Uniform BIODATA format below as prescribed by SKUAST-Jammu

1.	Name:	Dr. Sl	nalini Sharma		
2.	Designat	Assoc	iate Professor		
ion	•				
3.	Contact	Divisi	Division of Vety. Physiology & Biochemistry, F.V.SC&AH, SKUAST-J		
Address:					
4.	E-Mail:	Shalir	Shalinisharma12_vet@yahoo.co.in		
5.	Mobile:				
6.	Professio	i.	Post- doctoral fellow: 2011-2014		
nal		ii.	Assistant Professor stage I: 2014-2018		
Experience:		iii.	Assistant Professor stage II: 2018-2023		
		iv.	Assistant Professor stage III: 2023-2024		

7. Awards/ Honours/ Scholarships	Sr. No.	Name of Award/ Honour	Conferred by (Name of Organization)
:	1	AAI undergraduate faculty travel grant to attend annual AAI meeting at Chicago, USA, 2024	American Association of Immunologists, USA
	2	First prize for oral presentation in one of the Sessions at XXXVth annual conference of the Indian association of veterinary microbiologists, immunologists and specialists in infectious diseases (IAVMI) "Novel Approaches in Animal Health for Realizing One Health Mission" April 7-8, 2023, Department of Veterinary Microbiology, DGCN College of Veterinary and Animal Sciences Chaudhary Sarwan Kumar Himachal Pradesh	Indian association of Veterinary microbiologists, immunologists and specialists in infectious diseases (IAVMI)
	3	Agricultural University, Palampur (HP) 2nd best poster award at XXVI Annual Convention of ISVIB (VIBCON) and the international conference on "Transforming Livestock Economy through Innovations in Immunology and Biotechnology" held from 4-5 th Feb, 2022	ISVIB (VIBCON)
	4	DST SERB-TARE fellowship	Department of Science and Technology, Govt of India
	5	Appreciation award from the journal "Molecular Immunology" (NAAS 10.21)	"Molecular Immunology" Jou
	6	EFIS (European federation of immunological societies) fellowship to attend 5th international conference on CMV and immunosenescence, Nov 20-21st, 2014 at Amsterdam, the Netherlands	European federation of Immunological society
	7	Keystone Symposia Future of Science Fund scholarship in tissue resident memory T cells meeting, Jan 12- Jan 16, 2014, at snowbird Utah, USA	Keystone Symposia, USA
	8	American Association of Immunologists (AAI) trainee member award for oral presentation at 100th AAI Annual Meeting (May 3-7)	American Association of Immunologists, USA

	IMMUNOLOGY2013 TM at Honolulu, Hawaii, USA	
9	Gamma Sigma Delta award of excellence for oral presentation: in CEM symposium 20-21st June 2011 at The University of Tennessee, Knoxville, TN, USA	Gamma Sigma Delta
10	American Association of Immunologists (AAI) trainee member award fororal presentation at 98th AAI Annual Meeting (May 13-17) – IMMUNOLOGY2011TM at San Francisco, California, USA.	American Association of Immunologists, USA
11	Post-doctoral fellowship	St Jude Children's Research Hospital, Memphis, TN, USA
12	American Association of Immunologists (AAI) trainee member award for oral presentation at 97th AAI Annual Meeting (May 7-11) - IMMUNOLOGY 2010TM at Baltimore, Maryland, USA.	American Association of Immunologists, USA
13	PhD fellowship	University of Tennessee, Knoxville, USA
14	Gold Medal, Rajasthan Agricultural University, India for first in MS program in Veterinary Biochemistry	Rajasthan Agricultural University,Bikaner
15	University merit scholarship for Masters program	Rajasthan Agricultural University, Bikaner
16	Certificate of Merit from Rajasthan Agricultural University for achieving overall IInd Position in University during graduation (BVSc& AH).	Rajasthan Agricultural University, Bikaner

