

BIO-DATA



1. Name and full correspondence address: Dr. Vinod Kumar Dumka
Profesor-cum-Head
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Guru Angad Dev Veterinary and Animal
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Ludhiana-141004, India
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3. Institution: College of Veterinary Science,
Guru Angad Dev Veterinary and Animal Sciences University,
Ludhiana-141004, India
4. Date of Birth : **06.06.1966**
5. Gender (M/F/T) : **Male**
6. Category Gen/SC/ST/OBC : **General**
7. Whether differently abled (Yes/No) : **No**

8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1	B.V.Sc.& A.H.	1989	All subjects of BVSc & AH	G B Pant Univ., Pantnagar	86.8
2	M.V.Sc.	1993	Pharmacology	IVRI, Izatnagar	83.2
3	Ph.D.	2002	Pharmacology and Toxicology	PAU, Ludhiana	87.7

9. Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Title: Pharmacokinetics and dosage regimen of levofloxacin in cross bred cow calves
Guide's Name: Dr.A. K. Srivastava
Institute: PAU, Ludhiana
Year of Award: 2002

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Asstt. Prof.	PAU	23-07-1993	04-08-2002	8000-13500
2	Assoc. Prof.	GADVASU/PAU	05-08-2002	31-12-2008	12000-18300
3	Professor	GADVASU	01-01-2009	Till-date	37400-67000
4	Professor-cum-	GADVASU	01-04-2017		

	Head				
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11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S. no	Name of Award	Awarding Agency	Year
1	Best Poster Award	Society of Toxicology of India	2016
2	Best Poster Award	Indian Society of Veterinary Pharmacology & Toxicology	2016
3	Best Poster Award	Society of Veterinary and Animal Husbandry Extension	2015
4	Best Poster Award	Punjab Science Congress	2007
5	INSA Visiting Fellowship	Indian national Science Academy	2005
6	Best Poster Award	Indian Society of Veterinary Pharmacology & Toxicology	2002
7	Best Poster Award	Indian Association for Advancement of Veterinary Research	2001
8	Best Extempore Award	Indian Society of Veterinary Pharmacology & Toxicology	2000
9	Young Scientist Award	Indian Society of Veterinary Pharmacology & Toxicology	2000

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).
(Last Five Years)

S. No	Authors	Title	Name of Journal	Volume	Page	Year
1	Venkatachalam D, Dumka VK and Ranjan B	Pharmacokinetics of a single intramuscular injection of cefquinome in buffalo calves	<i>Journal of Veterinary Pharmacology and Therapeutics</i>	41(1)	155-158	2018
2	Rashmi Sagar, V K Dumka , Rajdeep Kaur and Saloni Singla	Evaluation of anti-inflammatory, antibacterial and acaricidal activities of various leaf extracts of <i>Pongamia pinnata</i>	<i>Journal of Pharmacognosy and Phytochemistry</i>	6(4)	1024 - 1027	2018
3	Ranjan A, Dumka VK and Ranjan R	Chronic flubendiamide exposure induces oxidative stress in water buffalo (<i>Bubalus bubalis</i>) calves	<i>Current Science</i>	114	1610 - 1612	2018
4	Harpreet Singh, V K Dumka and Rashmi Sagar. Varun Kumar	Evaluation of antipyretic, anti-inflammatory and analgesic activities of various leaf extracts of <i>Kigelia Africana</i>	<i>Journal of Pharmacognosy and Phytochemistry</i>	6(4)	1024 - 1027	2017
5	Sharma Meemansha, Vemu	Pharmacokinetics of	<i>International</i>	7(2):	555-	2017

	Bhaskar and Dumka VK	lincomycin following single intramuscular administration in goats	<i>Journal of Agricultural Science and Research</i>		560	
6	Amita Ranjan, V K Dumka , R Ranjan and C S Randhawa	Flubendiamide and lead exposure alters glial fibrillary acidic protein and aspartic acid concentrations in cerebrospinal fluid in buffalo calves	<i>Toxicology International</i>	23(1):	27-32	2016
7	Gill KK and Dumka VK	Antioxidant status in oral subchronic toxicity of fipronil and fluoride co-exposure in buffalo calves	<i>Toxicology and Industrial Health</i>	32(2):	251-259	2016
8	Singh NK, Jyoti, Vemu B, Prerna M, Singh H, Dumka VK and Sharma K	Acaricidal activity of leaf extracts of <i>Dalbergia sissoo</i> Roxb. (Fabaceae) against synthetic pyrethroid resistant <i>Rhipicephalus (Boophilus) microplus</i>	<i>Research in Veterinary Science</i>	106	1-6	2016
9	Lonare MK, Vemu B, Singh AK, Dumka VK , Singla S, Sharma SK	Cytotoxicity and oxidative stress alterations induced by aldrin in BALB/c 3T3 fibroblast cells	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci</i>	87(4):	1209 – 1216	2016
10	Singla S, Dumka VK , Sharma M, Lonare MK, Sharma SK	Safety assessment of lincomycin following repeated intramuscular administration in goats	<i>Toxicology International</i>	22 (3):	92-95	2016
11	<i>Meemansha Sharma and Vinod Kumar Dumka</i>	Pharmacokinetics of lincomycin following intravenous administration in febrile goats	<i>Indian Journal of Animal Research</i>	B-3284:	605-609	2016
12	Daundkar PS, Vemu B, Dumka VK , Sharma SK	Pharmacokinetic-pharmacodynamic integration of enrofloxacin and its metabolite ciprofloxacin in buffalo calves	<i>Veterinary Medicine and Science</i>	1(2)	63-71	2015
13	Dinakaran V and Dumka VK	Pharmacokinetic profile of cefquinome after oral subchronic flubendiamide exposure and <i>in vitro</i> plasma protein binding in buffalo calves	<i>Environmental Toxicology and Pharmacology</i>	39	321-326	2015
14	Singh NK, Jyoti, Vemu B, Singh H, Prerna M, Daundkar PS, Sharma K and Dumka VK	<i>In vitro</i> acaricidal activity of <i>Murraya koenigii</i> (L.) Spreng (Rutaceae) extracts	<i>Parasitology Research</i>	114	1531 – 1539	2015

