

## Resume

### Dr. RAJINDER RAINA

**Dean,** MJF College of Veterinary & Animal Sciences, Chomu, Jaipur (April 2024- continuing)

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**FATHER'S NAME:** SH. P.N Raina

**DATE OF BIRTH** : 12<sup>th</sup> April 1958

#### Past Career Affiliations

- ❖ **Emeritus Professor, ICAR** Faculty of Veterinary Sciences and Animal Husbandry Division of Pharmacology & Toxicology, Sher- e-Kashmir University of Agricultural Sciences & Technology of Jammu, R.S Pura Jammu (180011). **(22<sup>nd</sup> March 2022 to 31<sup>st</sup> March 2024)**
- ❖ **Dean** Faculty of Veterinary Sciences and Animal Husbandry **cum Professor and Head** Division of Pharmacology & Toxicology, Sher- e-Kashmir University of Agricultural Sciences & Technology of Jammu, R.S Pura Jammu (180011).

#### Educational Qualification (In chronological order from latest to Graduation level):-

<i>Degree</i>	<i>University</i>	<i>Year</i>	<i>Major Discipline</i>	<i>OGPA Achieved</i>	<i>Distinctions</i>
<b>Ph.D</b>	CCS H.A.U Hisar,	1993	Pharmacology & Toxicology	3.77/4.00	Distinction
<b>M.V.Sc</b>	P.A.U, Ludhiana,	1984	Pharmacology & Toxicology	3.85/4.00	Merit certificate
<b>B.V.Sc &amp;A.H</b>	O.U.AT Bhubaneswar	1981	Veterinary & Animal Husbandry subjects	2.99/4.00	

<b>Awards</b>	<ul style="list-style-type: none"> <li>➤ Awarded Certificate of Merit in 1984 by P.A.U Ludhiana</li> <li>➤ Awarded Senior Research Fellowship by ICAR (Feb. 1990 to Sep.1993).</li> <li>➤ Awarded Certificate of Merit in 1993 by CCS H.A.U Hisar.</li> </ul>
<b>Total Experience</b>	39 years of multifaceted experience in a professional State University. (Teaching, Research, Extension and Administration)
<b>Administrative experience</b>	<ul style="list-style-type: none"> <li>❖ <b>Dean</b>, MJF College of Veterinary &amp; Animal Sciences, Chomu, Jaipur (<b>April 2024-Continuing</b>)</li> <li>❖ <b>Dean</b>, Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>Sept.2019–April 2020</b>)</li> <li>❖ <b>Prof. &amp; Head</b>, Division of Pharmacology and Toxicology, Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>Feb. 2018 – April 2020</b>)</li> <li>❖ <b>Prof. &amp; Head</b>, Division of Veterinary and Animal Husbandry Extension Education, Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>April 2016- Feb.2018</b>)</li> <li>❖ <b>Prof. &amp; Head</b>, Division of Veterinary Pharmacology and Toxicology, Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>July. 2006 –Nov. 2009</b>)</li> <li>❖ <b>Assoc. Prof. &amp; Head</b>, Division of Veterinary Pharmacology and Toxicology (VPT), Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>March. 2001 –July 2006</b>)</li> <li>❖ <b>Head</b> Divisions of Livestock Production &amp; Management from Oct 2002 to March 2005 Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu (<b>March 2002 to April 2005</b>)</li> <li>❖ <b>Head</b> Divisions of Veterinary Physiology (VPY) from Dec. 2002 to March 2005 Faculty of Veterinary Sciences and Animal Husbandry, SKUAST-J, R.S. Pura, Jammu. (<b>March 2002 to April 2005</b>)</li> </ul>
<b>Teaching &amp; Research Experience in capacity of</b>	<ul style="list-style-type: none"> <li>❖ <b>Asstt. Prof. :-</b> 13 years (March 1985 – Feb. 1998)</li> <li>❖ <b>Assoc. Prof. :-</b> 8 years (March 1998 – July 2006)</li> <li>❖ <b>Professor :-</b> 14 years (July 2006 – April 2020)</li> <li>❖ <b>Emeritus Prof.:-</b> 02 years (22<sup>nd</sup> March 2022 – 31<sup>st</sup> March 2023)</li> </ul>

