



महात्मा ज्योतिबा फुले
कृषिविज्ञान प्रस्थान, बरेली

Faculty Profile on University Website

www.mjpru.ac.in

Name		Dr. Sachin Kumar		Photograph
Designation		Assistant Professor		
Department		Zoology		
Address	Campus	Constituent Government College, Meerapur Banger, Bijnor		
	Residence	Village: Milak (Naipura), Thana: Rajabpur, Post: Rajabpur, Pin: 244236, District: Amroha Uttar Pradesh, India		
Mobile No.		09897029352 (WhatsApp)		
Email ID		Personal	sachin.amroha@gmail.com	
		University Domain	-	
Professional Networking ID		https://www.researchgate.net/profile/Dr-Kumar-235		
Linkedin, Twitter etc.		Web of Science ResearcherID:AAE-3754-2019		
		Scopus id: 57220592151		
Educational Qualifications (Graduation Onwards)				
Degree	Institution	Year	Details/Thesis Topic/Subjects	
B.Sc	C.C.S. University, Meerut	2004	Zoology, Botany, Chemistry	
M.Sc	C.C.S. University, Meerut	2007	Zoology	
Ph.D	Mewar University, Chittorgarh, Rajasthan	2016	Evaluation of resistance status in cattle tick, <i>Rhipicephalus microplus</i> due to chemical pesticides and their residues in meat and milk.	
NPDF	M.J.P. Rohilkhand University, Bareilly	2016-17	Characterization of chemical acaricides resistance in cattle and bovine ticks to formulate their sustainable control strategy	
NPDF	ICAR-Indian Veterinary Research Institute, Izatnagar, Bareilly	2017-19	Detection of acaricides resistance in cattle ticks population from the Haryana state and Development of Strategies to Improve Surveillance and their control.	
Career Profile				
Organization / Institution	Designation	Duration	Nature of Duties	
Constituent Government College, Meerapur Banger, Bijnor (M.J.P. Rohilkhand University, Bareilly)	Assistant Professor	12 th December 2023 - Till date	Research and Teaching	

ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly	Young Scientist & PI.	07 th August 2020 - 10 th December 2022	Research and Teaching
CCS University, Meerut-250001	Post Doctoral Fellow (ICMR)	01 st August 2019 - 31st July 2020	Research
ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly	National Post Doctoral Fellow & PI	01 May 2017 - 30th April 2019	Research
MJP Rohilkhand University, Bareilly- 243006	National Post Doctoral Fellow & PI	13 th April 2016 - 30 th April 2017	Research

Research Interests / Specialization/ Software Engineering

Drug development ♦ Insecticides resistance ♦ Vector born disease ♦ Parasitology ♦ Vector control ♦ Tick Vaccine ♦ Integrated Pest Management ♦ Herbal Acaricides ♦ Entomology ♦ Toxicology ♦ Tick Biodiversity ♦ Natural products

GraphPad-Prism software/ SPSS software/ PoloPlus software

Research Experience in Years : 8.0 years

No of Research Scholars Successfully Guided

Name of Programme	Awarded	Under Supervision
Ph.D./M.Vsc	01	01
M.Phil.	--	-
Dissertation	03	03

Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
	Scopus id: 57220592151	https://orcid.org/0000-0001-7809-0307	Web of Science ResearchID :AAE-3754-2019		Dr Sachin Kumar- Google Scholar https://www.researchgate.net/profile/Dr-Kumar-235

Teaching Experience (Subjects/Courses Taught)

1.	Zoology (Non-Chordata, Chordata, Animal Physiology, Endocrinology)
2.	Parasitology (Medical Parasitology, General Parasitology)
3.	Entomology (Medical Entomology, Veterinary Entomology)
4.	Environmental Science (Biodiversity, Environmental Pollution, Climate Change)
5.	Toxicology (Chemical Toxicology, Pesticides Toxicology, Solvent Toxicology)
6.	Natural Science (Molecular Biology, Cell Biology & Biochemistry)

