

Curriculum vitae



Name: Dr.Garima Pundir
Designation: Associate Professor and Incharge
Subject: Zoology

Academic Qualifications: M.Sc , M Phil **Gold medalist** **University topper** Ph.D

Areas of interest/Specialization: Fish and Fisheries, parasitology and toxicology

.Date of Birth: 20.3.82

Date of Joining: 17.02.2009

Experience: 15 years

Official Address: 178, Dharampuri sadar meerut cantt

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.Email: gaarimaa112@yahoo.co.in

Areas of research: Fish and fisheries , Parasitology and toxicology

Achievements:

- Editor of “Corm Journal of Floriculture” International journal
- Reviwer of World Journal of pharmaceuticals
- Research paper was indexed in scope database entitled “protective role of *Spirulina platensis* on haematological profile cadmium exposed teleost , *Clarias batrachus*”
- Managing Chairman of International Conference SCALFE Shimla 2023
- Research student Sana Ansari got **best presentation award** in international conference held in Shobhit University
- Appreciation certificate received for my INNOVATION on feed formulation , recognition of my work in Kalpana Chawala startup cell and incubation centre (SCIC) by Chaudhary charan singh University , Meerut
- Organising secretary of national science day global science for global well being on 28 feb 2023
- Organizing secretary of program organized under vasudha ecoclub with environment club march 2022
- Appointed as external examiner for conduction of university practical in several institutions in regular mode
- Involved in paper setting for university exams in regular mode
- Involved in social activities with several NGO's

Fellowships/Awards:-

S.No	Fellowships/ Awards	Level (State/Nat./Int.)	Description	Awarding Agency	Date
1	Conferred Best Zoologist Award 2023	International	For contribution in the field of Zoology	International conference on strategies and challenges in agricultural and life science for food security and sustainable development (SCALFE)	28-30 april 2023
2	Out standing scientist of the year award 2023	International	For outstanding contribution in the field of science , technology and social development	International conference on identification and extension of science technology research for sustainable development (ICIESSD)	21-22 Feb 2023
3	Innovative Biologist award	International	Out Outstanding contribution and recognition in the field of zoology	Global approaches in agriculture and allied sciences for sustainability, food security and livelihood (GAASFSL)	21-23 jan 2023
4	Best woman scientist award	international	Outstanding contribution and recognition in the field of zoology	Advance in smart agriculture and biodiversity conservation for sustainable development (SABCD 2022)	4-6 march 2022
5	Best faculty award	International	Bharath shiksha rathna Awards for sustainable efforts towards pomoting joyable experiential teaching and research	Art of giving chariatable trust	5 sept 2021

6	Women scientist Award	International	International conference on environment , agriculture , human and animal health (ICEAH 2020)	Voice 6 june 2021	6 june 2021
7	Young women scientist award 2020	International	for outstanding Contribution in the field of zoology on the occasion of 4 international conference On global approaches	GNRSA - 2020-	26/02/2020

Memberships of Academic & Administrative Societies:-

S.No	Memberships type(Annual/ Life)	Name of Academic/Administrative Society	Date Of Membership	Membership No.
<u>2013</u>				
1	Life membership	Indian science Congress association	30sept2013	L22997
2	LIFE Member	ATDS	2021	

Books Published

S.No	Title	Name of the Editor & Publisher	Whether Regional/State/National/International	ISBN No.	Whether main/Co-author	No. of Authors
1	Impact of Heavy Metal cadmium On teleost, <i>Clarias batrachus</i>	Lambert Academic Publishing 2020	International	978-620-2-52315-8	Main author	one