8. Area of	Vety. Biochemistry
Specializatio	
n:	
9. Research	Immuno-biochemistry of infectious diseases.
Interest:	
10. Total	49
No. of	
Publication	
(Referred	
Journals):	
11. Selected	Sharma S, Sundararajan A, Suryawanshi A, Kumar N, Veiga-Parga T, Kuchroo
Publications	VK, Thomas PG, Sangster MY, and Rouse BT (2011). "T cell immunoglobulin and
(best five):	mucin protein-3 (Tim-3)/Galectin-9 interaction regulates influenza A virus specific
	humoral and CD8 T cell responses". Proc. Natl. Acad. Sci. USA, 108, 19001-
	19006.
	Sharma S, Mulik S, Kumar N, Suryawanshi A and Rouse BT (2011). "An Anti-
	inflammatory role of VEGFR2/src kinase inhibitor in HSV-1 induced

immunopathology". Journal of Virology, 85(12): 5995-6007.

Furman D*, Jojic V*, Sharma S*, Shen-Orr SS, L Angel CJ, Onengut-Gumuscu S,

Kidd BA, Maecker HT, Concannon P, Dekker CL, Thomas PG and Davis MM (2015). "Cytomegalovirus infection enhances the immune response to influenza". *Sci. Transl Med* 2015 Apr 1; 7(281):281ra43. doi: 10.1126/ scitranslmed.aaa2293. Research highlights in *Nature Reviews Immunology*, volume 15, May 2015. "Virus boosts protection". ***Equal contribution.**

Dash P, Fiore-Gartland AJ, Hertz T, Wang GC, **Sharma S**, Souquette A, Crawford JC, Clemens EB, Nguyen THO, Kedzierska K, La Gruta NL, Bradley P, Thomas PG (2017). Quantifiable predictive features define epitope-specific T cell receptor repertoires. *Nature*, 2017 Jul 6; 547(7661):89-93

Sharma S*, Gautam AK, Singh SV, Chaubey KK, Mehta R, Gupta S, Sharma M, Rose MK and. Jain VK (2021). "In vivo kinetics of peripheral cellular immune responses in *Mycobacterium avium* subspecies *paratuberculosis* (MAP) infected and vaccinated goats" *Comparative Immunology, Microbiology and Infectious Diseases.* 20 September 2021, 101710.**Corresponding author.*

12. Student	M.V.Sc.: 01; Ph.D.: NIL
advisory:	
13. Books/M	UG Manuals Authored: 03 No
anuals/	Book Chapters: 05 No
Monographs	Compendium/ Souvenir chapter: 20 No
:	Extension Publications: 10 No
14. Seminar/	International:13
Workshop/	National:15
Conference	
attended:	

15. Extensio 02 n trainings associated with:

16. Research projects as PI/Nodal Officer:	SN	Title of project	Duration of the project	Funding agency
	1	Title of project: "Identification of bio-markers for Early Diagnosis of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> (MAP) Infection and Development of Test to Differentiate between Johne's Disease Infected and Vaccinated Animals (DIVA).	2017- 2020 ССРІ	National Agricultural Science Fund (NASF), ICAR, New Delhi
	2	"Study on immune exhaustion and metabolic reprogramming by Mycobacterium avium subspecies paratuberculosis in bovines".	2022- 2025 Pl	National Agricultural Science Fund (NASF), ICAR, New Delhi

3	Prevalence and molecular characterization of	2022-	DST-SERB TARI
	Mycobacterium avium subspecies	2025	fellowship and
	Paratuberculosis (MAP) and evaluation of		
	potential role of Th1/Th17 axis in development	PI	
	of Johne's disease in diarrhoeic buffaloes		

17. Other	Professional membership:
Achievement s if any	1. American association of Immunologists (AAI)
(Please	2. American society for Virology (ASV): lifetime member
specify):	3. Veterinary council of India
	4. Society for immunology and immunopathology-lifetime member
	5. Indian society of veterinary immunology and biotechnology- lifetime
	Member