Honours / Awards & Fellowship FOR OUTSTANDING WORK			
Name of Award/ Fellowship	Awarded By		
	Name of Governmental Agency	Name of Government Supported Organization	Name of International Recognized Body
Scientist of the Year Award-2023-24	5 th International Conference (ICAAAS-2023)	Constituent Government College, Meerapur Banger, Bijnor	-
ICMR- Young Scientist Award	Indian Council of Medical Research, New Delhi	ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly	-
Top 2 % Scientists List (2020)	-	ICAR-IVRI, Izatnagar-243122, Bareilly	Stanford University California, USA, in 2020.
Top 2 % Scientists List- (2021)	-	ICAR-IVRI, Izatnagar-243122, Bareilly	Stanford University California, USA, in 2021
Associate Editor	-	International Journal of Tropical Insect Science	Springer Journal, Berlin, Germany
Reviewer	-	Scientific Reports	Springer Nature
ICMR-PDF Award	Indian Council of Medical Research, New Delhi	C.C. S. University, Meerut-250001	-
Best Science Investigator Award in the field of Entomology, 2018	International conference on Agriculture, Allied and Applied Science held on April 28-29, JNU, New Delhi.	ICAR-IVRI, Izatnagar-243122, Bareilly	-
Best Appreciation Award	Department of Science & Technology, Science and Engineering Research Board (SERB), Govt. of India	ICAR-IVRI, Izatnagar-243122, Bareilly	-
National Post-Doctoral Fellowship award	Department of Science & Technology, Science and Engineering Research Board (SERB), Govt. of India.	ICAR-IVRI, Izatnagar-243122, Bareilly	-
National Post-Doctoral Fellowship award	DST, Science and Engineering Research Board (SERB), Govt. of India	MJP Rohilkhand University, Bareilly-243006	-
Senior Research Fellow, Award-DBT	Department of Biotechnology, New Delhi	ICAR-IVRI, Izatnagar-243122, Bareilly	-
Senior Research Fellow, ICAR	Indian Council of Agriculture Research, New Delhi	ICAR-IVRI, Izatnagar-243122, Bareilly	-
Dr. P.D. Sethi Annual Award	HPTLC Association, New Delhi	ICAR-IVRI, Izatnagar-243122, Bareilly	-

(2015)									
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	01 & 01	Research Papers Published in International Journals	49	Papers Presented in Seminars/Conferences	12	Seminars/Conferences Organized	04	Research Projects (Completed)	04
Books (Co-authored)	01	Research Papers Published in Other Journals	11	Seminar/Conferences Attended	17	Workshop Organized	04	Research Projects (Ongoing)	-
Books (Edited)	04	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	02	Sessions Chaired in Seminars/Conferences	-	Memberships of Academic/Professional Bodies	08	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	08			Resource Lectures Delivered	01				

Details of Publications /Academic Activities (2010 Onwards)					
(a) Authored Books/ Monographs					
Name of Book	Year of Publication	Publisher	ISBN No		
Futuristic Trends in Medical Sciences	2023	I.I.P. Iterative International Publishers, India	979-93-25642-88-4		
(b) Edited Books					
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
2023	A laboratory Manual on <i>Rhipicephalus microplus</i>	Cambridge Scholars Publishing, UK ₂	13: 978-1-5275-0418-9	-	22
2022	Futuristic Trends in Biotechnology	I.I.P. Iterative International Publishers, India	978-93-95632-84-3	-	4
2021	The entomological guide to <i>Rhipicephalus</i>	Nova Science Publishers, USA	978-1-53619-619-1	-	43
2016	Environmental pollution in upper gengatic plan region of India.	Lambert Academic Publisher, USA	978-3-659-85855-0	-	28
(c) Patents Published					
S.N.	Patent Title	Patent Number	Year	Authors	
1.	Novel Antitick Phyto-pharmaceutical formulations (TK-5, TK-10, TK-C) against Tick Infestations in Livestock and Pets	TEMP/E-1/59536/2020/DEL	2022	Sachin Kumar et al.,	

