. Workshop on “**Fundamental Techniques for Antibody Production**” under ICAR-Niche area of Excellence Project on Phage Display Techniques for Production of Veterinary Immunobiologicals without Sacrificing Animals from Feb.04 to 05, 2020 (2 day).
8. Workshop on “**time management**” from 5/08/2020 to 10/08/2020 by International Science Community Association (6 day).
9. Workshop on “**Agripreneur development**” from 09/09/2021 to 10/09/2021 by National Agricultural Higher Education Project (NAHEP) at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyala , Gwalior (M.P.) (2 day).

### Webinar



1. Webinar on “**Agricultural Market Reform and Market Intelligence**” held from 07 to 08, July, 2020 by National Agricultural Higher Education Project –CAAST Centre for Agricultural Market Intelligence Anand Agricultural University, Anand-388110.

**Other Certificate**

1. **Parveen Gill** certificate of participation in National Start Up Summit held at CCSHAU Hisar, from June 1-2, 2018.
2. **Parveen Gill** certificate of participation in Elsevier Researcher Academy On Campus “Improving quality of Agricultural Research in India” 30 June, 2021.

**Experience Certificate**

1. 2 year 2 month experience in Fish Production under Experiential learning program from 01/01/2019 to 01/03/2021 at CCSHAU Hisar.