Articles Published

S.No	Title	Name of the Book Editor & Publisher/Title of the conference (With Details)	Whether Regional/State/National/International	ISBN No.	Whether you are the main author	No. of Authors
		2023				
1	Futuristic Trends in Science and Technology: The Advancements in Biological Science	Futuristic Trends in Science and Technology: The Advancements in Biological Science	national	978-81-964432	Yes	one
2	Use of garlic extract as a therapeutic agent to reduce heavy metal toxicity in food fishes and making aquaculture sustainable	Sustainable development in science and technology 2023	national	978-93-91382-02-5	Yes	one
2019						
3	Covid19 Pandemic and lockdown–Role and importance of e – learning	Covid-19 impacts, challenges, and Implications in india	national	978-81-946476-0-7	Yes	One
4	Cadmium-A Priority heavy Metal	Innovations in Science And Technology	national	978-93-87367-67-8	Yes	One

Research Paper published

S.No	Title of the paper	Research Journal(Volume & PageNo.)	WhetherRegional/State/National/ International	ISSN /ISBN	Impact Factor (IfAny)
1	Therapeutic role of <i>Spirulina platensis</i> against heavy metal cadmium sulphate in alterations in histopathology of kidneys of <i>Clarias batrachus</i> vol 12, issue 12:534-543	World journal of pharmaceutical research	2023 international	2277-7105	8.084 Peer reviewed
2	Chelating and therapeutic role of <i>Spirulina platensis</i> against heavy metal cadmium in histopathologyof gills of <i>Clarias batrachus</i> , vol12 issue (12) 565-574	World journal of pharmaceutical research	2023 international	2277-7105	8.084 Peer reviewed DOI:10.20959/wjpr 20196-14886
3	<i>Spirulina</i> : A potential algae and its health benefits to human health vol-12, issue 3 :186-191	World journal of pharmaceutical research 2023	International	2277-7105	8.084 Peer reviewed DOI:10.20959/wjpr 20233-26971
4	Therapeutic and protective role of <i>Spirulina platensis</i> on histopathology of liver in <i>Clarias batrachus</i> after cadmium sulphate toxicity vol 25No 2pp2087-2092	Journal of experimental zoology international journal (International journal) 2022	International	0972-0030	Ugc care list Peer reviewed
5	Protective role of <i>Spirulina platensis</i> in the histopathology-cal alteration in the	Journal of experimental zoology international journal		0972-0030	Ugc care list Peer reviewed

	Kidney of <i>Clarias batrachus</i> against Cadmium sulphate toxicity	(International journal) 2022	International		
6	Therapeutic role of spirulina platensis against Cadmium sulphate toxicity in the histopathology of liver of <i>Clarias batrachus</i> vol,25no2,pp2087-2092	Journal of experimental zoology international journal (International journal) 2022	International	0972-0030	Peer reviewed
7	Histopathological alterations in gills of teleost, <i>Clarias batrachus</i> after cadmium toxicity vol9 issue5,2574-2586	World journal of pharmaceutical research,2020	International	2277-7105	8.084 Ugc care list Peer reviewed
8	Impact of arsenic trioxide on toxicopathological profile of teleost, <i>Clarias Batrachus</i> vol9 , issue 5:954-965	World journal of pharmaceutical research,2020	International	2277-7105	8.084 Ugc care list
9	Protective role of <i>Spirulina platensis</i> on Haematological profile of cadmium sulphate exposed teleost <i>Clarias batrachus</i> vol8, issue 6, 1131-1140	World journal of pharmaceutical research,2019	International	0972-0030	8.084
10	<i>Spirulina platensis</i> -Its potential role in aquaculture vol8,.84-91	Voyager.Vol. VIINo.1,2017	International	0976-7436	Peer reviewed
11	Investigation of Cadmium and Arsenic toxicity vol-17no1,pp317-	Biochemical and cellular archives 2017	international	0972-5075	Ugc care list and peer reviewed