	Animals			
2.	An eco-friendly herbal acaricide to control ticks including acaricide resistant species infesting livestock and pet animals.	2196/DEL/2011	2012	Sachin Kumar et al.,
3.	Acaricidal properties of flower of <i>M. chamomile</i> .	3856/DEL/2012	2014	Sachin Kumar et al.,

• **Technology Transfer:**

1. **Technology commercialized (2019):** An eco-friendly herbal formulation acaricide to control ticks including acaricide resistant species infesting livestock and pet animals.
Sachin Kumar, Srikanta Ghosh, Ajay Kumar Singh Rawat, Mahesh Chandra Sharma, Debdatta Ray, Sharad Srivastava, **(IPR-327146) technology transfer to Ajaybiotech India Ltd. By ICAR-IVRI**

(d) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journal

Year	Title	Name of Journal	ISSN No	Citations	Impact Factor
International Publications					
2023	“Diversity and Seasonal Distribution of Hard Ticks in Livestock Animal Population from Western part of Uttar Pradesh in India”.	Acta Scientific Veterinary Sciences	2582-3183 doi:10.31080/ASVS/2023.	12	1.12
2023	Co-Immunization Efficacy of Recombinant Antigens against <i>Rhipicephalus microplus</i> and <i>Hyalomma anatolicum</i> Tick Infestations.	Pathogens	2076-0817 https://doi.org/10.3390/pathogens12030433	10	4.60
2022	Synergistic property of piperonyl butoxide, diethyl maleate, triphenyl phosphate and verapamil hydrochloride with deltamethrin and ivermectin against <i>Rhipicephalus microplus</i> ticks.	Ticks and Tick-borne Diseases	1877-959X, https://doi.org/10.1016/j.ttbdis.2022.102006	27	3.91
2022	Economic impact of predominant ticks and tick-borne diseases on Indian dairy production systems.	Experimental Parasitology	0014-4894 https://doi.org/10.1016/j.exppara.2022.108408	41	2.21
2022	Resistance of <i>Rhipicephalus microplus</i> ticks against synthetic pyrethroids from different places of Rewa district of Madhya Pradesh, India	International Journal of Tropical Insect Science	1742-7592	14	1.29
2022	Establishment of antitick efficacy of a phytopharmaceutical	Acta Tropica	0001-706X	32	3.3

	formulation prepared from <i>Annona squamosa</i> leaf extracts for the management of acaricide resistant tick infestations on cattle.				
2022	Synergistic properties of essential oils of eucalyptus (<i>Eucalyptus globulus</i>) and lemon grass (<i>Cymbopogon flexuosus</i>) against cattle tick, <i>Rhipicephalus microplus</i> .	International Journal of Acarology	0164-7954	27	1.25
2021	Detection of Deltamethrin Resistance in Cattle Tick, <i>Rhipicephalus microplus</i> Collected in Western Haryana State of India	Journal of Arthropod-Borne Diseases	2322-1984	17	1.23
2021	Comparative susceptibility of <i>Rhipicephalus microplus</i> collected from the northern state of India to coumaphos, malathion, deltamethrin, ivermectin, and fipronil.	Tropical Animal Health and Production	0049-4747 https://doi.org/10.1007/s11250-021-02886-x	46	2.0
2021	Evaluation of acaricidal resistance status of <i>Rhipicephalus microplus</i> ticks from the hilly state (Uttarakhand) of India and evaluation of efficacy of a natural formulation for the management of resistant ticks.	Experimental and Applied Acarology	1572-9702	47	2.4
2021	Characterization of deltamethrin, cypermethrin, coumaphos and ivermectin resistance in populations of <i>Rhipicephalus microplus</i> in India and efficacy of an antitick natural formulation prepared from <i>Ageratum conyzoides</i>	Ticks and Tick-borne Diseases	1877-959X	63	3.91
2021	Deltamethrin and coumaphos resistance and role of biochemical mechanisms in camel tick, <i>Hyalomma dromedarii</i> collected from Haryana state of India.	International Journal of Tropical Insect Science	1742-7592	27	1.21
2021	Cypermethrin resistance in <i>Hyalomma anatolicum</i> and <i>Rhipicephalus microplus</i> ticks of arid and semi-arid zone of Haryana, a northern state of India.	International Journal of Tropical Insect Science	1742-7592	31	1.21