Invited/Lead lectures	No. of lectures delivered
Invited talk -"The two faces of heterologous immunity: Protection or immunopathology" at XXII Annual	l 01
Convention & National Symposium on Immunomics and Proteogenomics in livestock health & Productivity held at ICAR-NRCE from 17-19 December 2015	
5 th international conference on CMV and immunosenescence, Nov 20-21 st , 2014 held at Amsterdam, the	01
Netherlands. Title of talk: "mCMV alters the airway inflammatory milieu regulating protective and pathogenic heterologous immunity to influenza A virus infection".	
Delivered talk in the Clinical Conference on 23 June 2015 held at LUVAS, Hisar, Haryana.	01
Delivered Lecture on "Advances in avian immunology-prospects for disease diagnosis and control" in CAFT from Feb07-Feb 27, 2018 organized by the Dept Of Vety Microbiology LUVAS, Hisar	n 01
Delivered Lecture on "Flowcytometry based assays in livestock disease diagnostics" in centre for	01
advanced faculty training in" Microbial Genomics and Proteomics in Diagnosis and Control of Diseases	
of Veterinary Importance from <u>Nov. 7-27, 2017</u> organized by the Dept of Vety Microbiology LUVAS, Hisar	
Delivered a Talk in ICAR sponsored Summer School on "Diagnostic and therapeutic management of surgical disorders of ruminants" organized by the Department of Veterinary Surgery and Radiology, College of Veterinary Sciences, LUVAS, Hisar from 01st - 21st August, 2018. TITLE of talk "Antimicrobial therapy: Immunological considerations" on 6.8.2018 TITLE of talk "Immune response to cancer: Potential biomarkers for prognosis" on 7.8.2018	
Guest lecture delivered to GLA University 3/5/20 at 3 P.M. Through zoom. Title of Talk "Antimicrobial	1 01
Therapy, Immunological Considerations"	

Invited to present guest lecture at University of Tennessee, Knoxville, TN, USA on 09.02.2021	01
Lead lecture at Vth Annual Convention of Society of Veterinary Biochemists and Biotechnologists of India (SVBBI) and National Symposium on Current Challenges for Animal Biochemists and Biotechnologists for Improving Animal Health and Production in Post COVID Scenario on March 24-25, 2021 organized by College of Veterinary Science & Animal Husbandry, DUVASU, Mathura, Uttar Pradesh	
Lead paper (guest speaker) presentation at a conference on "National Symposium on public health challenge mitigation strategies at the confluence of one health approaches (organized by college of veterinary Science and Animal husbandry, U.P. Pandit Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan), Mathura. Jan 24 to Jan 25, 2020	
Four guest faculty lectures under NAHEP-IDP, DUVASU, Mathura for Remedial Class to Under-Graduate BVSc & AH	04
Guest lecture at the University of Tennessee, Knoxville, TN, USA on 08.02.2022	01
Lecture on "Importance of hemato-biochemical estimation and interpretation in bovine diseases" on 21.03.2022 at Veterinary surgeons training organized by LUVAS	01
One Practical demonstration on "Serological Diagnosis of Para tuberculosis" at 3-day training programme on "Approaches for Diagnosis of Zoonotic Bacterial Infections" from 03-05 March, 2022 for professionals from Medical and Veterinary departments at ICAR-National Research Centre on Equines, Hisar,	01
Lead lecture at 22nd Indian Veterinary congress and XXIX Annual conference of IAAVR & National symposium on Advancements in Veterinary Medical Research contributing to "one Health" for betterment of Animal and Public Health and their welfare" organized by CVAS Udaipur from April 08-09,2022	01
LECTURE in CAFT training; Antimicrobial therapy: Immunological considerations 35th ICAR-CAFT Course on 'Combating AMR in Livestock and Poultry: Recent Advances in Surveillance, Diagnostics and Therapeutics', Department of Veterinary Microbiology, LUVAS, Hisar,	01
Haryana (February 01-21, 2023). Page 59	
NAHEP lectures at GADVASU, 4-5 Dec 2023	02
Practical lecture and demonstration in CAFT Training at LUVAS, Hisar, 2024	01
NAHEP lecture at SKAUST-J on 17.11.23	01
Invited talk under thematic area "Chemistry to omics: Role of biochemistry in clinical diagnosis" in theVII Annual Convention of the Society and International symposium on "Multiomics to One Health: Challenges and Way Forward in Biomedical Research" from 14-15 December, 2023	01
Invited talk on h- index and i-10 index on 29.01.2024 at LUVAS, Hisar in a one day seminar organized by Directorate of Research in collaboration with Institutional Innovation Council (IIC), DHRM, LUVAS, Hisar	