	321				
12	Behavioural manifestations in teleost , <i>Clarias batrachus</i> after exposure to heavy metal cadmium Sulphate vol8,1-5	Voyager ,vol vii dec 2016,83-88	International	0976-7436	3.8919 Peer reviewed
13	Effect of Cadmium Sulphate on certain biochemical parameter of <i>Clarias batrachus</i> Vol.5 Pp No. 1004-1011	World Journal of pharmaceutical research 2016	International	2277-7105	6.990 Peer reviewed
14	Impact of heavy metal , arsenic trioxide on biochemical profile of teleost , <i>Clarias batrachus</i> Vol3(2)141-146	International journal of life science 2015	International	2320-7817	Peer reviewed
15	Behavioural manifestations in teleost , <i>Clarias batrachus</i> after exposure to heavy metal Cadmim sulphate vol 8, 1-5	<i>Voyager, vol vii dec 2016, 83-88 2015</i>	International	0976-7436	3.8919 Ugc care list Peer reviewed
16.	High blood pressure-A silent Killer 702-712	World Journal of pharmaceutical research 2015	International		6.990 Peer reviewed

17	The status of alkaline phosphatase after ccl4 administration in hypo and Hyperthyroidic rats	National conference on energy environment tand biotechnology research 5-6oct2013	International	81-88919-16-0	
18	Arsenic trioxide induced haematological alterations in <i>Clarias batrachus</i> vol 16,no2pp561-566	Journal of experimental zoology(international Journal 2013	International	0972-0030	Peer reviewed
19	Toxicopathological changes in liver of <i>Clarias batrachus</i> due to Cadmium sulphate toxicity vol-15no1, pp253-258	Journal of Experimental Zoology (international journal) 2012	International	0972-0030	Peer reviewed
20	Haematological alterations induced by heavy metal cadmium toxicity in <i>Clarias batrachus</i> vol 14 , no2pp 411-415	Journal of experimental zoology international journal (International journal)2011	International	0972-0030	Peer reviewed

Research Paper Presented

S.No	Title of the paper/ Article Presented	Title of the Conference/Seminar	Date & Place	Organised & Sponsored By	Whether College/ University/ Regional/State/ National/ International
1	Therapeutic potency of <i>Spirulina platensis</i> , on histopathology of liver in <i>Clarias batrachus</i> after cadmium	Maharaja Agresen Himalayan gharhwal University Pokhra, Gharwal , uttrakhand	26-28 may 2023	International conference on agriculture and allied sciences for improving environment and food security	international

	sulphate toxicity invited lecture				
2	<i>Spirulina platensis</i> : a potential algae and its therapeutic efficacy against heavy metal cadmium exposed <i>Clarias batrachus</i> , guest lecture	Himachal Pradesh university , Summer Hill , Himachal Pradesh	28-30 april 2023	6 th International , conference on strategies and challenges in Agriculture and life sciences for food security and sustainable environment (SCALFE 2023)	International
3	Therapeutic and potential efficacy of <i>Spirulina platensis</i> on <i>Clarias batrachus</i> (Linn)against cadmium sulphate (guest lecture)	Shobhit University , meerut	21-22 feb 2023	International conference on Identification, conversions, implementation , and extension of science technology – research for sustainable development (ICIESSD-2023)	International
4	Efficiency and chealating role of spirulina platensis on <i>Clarias batrachus</i>	Agra College , Agra	21 Jan -23 jan 2023	1 st International conference on global approaches in agriculture allied sciences for sustainability , food security and livelihood	international
5	Potential role of spirulina platensis against cadmium sulphate in toxicity In histopathology in liver in <i>Clarias batrachus</i>	Department of Zoology M.M.H College , Ghaziabad , Uttar Pradesh	28-29 jan 2023	ICCSR – New Delhi sponsored , National seminar on environmental awareness	National
6	<i>Spirulina platensis</i> and its therapeutic effect against cadmium toxicity	Jaipur national univ	04-6 march 22	Advance in smart agriculture and biodiversity conservation for sustainable development (SABCD 2022)	national