2021	Efficacy of commercially available chemical compound used against management of tick infestation in Mhow, Madhya Pradesh	International Journal of Tropical Insect Science	1742-7592	47	1.21
2021	Molecular tools-advances, opportunities and prospects for the control of parasites of veterinary importance.	International Journal of Tropical Insect Science	1742-7592	51	1.21
2021	Emergence of fipronil resistance in cattle ticks <i>Rhipicephalus microplus</i> and <i>Hyalomma anatolicum</i> collected from Haryana, India.	International Journal of Tropical Insect Science	1742-7592	67	1.21
2020	Emergence of fipronil resistant <i>Rhipicephalus microplus</i> populations in Indian states.	Experimental and Applied Acarology	1572-9702	73	2.30
2020	Standardization of tick specific biochemical tools for estimation of esterases, monooxygenases and glutathione S-transferase for characterization of acaricide resistance.	Pesticide Biochemistry & Physiology	0048-3575	93	5.0
2020	Status of human brucellosis in district Malakand, Khyber Pakhtunkhwa, Pakistan.	Journal of Infection and Public Health	1876-0341	101	6.79
2020	Prevalence of ixodid ticks infesting in cattle of Chhattisgarh state, an east-central part of India.	International Journal of Tropical Insect Science	1742-7592	46	1.22
2020	Characterization of acaricide resistance in <i>Rhipicephalus microplus</i> populations infesting cattle in northeastern India and assessment of local plant extracts for tick management.	Veterinary Parasitology	0304-4017	91	2.87
2019	Antitick potential and chemical variability among <i>Ageratum conyzoides</i> L. germplasms collected from Eastern and Western Ghats of India	International Journal of Acarology	0164-7954	110	1.29
2019	Acaricidal efficacy of <i>Calotropis procera</i> (Asclepiadaceae) and <i>Taraxacum officinale</i> (Asteraceae) against <i>Rhipicephalus microplus</i> from Mardan, Pakistan.	Experimental and Applied Acarology	1572-9702	37	2.31

2019	Acaricide resistance in <i>Rhipicephalus microplus</i> collected from selected districts of Madhya Pradesh, Uttar Pradesh and Punjab states of India.	Tropical animal health and production	0049-4747	41	1.89
2019	Cat flea (<i>Ctenocephalides felis felis</i>) and Oriental cat flea (<i>Ctenocephalides orientis</i>) infestation as a emerging nuisance to human population.	Journal of Entomology and Zoology Studies	2349-6800	19	0.50
2019	Therapeutic management of mange infestation in cat (<i>Felis catus</i>): a case report.	International Journal of Tropical Insect Science	1742-7592	33	1.21
2018	Role of metabolic enzymes in conferring resistance to synthetic pyrethroids, organophosphates, and phenylpyrazole compounds in <i>Rhipicephalus microplus</i> .	International Journal of Acarology	0164-7954	108	1.29
2018	Molecular mechanism of synthetic pyrethroid and organophosphate resistance in field isolates of <i>Rhipicephalus microplus</i> tick collected from a northern state of India.	Experimental and Applied Acarology	1572-9702	53	2.31
2018	Determination and validation of discriminating concentration of ivermectin against <i>Rhipicephalus microplus</i> .	Veterinary Parasitology	0304-4017	93	2.87
2018	Establishment of a multi-acaricide resistant reference tick strain (IVRI-V) of <i>Rhipicephalus microplus</i> .	Ticks and Tick-borne Diseases,	1877-959X	112	4.0
2017	Comparative study of esterases in deltamethrin and diazinon resistant <i>Rhipicephalus microplus</i> and <i>Hyalomma anatolicum</i> ticks collected from the Trans-Gangetic plains of India.	Experimental & Applied Acarology	1572-9702	43	2.31
2017	Crimean Congo Hemorrhagic Fever (CCHF) – A Chronicle of Human, Tick and Animal.	Annals of Clinical Cytology and Pathology	2475-9430	14	0.547
2017	Characterization and establishment of a reference deltamethrin and cypermethrin resistant tick line (IVRI-IV) of	Pesticide Biochemistry and Physiology	0048-3575	83	5.0