		against synthetic pyrethroid resistant <i>Rhipicephalus (Boophilus) microplus</i>				
15	Rajput N, Dumka VK , Sandhu HS	Pharmacokinetics and urinary excretion of cefpirome following single intravenous administration in cross bred calves	<i>Philippine Journal of Veterinary Medicine</i>	52(1)	39-46	2015
16	Singh NK, Jyoti, Vemu B, Nandi A, Singh H, Kumar R and Dumka VK	Laboratory assessment of acaricidal activity of <i>Cymbopogon winterianus</i> , <i>Vitex negundo</i> and <i>Withania somnifera</i> extracts against deltamethrin resistant <i>Hyalomma anatolicum</i>	<i>Experimental and Applied Acarology</i>	63	423-430	2014
17	Ranjan A, Dumka VK and Singh ND	Effect of flubendiamide, lead and their combined exposure on erythrocytic indices in water buffalo calves	<i>Bulletin of Environmental Contamination & Toxicology</i>	92	410-414	2014
18	Singh NK, Jyoti, Vemu B, Nandi A, Singh H, Kumar R and Dumka VK	Acaricidal activity of <i>Cymbopogon winterianus</i> , <i>Vitex negundo</i> and <i>Withania somnifera</i> against synthetic pyrethroid resistant <i>Rhipicephalus (Boophilus) microplus</i>	<i>Parasitology Research</i>	113	341-350	2014
19	Sreeshitha SG, Dinakaran V and Dumka VK	Pharmacokinetics of lincomycin following single intravenous administration in buffalo calves.	<i>Tropical Animal Health and Production</i>	46:	1099 – 1102	2014
20	Dumka VK and Singh I	Pharmacokinetics and dosage regimen of florfenicol on co-administration with paracetamol in cross bred calves	<i>Veterinarski Arhiv</i>	84 (3)	229-239	2014
21	Kumar S, Srivastava AK, Dumka VK and Kumar N	Intramuscular pharmacokinetics and milk levels of ceftriaxone in endometritic cows	<i>Israel Journal of Veterinary Medicine</i>	69 (3):	130-135	2014
22	Data Ram and Dumka VK	Plasma disposition and urinary excretion of levofloxacin following a single intravenous administration in buffalo calves	<i>Buffalo Bulletin</i>	33 (2):	177-183	2014

23	Vemu B and Dumka VK	Hematological alterations on sub-acute exposure to flubendiamide in Sprague Dawley rats	<i>Toxicology International</i>	21(3):	288-293	2014
24	Ranjan B, Dumka VK and Ola AK , Rampal S and Kaur K	Subacute toxicity of acetamiprid in buffalo calves	<i>Indian Veterinary Journal</i>	90 (1):	79-80	2013
25	Ola AK, Sandhu HS, Ranjan B and Dumka VK	Fipronil-induced biochemical alterations during oral subacute toxicity in buffalo calves	<i>Proceedings of the National Academy of Sciences(B)</i>	83(4):	539–544	2013
26	Dinakaran V, Dumka VK , Ranjan B, Balaje RM, Sidhu PK	Pharmacokinetics following intravenous administration and pharmacodynamics of cefquinome in buffalo calves	<i>Tropical Animal Health and Production</i>	45	1509 - 1512	2013
27	Dumka VK , Dinakaran V, Ranjan B, Rampal S	Comparative pharmacokinetics of cefquinome following intravenous and intramuscular administration in goats.	<i>Small Ruminant Research</i>	113	273-277	2013
28	Ola AK, Sandhu HS, Dumka VK and Ranjan B	Pharmacokinetics, urinary excretion and plasma protein binding of ofloxacin in buffalo calves	<i>Journal of the South African Veterinary Association</i>	84(1),	Art. # 130, 5 pages	2013
29	Dumka VK and Singh I	Influence of fever on the disposition of florfenicol in cross-bred calves	<i>Philippine Journal of Veterinary Medicine</i>	50(1):	16-23	2013
30	Dumka VK and Srivastava AK	Levofloxacin disposition and urinary excretion in febrile cross bred calves	<i>Veterinarski Arhiv</i>	83 (4):	371-380	2013
31	Gill KK and Dumka VK	Haematological alterations induced by subchronic oral exposure of buffalo calves to fipronil and fluoride	<i>Fluoride</i>	46 (1):	63-70	2013
32	Randhawa SS, Randhawa CS, Saini N, Dumka VK , Dua K and Bagga A	Therapeutic management of poisoning caused by canary grass (phalaris minor) in a Murrah buffalo	<i>Veterinary Practitioner</i>	14 (2):	320	2013
33	Gill KK and Dumka VK	Biochemical alterations induced by oral subchronic exposure to fipronil, fluoride and their combination in buffalo calves	<i>Environmental Toxicology and Pharmacology</i>	36 (3):	1113 - 1119	2013