7	Paper presented on Topic “ Role of Higher Education in Quality Education”	National conference on Landscape of Higher education in India- A Perspective to impact quality education	29-30 Nov 2021	organised by Department of Education And IQAC Raghunath Girls Post Graduate College Meerut	National
8	Therapeutic efficacy of garlic extract against heavy metal cadmium sulphate induced toxicity in clarias batrachus	National seminar (online) Medicinal plants and herbal immune boosters in covid- 19 Pandemic and beyond current Scenario and future prospects	09/04/2021	Department of botany Raghunath girls P.G. college, Meerut	National
9	Self reliant India	Atam nirbhar Bharat and possibilities and employment	12 july,2020	Govt(P.G)College,Bina M.P	International
10	Covid-19pandemic- Prevention and Futuristic Strategies at work Place	Innovations and Practices in Biological and environmental Sciences	28, june, 2020	Department of Biotechnology and microbiology,M.I.E.T	International
11	Covid-19 pandemic- Preventionand Futurestrategies Atworkplace	Impact of covid19 On environment And future Prospects	21 june2020	Department ofzoology N.R.E.C College, Khurja	National
12	Covid 19	Covid 19-a global issues	23 may 2020	R.R.P.G College Amethi [U.P]	International
13	Control mission of the corona pandemic	Control mission of the corona pandemic;role of government , NGOSand the masses	11 aug 2020	Dept of zoology,Pali wal, college Shikohabad, firozabad	International
14	Potential health benefits of spirulina microalgae	Green environment for environmental concerns and sustainable progress	1 Dec 2019	A.S College mawana, higher education	National

15	Prospective role of spirulina platensis in agriculture	Advances in agricultural , biological and applied sciences for zsustainable future (ABAS-2018)	20 -22 oct , 2018	Sardar patel auditorium , swami vivekanand subharti university , uttar pradesh , india	International
16	Protective role of spirulina platensis on Haematological parameter of Clarias batrachus against cadmium Toxicity	National seminar on environment, Climate Change & Sustainable	18-19 Oct 2018	Government Degree College, Nanauta, Saharanpur	National
17	GST & its uses	National seminar on GST in Present Scenario Impact & Challenges	28-29 Oct 2017	R.G (P. G) College Meerut	National
18	Emerging zoonoses in Dogs acompanion animal	National symposium on zoonotic disease and their prevention measures	16-18 march2017	Dept. of Zoology CCSUni. Meerut CSIRI CMRD RDO CCSU	National
19	Challenges &opportunities for women entrepreneurs inIndia	Two days national seminar of development ofwomen entrepreneurship of India	18-19 Feb2017	Dept. of Economic IsmilNatio nalMahila P.GCollege ,Meerut U.P ICSSRNew Delhi	National
20	cadmium pollution and its impacts	National seminar natural on resources management (NMR-2017)	Jan 29,2017	Environme - ntal science CCS Uni. Meerut	National
21	Social media and its role in society	Two days National seminar on role of Media in Terrorism and society: Its impact in society	28-29 Jan 2017	Dept.of Political Science Ismail national Mahila P.G	National

				college Meerut U.P	
22	Cadmium sulphate induced anomalies in teleost, Clarias batrachus	Climate change and Biodiversity conservation on Dec Botany Academic & Cultural Society Dept. of Botany R.G(P.G) College, Meerut	21, dec.2016	Botany Academic & Cultural Society Dept. of Botany R.G(P.G) College, Meerut ICCSSR, New Delhi	International
23	Behavioural study in teleost clarias batrachus after cadmium sulphate toxicity	Global initiatives in applied sciences and green technologies	9-11 sept 2016	Organised by SRM University, delhi campus, Modinagar Ghaziabad (U.P), india	international
24	Importance of water conservation in present times	National symposium on water conservation, climate change and organic farming	28 Nov. 2016	Sama viakas sangathan dept of geography, R.G College	National
25	Cadmium pollution a major human health concern	National conference on natural resources management for sustainable agriculture	25 Oct. 2016	Agricultural technology development Society (ATDS) Ghaziabad, U.P	National
26	Comparative investigation of two heavy metals, Cadmium and Arsenic on Blood profile of Clarias Batrachus	National symposium on environmental Toxicology	25-26 arch 2016	Dept. of Zoology CCS University Meerut U.P	National
27	Effect of heavy metal Cadmium pollutant on human health	National seminar on environmental issues and Challenge present scenario	Mar. 13&14 2016	Sanjay Gandhi (P.G) College Sururpur	National