	<i>Rhipicephalus (Boophilus) microplus.</i>				
2016	Esterase mediated resistance in deltamethrin resistant reference tick colony of <i>Rhipicephalus microplus.</i>	Experimental & Applied Acarology	1572-9702	47	2.31
2016	Over-expression of esterase in acaricide resistant isolates of <i>Rhipicephalus (Boophilus) Microplus.</i>	International Journal of Science, Environment and Technology	3457 -3465	31	0.25
2016	Acaricide resistance in <i>Rhipicephalus (Boophilus) microplus</i> and <i>Hyalomma anatolicum</i> collected from Haryana and Rajasthan states of India.	Experimental & Applied Acarology	1572-9702	121	2.31
2016	Chemo-profiling and bioassay of phytoextracts from <i>Ageratum conyzoides</i> for acaricidal properties against <i>Rhipicephalus (Boophilus) microplus</i> (Acari: Ixodidae) infesting cattle and buffaloes in India.	Ticks and Tick-borne Diseases	1877-959X	67	4.0
2015	Identification of potential plants extracts for anti-tick activity against acaricide resistant cattle tick, <i>Rhipicephalus (Boophilus) microplus</i> (Acari: Ixodidae).	Experimental & Applied Acarology	1572-9702	81	2.31
2015	Survey of acaricides resistance status of <i>Rhipiciphalus (Boophilus) microplus</i> collected from selected places of Bihar, an eastern state of India.	Ticks and Tick-borne Diseases	1877-959X	66	4.0
2015	<i>In vitro</i> acaricidal properties of <i>Semecarpus anacardium</i> fruit and <i>Datura stramonium</i> leaf extracts against acaricide susceptible (IVRI-I line) and resistant (IVRI-V line) <i>Rhipicephalus (Boophilus) microplus.</i>	Research in Veterinary Science	0034-5288	67	2.51
2015	Determination and establishment of discriminating concentrations of malathion, coumaphos, fenvalerate and fipronil for monitoring acaricide resistance in ticks infesting	Ticks and Tick-borne Diseases	1877-959X	108	4.0

	animals.				
2014	Determination of discriminating dose and evaluation of amitraz resistance status in different field isolates of <i>Rhipicephalus (Boophilus) microplus</i> in India.	Experimental & Applied Acarology	1572-9702	57	2.31
2013	Acaricide resistance status in Indian isolates of <i>Hyalomma anatolicum anatolicum</i> .	Experimental & Applied Acarology	1572-9702	98	2.31
2013	Survey of pyrethroids resistance in Indian isolates of <i>Rhipicephalus (Boophilus) microplus</i> : identification of C190A mutation in the domain II of the para-sodium channel gene.	Acta Tropica	0001-706X	97	3.3
2013	Acaricidal properties of <i>Ricinus communis</i> leaf extracts against organophosphate and pyrethroids resistant <i>Rhipicephalus (Boophilus) microplus</i> .	Veterinary Parasitology	0304-4017	107	2.81
2012	Deltamethrin and cypermethrin resistance status of <i>Rhipicephalus (Boophilus) microplus</i> collected from six agro-climatic regions of India.	Veterinary Parasitology	0304-4017	2.13	2.81
2011	Diazinon resistant status in <i>Rhipicephalus (Boophilus) microplus</i> collected from different agro-climatic regions of India	Veterinary Parasitology	0304-4017	118	2.81
2011	<i>In vitro</i> and <i>in vivo</i> efficacy of <i>Acorus calamus</i> extract against <i>Rhipicephalus (Boophilus) microplus</i> .	Parasitology Research	0932-0113	102	2.80
2011	Amelioratives Role of Vitamin C, <i>Red Cabbage Extract (Brassica Oleracea)</i> and <i>Turmeric (Curcuma Longa) Rhizome Extract</i> Alleviate Cadmium-induced Oxidative Stress in Freshwater <i>Bloch (Heteropneustes Fossillis)</i> in Liver, Gills and Muscle.	International Journal of Food, Agriculture and Veterinary Science	2277-209X	33	0.145
2013	Use of pesticides in agriculture and livestock animals and its impact on	Asian Journal of Environment	0976-8947	107	0.145