34	Ranjan B, Dumka VK , Ola AK and Rampal S	Effect of oral subacute exposure of acetamiprid on some biochemical parameters in buffalo calves	<i>Proceedings of the National Academy of Sciences (B)</i> .	83 (1):	59-63	2013
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13. Detail of patents. : -

14. Books/Reports/Chapters/General articles etc. :

Books

- i. Srivastava AK, Verma PK and **Dumka VK**. (2013) *Veterinary Toxicology*. Satish Serial Publishers, New Delhi.

Chapters in books

- i. Srivastava AK and **Dumka VK** (2000) Organophosphorous Insecticides. In: *Veterinary Toxicology*. Garg SK (ed) pp 158-171. CBS Publ. New Delhi.
- ii. Srivastava AK and **Dumka VK** (2000) Carbamate Insecticides. In: *Veterinary Toxicology*. Garg SK (ed) pp 172-175. CBS Publ. New Delhi.
- iii. Srivastava AK and **Dumka VK** (2001) Hazards of pesticides in the environment. In: *Current Topics in Environmental Studies*. Tripathi G and Pandey GC (eds) pp 188-231. ABD Publ. Jaipur.
- iv. Srivastava AK and **Dumka VK** (2001) Environmental pollution due to heavy metals and their control strategies. In: *Current Topics in Environmental Studies*. Tripathi G and Pandey GC (eds) pp 232-257. ABD Publ. Jaipur.

15. Any other Information (maximum 500 words):

Positions held in Scientific societies

- i. Assistant Editor Journal of veterinary Pharmacology and Toxicology: 2000-2005
- ii. Executive Committee member of Indian Society of Veterinary Pharmacology and Toxicology (ISVPT)
- iii. President's Nominee Society of Toxicology (STOX), India
- iv. Executive Committee member of Society of Toxicology (STOX), India
- v. Managing Editor Toxicology International 2015
- vi. Editor –in-Chief, Toxicology International 2016-Till Date
- vii. Joint Secretary, Society of Toxicology (STOX), India 2016-2018

5. List of Projects submitted/implemented by the Investigators

(All the Investigators should list out details of the Projects submitted, implementing and completed by them. The list should start with the Projects implemented by the Principal Investigator, followed by Co-PII, Co-PI 2 etc.)

5.1 Details of Projects submitted to various funding agencies:

S.	Title	Cost in	Month of	Role as	Agency	Status
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No		Lakh	submission	PI/Co-PI		
1	Development of Nursery for cultivation of five selected medicinal plants at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab	3	June 2018	Co-PI	National medicinal Plant Board	Submitted
2	Screening of <i>Citrullus colocynthis</i> and <i>Pongamia pinnata</i> for medicinal potential	50	June 2017	PI	CCRAS	Presention made before SAG, CCRAS

5.2 Details of Projects under implementation

S. No.	Title	Cost in Lakh	Duration	Role as PI/Co-PI	Agency
1	RKVY-11 C-2 Characterization and molecular mechanisms of antimicrobial resistance in selected bacteria from different animal species	15	Not defined	PI	Central Govt (RKVY)
2	Misc-73 -Development of Medicinal Plant Garden for Veterinary Ayurveda Research at GADVASU, Ludhiana	40	3 years	Co-PI	CCRAS Ministry of AYUSH

5.3 Details of Projects completed during the last 5 years.

S. No	Title	Cost in Lakh	Duration	Role as PI/Co-PI	Agency
1	Influence of Exposure to New Generation Insecticides on the Disposition of Antimicrobial Agents	10.37	4 years	PI	UGC
2	Pharmacokinetics-pharmacodynamics integration and toxicological studies of fluoroquinolones and cephalosporins in buffalo species	25	3 years	Co-PI	CSIR
3	Evaluation of therapeutic potential of some indigenous plants of Punjab	20	3 years	PI	Central Govt. (RKVY)
4	Pesticide-induced adverse effects: implication on livestock production.	9	1 year	Co-PI	Punjab Govt.
5	Evaluation of antibacterial	23	2 years	Co-PI	Central Govt.

	efficacy of commonly used antibacterials				(RKVY)
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