				Khurd, Meerut (U.P) Environmental and social research organization New Delhi	National
28	Role of education in improving status of women	National seminar on Role of education in preventing female foeticide	Mar 5, 2016	MKR Government Degree College, Nandgram, Ghaziabad UP Dept. of higher education Govt of U.P	National
29	Effect of Cadmium trioxide on behaviour and response of teleost, <i>Clarias</i> <i>Batrachus</i>	National Symposium on role of Classical Zoology in present day scenario	19-20 Dec 2015	Department of Zoology R.G(P.G) College Meerut	National
30	Rain water and its harvesting measures	Workshop on rainwater harvesting. R.G college Meerut	2, Dec 2015	Department of Botany R.G (P.G) College Meerut	National
31	Life cycle of Plasmodium Vivax	Malaria awareness; causes, symptoms and vaccines	27 Nov 2015	Department of zoology R.G.P.G College Meerut	International
32	Toxicity of heavy metal, arsenic trioxide in gills of <i>Clarias</i> <i>Batrachus</i>	The role of biology in bringing second green revolution	11, 12 October 2015	Department of botany M.S College Saharanpur, UGC	National
33	Professional ethics in education	Spiritual orientation-a predictor of mental Health in teaching professionals	28 Jan 2015	Department of education R.G College,	National

				Meerut	
34	Arsenic trioxide induced haematological alterations in <i>Clarias Batrachus</i>	Faunal diversity and its conservation	19,20 mar ch2 013	Department of zoology D.A.V [P.G] Muzaffarnagar	National
35	Effect of arsenic trioxide after 30 and 60 days of exposure in <i>clarias batrachus</i>	Relevance of traditional areas of biological study in modern context	6,7 oct ,2012	Department of zoology Janta vedic college ,barut, Bagpat	National
.36	Effect of cadmium sulphate on gill histology of <i>Clarias Batrachus</i>	Changing scenario in life sciences for future challenges	17,18 mar ch2 012	Department of zoology D.N College meerut	<i>National</i>
37	Arsenic trioxide induced changes in intestine of <i>Clarias batrachus</i>	Environmental problems and their remedial measures	24-26 mar ch2 012	Department of environmental science ch. Charan Singh University	<i>National</i>
38	Cadmium induced changes in behavior <i>Clarias Batracus</i>	Prospects utility and challenges of biotechnology in agriculture development	11,12 nov 2011	Organised by society of biological sciences and rural development ,Allahabad	<i>National</i>
39	Arsenic trioxide induced toxicopathological changes in liver of <i>Clarias batrachus</i>	Uchch siksha mannusandhan	3,4 dec 2011	Dept. of music shayeed mangal pandey college, Higher education	<i>National</i>
40	Haemato-biochemical effects induced by cadmium	Thrust areas in fish biotechnology and fish conservation	19 sept 2009	Dept of zoology meerut college meerut ,D.B.T	<i>National</i>

Conference/ Seminar/ Webinar/ Workshop attended as Speaker/ Chief Guest/ Chairman/ Co-Chairperson/Rapporteur

S.No	Title of the Conference/ Seminar/Webinar	Date&Place	Organised &Sponsored By	Whether College/University/Regional/ State/ National/International
1	National seminar cum exhibition on herbal therapy :present scenario andfuture Prospects	19 sept2019	Dept of botany,R.G.P.G College,Meerut	Deligate,national
2	TheRoleof Classical Zoology in Present Day Scenario	19-20Dec. 2015 Editor of souvienar	Dept.of ZoologyR.G. P.G.College Meerut	Editor of souvinar