	environment of India.	Science						
National Publications								
2023	Anthelmintic Resistance: Recent Trends in Diagnosis and Control Strategy.	Journal of Experimental Zoology	0972-0030	7	0.148			
2018	Prevalence of hard ticks (Acari: Ixodidae) of Indian zebu cattle (Kosli) in Bastar plateau zone of Chhattisgarh, India	Journal of Experimental Zoology, India	0972-0030	11	0.148			
2017	Expression and determination of immunization dose of recombinant tropomyosin protein of <i>H. anatolicum</i> for the development of anti-tick vaccine.	Indian Journal Animal Sciences	0367-8318	17	0.151			
2016	Characterization of acaricide resistance in tick isolates collected from Rajasthan, India	Indian Journal Animal Sciences	0367-8318	23	0.151			
2016	Plasma mineral profile of normal cyclic and postpartum anestrus murrah <i>Buffaloes</i> in Organised farms.	International Journal of Animal Science Research	0974-6307	6	0.14			
2015	Pathological responses of <i>perifolliculitis</i> , <i>folliculitis</i> and <i>furunculosis</i> in domestic fowl (<i>Gallus domesticus</i>).	Journal of Biology Science and Medicine	2455-5266	2	0.14			
2013	Acaricide resistance status of <i>Rhipicephalus (Boophilus) microplus</i> and <i>Hyalomma anatolicum</i> collected from Haryana	Indian Journal Animal Sciences	0367-8318	11	0.151			
2012	Comparative acaricidal properties of different solvents and surfactants on <i>Rhipicephalus (Boophilus) microplus</i> (Acari: Ixodidae).	Indian Journal Animal Sciences	0367-8318	43	0.151			
2011	Nucleotide specific changes in the hypervariable region of 16S rDNA gene as possible marker to differentiate the tick genera.	Indian Journal Animal Sciences	0367-8318	19	0.151			
(d) Chapter/Paper Published in Edited Books								
Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of science
National	International							
-	Sachin	A laboratory	Tick resistance	Cambridge	2023	(13):978-1-5275-		22

	Kumar	Manual on <i>Rhipicephalus microplus</i>	to acaricides diagnosis	Scholars Publishing, UK		0418-9		
Sachin Kumar	-	Environmental Issues Problem and Solutions	Intensive use of pesticides in Agriculture and livestock in India and their impact on Environment	ABS Books Publisher and Exporter	2022	978-93-91002-190		53
-	Sachin Kumar	The Entomological Guide to <i>Rhipicephalus</i>	Current status of tick borne diseases in India	Nova Science Publisher, USA	2021	978-53619-619-1.81-100		33
Sachin Kumar	-	The Entomological Guide to <i>Rhipicephalus</i> ; Nova Science Publisher	Acaricides Resistance in India: Problem and Mitigation	Nova Science Publisher, USA	2021	978-53619-619-1.81-100		26
Sachin Kumar	-	Livestock Management (Products Technology and Health)	Herbal acaricide-future of arthropod control of veterinary importance.	Published by IVRI - Izatnagar -243122, U.P, India	2013	425-430		-
Sachin Kumar	-	Livestock Management (Products Technology and Health)	Acaricide resistance in tick: possible mode of action and application of monitoring tools.	Published by IVRI - Izatnagar -243122, U.P, India	2013	431-435		-
Sachin Kumar	-	Livestock Management (Products Technology and Health)	Acaricide resistance in tick: application of	Published by IVRI - Izatnagar -243122,	2013	437-443		-

