

BIODATA

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2. Designation:	Professor
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6. Professional Experience:	i. Professor since 5 th September, 2020

Projects as PI/CO-PI

PI: DBT funded ongoing project	1. Socio-economic upliftment of poor farmers through Animal Husbandry using scientific interventions in Jammu province
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CO-PI: ICMR funded ongoing project	1. Functional & genetic modulation of glutamate cysteine ligase by flavonoid in drug induced renal damage using in vivo and in vitro model.
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CO-PI: DBT funded ongoing project	2. Exploring the Himalayan plants with immunomodulant and galactagogue properties in connection to animal health to optimize cattle productivity.
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Mentorship: DST funded ongoing project	3. Improving the livelihood of farmers through the uses of bio-pesticide in crop protection in Jammu region of Jammu and Kashmir
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Co-PI in Univ Funded Project	1. Pharmacokinetics of antibacterial in small ruminants. 2. Toxicological studies of pesticides in rats 3. To study the toxic plants of Jammu region.
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PI: DST funded completed project	1. Estimation And Evaluation Of Antimicrobial Residues In Foods Of Animal Origin In Jammu Region And Their Impact On Human Health
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CO-PI in DST funded project	1. Exploring The Antioxidant Potential Of Locally Available Herbs, Nuts And Fruits In Preparation Of Value Added Livestock Products And Their Validation On Animal Model.
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Practical Manuals for the courses:

1. General and CNS Pharmacology VPT 311
2. Autonomic and Systemic Pharmacology VPT 321
3. Chemotherapy VPT-411
4. Toxicology VPT-421
5. VPT-311: Gen. & Systemic Vety. Pharmacology
6. VPT-321: Veterinary Neuro-pharmacology

Book Authored	Practical Book of Veterinary Pharmacology and Toxicology , Jaya Publishing House, Delhi
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Book chapters	a. Four chapters (Vitamins, Antiseptic and Disinfectants, Antiviral and Anti-cancerous Drugs and Gene Therapy) in the Veterinary Pharmacology and Toxicology 6 th revised & enlarged edition (2015) edited by Prof. B. K. ROY (Kalyani publications, New Delhi) ISBN 978-81-272-6766-7. b. One chapter on “Heavy Metals and Associated Health Problems” in Book Environmental Hygiene and Safety” pages 173-184. Edited by Dr. Md. Rashid (2014) Narendra Publishing House, Delhi, India.
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	<ul style="list-style-type: none"> c. Ten chapters in book “Essentials of Veterinary Toxicology” edited by Kumar, N., published by Daya Publishing House®, A Div. of Astral International Pvt ltd. New Delhi (ISBN no. 978-93-88173-50-6) pp-161-162. d. One chapter in book “Application of Advanced Diagnostic and Therapeutic Tools for Animal Health Management” editors Rajiv Singh, Rajesh Aggarwal, S R Upadhyay and MMS Zama (ISBN no. 978-93-5281-156-4) pp-79-85. e. One chapter in book “Pharmacology of Medicinal Plants” Ed. By B.K.Roy and Yadav H.N. Kalyani Publishers (ISBN no. 978-93-272-8446-1) pp 59-66.
Chapters in Training manual	1. Eight chapters in training manual “Common Toxicities and their management in livestock – Recent Update” (27 th - 28 th Sept. 2017), Organized by Directorate of Extension, SKUAST-Jammu. Page 94-107.
Pamphlets	<ul style="list-style-type: none"> 1. Ten pamphlets for display and distribution to the farmers for their awareness about local toxic plants. 2. One pamphlet for display of preparation of biopesticide using cow urine and neem leaves for demonstration to the farmers. 3. One pamphlet for display of the cycle of antibiotics getting in to our plates via foods of animal origin and precaution required thereof.
Students guided: Five	<ul style="list-style-type: none"> a. Evaluation of toxicity manifestations on vital organs following repeated exposure of indoxacarb alone and in combination with cadmium: Aabid Hussain Thoker, Regd. No. J-15-MV-432 b. Evaluation of <i>Randia spinosa</i> barks extract for its antidiabetic potential in Wistar rats: Gurpreet Singh, Regd. No. J-15-MV-434 c. Experimental studies on hydroalcoholic extract of <i>Cordia dichotoma</i> leaves for its antimicrobial and antidiarrhoeal activities: Rahul Dev, J-16-MV-456 d. Toxic-biochemical alterations and oxidative stress induced by Butachlor and Lead in wistar rats and their amelioration by Napthoquinone: Sheikh Uzma, J-16-MV-455. e. Estimation and quantification of antimicrobial residue in poultry meat available in and around Jammu region by Lenasha Manhas, J-19-MV-597
7. Awards/ Honours/ Scholarships:	<ul style="list-style-type: none"> 1. Outstanding Thesis Award for PhD thesis @ International Conference on advances in Agricultural and applied Sciences for food security on 13th-15th May, 2017, Kathmandu, Nepal vide F.N. MSL 118/2107 2. Best Oral Presentation Award for presentation of research work @ International Conference on advances in Agricultural and applied Sciences for food security on 13th-15th May, 2017, Kathmandu, Nepal vide F.N. MSL 118/2107 3. 1st (in Inter-Univ. Essay Contest) organised by JNKVV, Jabalpur in 1999
8. Area of Specialization:	Veterinary Pharmacology and Toxicology
9. Research Interest:	Residue study, Bio-prospection of medicinal plants
10. Total No. of Publication (Referred Journals):	45
11. Selected Publications (best five):	1. Mahajan, L., Verma, P.K., Raina, R., Pankaj, N.K. , Sood, S. and Singh, M. (2018). Alteration in thiols homeostasis, protein and lipid peroxidation

in renal tissue following subacute oral exposure of imidacloprid and arsenic in Wistar rats. *Toxicology Reports* Vol 5:1114-19.

2. Tanwar, T., Kumar, A. and **Pankaj, N. K.** (2017). Effect of Bacopa monnieri extracts on storage quality of chicken nuggets at refrigeration temperature ($4\pm 1^\circ\text{C}$). *Nutrition & Food Science*, 47(1) 78-88.
3. **Pankaj, N.K.**, Singh, S.P., Batra, M., Gupta, M., Sultana, M. Prawez, S. and Kumar, S. (2015). Effect of Erythrina variegata and Spondia s pinnata bark powder on cadmium induced pathological changes in rats. *Indian J. Vet. Pathol.*39(4) 339-342.
4. Dar, M. A, Raina, R., Mir, A. H., Sultana, M., **Pankaj, N. K.** (2015). Effect of Dermal Application of Bifenthrin on Acetylcholinesterase and Oxidative Stress Indices in Rat Blood, Lung and Kidney. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.*85(2)431-35.
5. Raina R, Verma PK, **Pankaj NK**, Vinay Kant, Prawez S (2010). Protective role of L-ascorbic acid against cypermethrin induced oxidative stress and lipid peroxidation in wistar rats. *Toxicological and Environmental Chemistry*. 92 (5) 947-953

12. Seminar/ Workshop/ Conference attended:	10
13. Extension trainings associated with:	Two
14. Others	Invited Lecture: 8