Conference/Seminar/ Webinar/Workshop/ExhibitionOrganised

<ul style="list-style-type: none"> ● Resource person in national workshop on conserving and sustainably managing gangetic flood plain wetlands and delivered lecture on topic entitled “conservation of wetland ecosystem on 4 .9.21 ecosystem “ organised by department of forest Uttar pradesh,MCFI Meerut and india water partnership NGO in collabaration with Ragnath girls post graduate college meerut ● Organising secretary in national webinar on world environment day on 5 june , 2021 titled ecosystem restoration and restoration and sustainable development : future and present ● Member of organising committee in seven days online workshop on relax , rejuvenate and reset during second wave of covid with pragnic program 17 june 2021-23 june
<p>Convenor and organising secretary in conducting on line poster competition and guest lecture on 2.10 2020 / world animal day</p>
<p>Convenor and organize guest lectures, powerpoint competition on different themes from year 2016</p> <p>Convenor of zoology association from 2016-2021</p>

Projects

S.No	Title	Type	Funding Agency	Amount	Time-Period
2020					
1	Therapeutic and protective role of <i>Spirulina platensis</i> against heavy metal cadmium toxicity in <i>Clarias batrachus</i>	Research And Development Programme	Higher Education Commission Prayagraj	<u>2,36000/ lakhs</u>	<u>3 years</u>

Administrative Activities in College/University

S.No	Name of the Committee	Types of Activity/ Participation	Whether University or College Level	Year
2023- 2024				
1	convenor of innovation cell			
2	member of mentor :mentee cell			
3	incharge of deptt			
2022 – 23				
1.	Member of vasudha ecoclub			
2.	member of mentor :mentee cell			
3.	member of research development cell			
2021-2022				
Member of sports committee				
Departmental IQAC and AQAR Incharge				
Member of debating society				
2020-2021				
	Convenor of zoology association			
	Member of sports committee			
	Member of green audit			

	Member of research cell			
1	Zoology association	Inter college power point presentation along with interactive session with judges completion on world animal day	College	04/10/2019
2	Judged poster competition	Traffic safety rules	College	10/10/2020
3	Incharge of AQAR		College	
4	Convenor of zoology association			
5	A.S in exam duties		College	
2018-2019				
1	Incharge of AQAR		College	
2	Convenor of zoology Association			
2017-2018				
1	Member of formational festival			
2.	Member of college academic and career counselling cell			
3.	Convenor of zoology Association			
2016-2017				
1.	Member of college academic and career counseling cell		College	
2.	Exam duties			
2015-2016				
1.	Member of Proctorial board		College	

2	Member of college academic and career counseling cell			
3	Member of committee for national festival			
4	Convenor of zoology association			
		2014-2015		
1	Member of proctorial board		College	
2	Member of college academic and Career counseling cell		College	
3	Member of committee for national festival		College	
4	Member of sports committee		College	
		2013-2014		
1	Member of sports Committee		College	
2	Member of career Counseling cell		College	
3	Member of proctorial board		College	
4	Member of committee for national festival		College	
		2013-2012		
1	Member of sports Committee		College	
2	Member of career counseling cell		College	
3	Member of proctorial board		College	
4.	Member of committee for national festival			
		2012-2011		
1.	Member of sports committee		College	

2	Member of career Counseling cell		College	
3	Member of Proctorial board		College	
4	Member of committee for national festival		College	
2011-2010				
1	Member of sports committee		College	
2	Member of Career counselling cell		College	
3	Member of Proctorial board		College	
4	Member of committee or National festival		College	
2009-2010				
1	Member of sports committee		College	
2	Member of career counselling cell		College	
3	Member of proctorial board		College	
4	Member of committee for national festival		College	