		gy and Health	monitoring tools	U.P, India			
(e) Invited as Resource Lectures Person/Examiner/Expert							
Resource person	Detail of Event	Title of Lecture		Date	Institution		
Dr. Sachin Kumar	Joint Workshop Conducted at IVRI & NBRI	<i>In-vitro</i> -Bioassay for resistant Characterization (Practical)		23 rd Sept. 2013 - 3 rd October. 2013	IVRI, Izatnagar, Bareilly		
(f) Seminars/Conferences/Workshops Organized							
1.	Joint Organizing Secretaries, VII International Conference on: Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2022), 21-23th November 2022, Venue : Birsa Agricultural University, Ranchi, Jharkhand, India						
2.	International Web Conference on “INNOVATIVE AND CURRENT ADVANCES IN AGRICULTURE AND ALLIED SCIENCES”,(ICAAAS-2021), 19-21 July 2021, Venue: SKRAU, Bikaner, Rajasthan, India						
3.	Joint Organizing Secretaries, VI International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2021) 13-15th December 2021.Venue : SKRAU, Bikaner, Rajasthan, India						
4.	Assessment of resistance in ticks to chemical acaricides and processing of plant based anti tick products (2013). Entomology Laboratory, Division of Parasitology, Indian Veterinary Research Institute, Izatnagar (23 rd Sept. 2013 - 03 rd October. 2013)						
(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)							
Year	Name of Project & Collaborations	Funding Agency	Amount (Lakhs)	Duration			
				From	Till		
2020	Diagnosis of insecticides resistance in tick population in Uttarakhand and promote a strategies for the control of tick and tick borne disease at ICAR-IVRI, Izatnagar-243122	ICMR, New Delhi	30.0	7.8. 2020	10.12.2022		
2019	“Characterization of insecticides resistance in <i>R. microplus</i> population of Uttar Pradesh and formulate a strategy for the control of tick and tick born disease” at CCS University, Meerut-250001	ICMR, New Delhi	21.8	1.8.2019	31.7.2020		
2017	“Detection of acaricides resistance in cattle ticks population from the Haryana state and Development of Strategies to Improve Surveillance and their control” at ICAR-IVRI,	DST-SERB, New Delhi	20.0	1.5.2017	30.4.2019		

	Izatnagar-243122, Bareilly.				
2016	Characterization of chemical acaricides resistance in cattle and bovine ticks to formulate their sustainable control strategy” at MJP Rohilkhand University, Bareilly	DST-SERB, New Delhi	20.0	13.4.2016	30.4.2017
(h) Administrative Positions/Assignments Held					
Post	Organization	Duration			
		From	To		
NA	NA				
(i) International/National:Seminar/Conference Presentations					
1.	International Conference On“Agriculture, Foods Sciences & Environmental Technology for Sustainable Global Development” (AFSET – 2012.) Organized by Krishi Sanskriti 28th and 29th October at Jawaharlal Nehru University, New Delhi. Sachin Kumar , Sumer Singh Rawat and Deepak Singh (2012). Current status of forest covers in India & its conservation by Indian constitution: A Review				
2.	International Conference on Emerging Trends in Engineering and Technology April 6-7, 2012, Moradabad. Sachin Kumar , Anil Kumar Sharma, Srikant Ghosh, Devendra Kumar Jain (2012).Pesticides use in agriculture and livestock animals with their impacts on environment in India.				
3.	XI Symposium on Vectors and Vector Borne Diseases, 15th -17th October 2011, Jabalpur. Shashi Shankar Tiwari, Sachin Kumar , Anil K. Sharma, D.D. Ray, A.K.S. Rawat, Shubha Rastogi & S. Ghosh. Ricinus communis: A potent herbal acaricide for tick infestations on bovine calves.				
4.	XI Symposium on Vectors and Vector Borne Diseases, 15th -17th October 2011, Jabalpur. Anil Kumar Sharma, Sachin Kumar , D.D. Ray & Srikanta Ghosh. Determination of LC ₅₀ and discriminating concentration of fipronil, fenvalerate and malathion for characterization of acaricide resistance in <i>Rhipicephalus (Boophilus) microplus</i> .				
5.	National conference on “ Environmental issues for socio ecological development (EISED-2015), 25-26th Feb. 2015 Department of Botany, Bareilly College, M.J.P Rohilkhand University, Bareilly, U.P. (Page No.-109). Sachin Kumar , Sumer Singh Rawat and Deepak Singh (2015). Chemical control of ectoparasites on animals and the resistance of these parasites to insecticides: A Review.				
6.	National conference on “Climate change, Environment and Economic Development” 7-8th Feb.2014, Department of Humanities, M.J.P Rohilkhand University, Bareilly,U.P., R.S Gaur and Sachin Kumar “Monitoring of acaricides resistance in cattle ticks collected from Trans Gangetic plain regions of India				
7.	National conference on “Advance in Bioscience and Health Education “ 11th march 2013, Department of zoology, Bareilly college, Bareilly,U.P. Sachin Kumar , Gaurav Nagar, Devendra Kumar jain (2013) “Risk factors of pesticides residues in milk and meat in India.”				
8.	National Seminar on Industrial Pollution Environment and Biodiversity (NSTPEB: 17-18 Feb. 2012, Hindu college Mordabad. Sachin Kumar , Sweta Gupta, Devendra Kumar Jain ”Intensive use of pesticides in agriculture and their impacts on animal production and human health				
9.	National conference on Environment problem and their Remedial Measures (EPRM-2012, on date 24-26 March C.C.S. University, Meerut). Sachin Kumar and Anil Kumar Sharma (2012). Risk assessment of health hazards in human due to excessive use of pesticide in India				
10.	National Seminar on Emerging Trends in Biotechnological Research (ETBR) October 28,				

	2012, Gaziabad (PAPER ID: 10/MI/AP/PUB/001/2). Sachin Kumar, Devendra Kumar Jain, Sumer Singh Rawat and Deepak Singh (2012). Survey of pesticides used in the control of agriculture pest and ectoparasites on animal in India.
11.	National Conference on Environment and Biodiversity of India, 30-31 Dec., 2011, Jamia Millia Islamia University, New Delhi. Sachin Kumar & Anil K. Sharma (2011): Pesticides uses in environment and their impacts: A Review.
12.	21st National Congress of Parasitology, 14-16, Nov. 2009, Chandigarh. Sachin Kumar et al., "Identification of herbal extract as acaricide against Rhipicephalus (Boophilus) microplus.(pp 181).
(j) Memberships of Academic/Professional Bodies	
1.	Indian Science Congress Association
2.	National Academy of Vector Borne Disease, Bhubaneswar (NAVBD) (Membership No. 221)
3.	Society of Toxicology, Lucknow (Membership No.932L)
4.	Life member of Environmental Mutagen Society
5.	Asia-Pacific Chemical, Biological & Environment Engineering Society (APCBEES) (Membership No.200389)
6.	Life member of Society Of United Life science Students (SOULS)
7.	Life member of International Society of Zoology, South Korea
8.	Member of Food and Agriculture Organization (FAO), Rome Italy, United Nations
(k) Participation in Community Service / Exchange Programme / Consulting Activity	
(l) International Academic Exposure: NA	
(m) Technical Manual Published:	
1.	Identification, rearing, <i>in vitro</i> assay for resistance monitoring and identification of mutation in sodium channel gene of ticks (2008). Entomology Laboratory, Division of Parasitology, IVRI, Izatnagar. Pp. 1-24.
2.	Tick rearing, <i>in vitro</i> testing of acaricides and characterization of acaricide resistant genes. (2008). Entomology Laboratory, Division of Parasitology, I.V.R.I., Izatnagar. Pp. 1-41
3.	Assessment of resistance in ticks to chemical acaricides and processing of plant based anti tick products (2013). Entomology Laboratory, Division of Parasitology, Indian Veterinary Research Institute, Izatnagar and Division of Pharmacognosy & Ethnopharmacology, National Botanical Research Institute, Lucknow. Pp. 1-90
4.	Study of herbal acaricides as means to overcome the development of Resistance in ticks to conventional acaricides (2014). Entomology Laboratory, Division of Parasitology, Indian Veterinary Research Institute, Izatnagar. ICAR-IVRI, Component-4, Pp-1-73.
(n) Any Other Details:	
Google Scholar (Citation)	2291
h-index	23
i10-index	34

Signature of Faculty Member