M.Phil/ Ph. D Supervised

S.No	Name of the student with RegdNo	University Registered	Topic	Type of Supervision **	Enrolled Year	Submitted year	Awarded Year
2017							
1	Pragati	Ch. Charan Singh University, Meerut	“Elucidation of therapeutic effects of spirulina plantensis on clarias batracus (linn) against cadmium sulphate toxicity”	SUBMITTED 2022	2017	pursuing	
2021							
2	Aashana	Ch. Charan Singh University, Meerut	“Nemic		2021	pursuing	

			diversity associated with the food crops of down hills of garhwal and its management using entomopathogenic nematodes”				
3	Sana Ansari	Ch,Charan Singh University, Meerut	“ameliorative and theraputic efficacy of garlic extract against heavy metal, cadmium sulphate induced toxiciy in clarias batrachus”		2021	pursuing	

FacultyDevelopmentProgramme attended

S.No	Type of FDP	Title of theFDP	Place	Dates	Grade(IfAny)
1.	One week faculty development program	Professional development of faculty	Zoology develomnent , sept , of paliwal P.G college , shikohabad firozabad (u.p)	27 aug- 02 2020	
2	One week national Online teacher/faculty Development program(FDP)	E-Learning and ICT tools for Effective Teaching–Learning	Aravali collegeof advanced Studies in education, Pali	8-13 June, 2020	

			Faridabad		
3	Online workshop on Elementary Bioinformatics	Elementary bioinformatics	School of biosciences, IMS Ghaziabad university Courses Campus	24 June-03 July	
4	Training course	Applications of molecular and Bioinformatics tools in Agriculture and allied sciences	Organised By CST, U.P Center of excellence in agriculture sardar vallabh patel university of agriculture and technology b, meerut	12 Feb 2020 - feb 25 2020	
5.	One week workshop	Introduction, synthesis and characterization of Nanomaterials (ISCN-2019)	Centre for international Cooperation nch. Charan	16-21 dec 2019	

			Singh univ, andcentral Connecticut State univ ,new Britain		
6	Oneweek FDP	Research methodologyand environment-sustainable development	Meerut college meerut	27dec- 2 jan 2019	
7	3 week interdisciplinary faculty recharge	Enrichment of teacher course in research methodology for science and social science	Meerut college , meerut	10june -30 june 2017	
8	One week national workshop	Prepration of research proposal- a multidisciplinary approach	Subharti university	7 april- 13 april 2016	
9.	Short term training course	molecular approaches for augmenting reproductive efficiency in cattle	Icar;central institute for research on cattle	8-21 dec 2015	
10	National workshop	Recent advances in nematode taxonomy RANT -2014	Dept. of zoology ch. Charan singh university Meerut		
11	Workshop cum hands on training	Computational identification of micro RNA for biotic and abiotic stress tolerance in cereals	Dept of genetics and plant breeding , ch charan singh univ	12-14 jan 2015	
13	National workshop	Role of IPR in biotechnology	Shobhit univ , meerut	8 dec 2014	
14	Refresher course	Life sciences	CPDHE, UGC- ASC	25 Feb- 16 march 2 013	
15	Workshop	Biotechnology and bioinformatics	CAEHS	21-22 nov 2011	
16	Orientation course	4 week orientation course	UGC, Jamia milia islamia, delhi	18 oct- 16 nov 2010	
17	Workshop	National worshop on applied nematology	Nematology , lab, ch .charan singh university	23-29 nov 2009	

Extension activities:-++

S.No	Name of the Activity	Types of Participation	Whether School/other Colleges/Univer sity/Regional/ State/National/I nternational	Date	Collaboration (IfAny)

	Importance of meditation and yoga in global perspective:connecting body and mind	Neev—a social education initiative of IIT	International webinar	21 June 2020	Visits
	Conducted self defense programme	Sports dept	At college level	7 march	

Future plans

- More research papers to be published
- To get more research projects for different agencies
- To get patent done
- To get more involved in virtual learning
- Seek Opportunities to take leadership role such as serving communities , organizing conferences and leading research group
- Initiate collaboration with industries partner, research institute and other universities to enhance impact of research and its applications
- Explore international collaborations with researchers and institutes.