<b>Students guided as major advisor</b>	✓ M.V.Sc. :14 ✓ Ph.D. 03			
<b>Involvement with Formulation of Academic Programs</b>	S.No	<b>Nomenclature of Innovative Academic Programmes formulated</b>	<b>Date of approval by Academic Council</b>	<b>Year of start of the Programme</b>
	1	M.V.Sc. (Pharmacology & Toxicology)	27/05/2005 (4 <sup>th</sup> Academic council)	Aug. 2006
	2	PhD (Pharmacology & Toxicology)	02/09/2006 (6 <sup>th</sup> Academic council)	Aug. 2007
<b>Recognitions</b>	<ul style="list-style-type: none"> <li>➤ Selected as Emerites Prof. by ICAR in March 2022.</li> <li>➤ Life-time achievement award in 2017 for Professional Attainment and Contribution by Indian Society of Veterinary Pharmacology &amp; Toxicology.</li> <li>➤ Member Board of Management of the University in 2020.</li> <li>➤ Member of Academic Council of the University from 2003 to 2020.</li> <li>➤ Member of University Research Council from 2003 to 2020.</li> <li>➤ Member of University Extension Council from 2003 to 2020.</li> <li>➤ Member of statutory bodies of Post Graduate faculty of the University viz Board of Studies and Faculty of Veterinary Sciences since 2002.</li> <li>➤ Member of statutory bodies of the faculty-Board of Studies and Faculty of Veterinary Sciences since 2002.</li> <li>➤ Member Secretary, Board of Studies (UG) Faculty of Veterinary Sciences and Animal Husbandry from 2003 to 2009.</li> <li>➤ Chairman, Institutional Animal Ethics Committee, (IAEC) Faculty of Veterinary Sciences &amp; Animal Husbandry from 2004 to 2008.</li> <li>➤ Vice President, Indian Society of Veterinary Pharmacology and Toxicology (ISVPT) form 2007-2009.</li> <li>➤ Associated with U.P.S.C, New Delhi for Civil Services Examination in various capacities (Moderator, Paper setter &amp; Examiner) in Medical Pharmacology since 2013.</li> <li>➤ Member of selection Committees of Various Universities in the Country for selection of Teaching Faculty.</li> <li>➤ Member for Evaluation and Selection Committees of Scientific and Technical Staff of IIIM (CSIR) Jammu.</li> <li>➤ Research Evaluation and Examination of PhD Students in Pharmacology and Toxicology of various universities and IIIM (CSIR) Jammu.</li> <li>➤ Paper setter &amp; Examiner of Post Graduate students in Pharmacology of various universities.</li> <li>➤ Paper setter/ Moderator for ARS examination in Pharmacology conducted by Agriculture Scientist Recruitment Board (ASRB) New Delhi.</li> </ul>			

<b>Editorial Boards</b>	<ul style="list-style-type: none"> <li>➤ Member Editorial Board, Journal of Toxicology International (2010-2011).</li> <li>➤ Member Editorial Board of Souvenir &amp; Compendium of 2<sup>nd</sup> National Conference of Society for Veterinary &amp; Animal Husbandry Extension (SVAHE) on “Technological Interventions for Livestock Development” held at SKUAST-Jammu (Apr. 10-12, 2017).</li> <li>➤ Associate Editor, EC Journal of Pharmacology &amp; Toxicology (2018 – 2020).</li> <li>➤ Member Editorial Board, Indian Society of Veterinary Pharmacology and Toxicology (2008- 2010).</li> </ul>
<b>Association with International conference organized</b>	<ul style="list-style-type: none"> <li>➤ Convener: Press and Media committee in International Congress on “<i>Advances in Zoo and Wild Animals Health and Management</i>” and symposium on “<i>Impact of Disease on Conservation of Wild Animals</i>” April 26-27, 2007 at R.S. Pura, Jammu.</li> </ul>
<b>Association with National conferences/workshop/short courses organized</b>	<ul style="list-style-type: none"> <li>➤ <b>Joint organizing secretary</b> of 2<sup>nd</sup> National Conference of Society for Veterinary &amp; Animal Husbandry Extension (SVAHE) on “Technological Interventions for Livestock Development” held at SKUAST-Jammu.( Apr. 10-12, 2017)</li> <li>➤ <b>Co-Organizing Secretary</b>, 13<sup>th</sup> Annual conference of Indian Society of Veterinary Pharmacology and Toxicology and National Symposium on “<i>Biopharmaceuticals and Nano Technology in Therapeutics &amp; Development of Anti-Cancer drugs from Botanicals</i>” held at Division of Veterinary Pharmacology and Toxicology, Faculty of Veterinary Sciences and Animal Husbandry, SKUAST (J&amp;K), R.S. Pura, Jammu. (20-22<sup>nd</sup> Nov, 2013).</li> <li>➤ <b>Course Coordinator</b>, ICAR Training Course on “<i>Advances in Clinical Pharmacokinetics and Drug Delivery System in Veterinary Practice</i>”, Organized by Division of Pharmacology and Toxicology, SKUAST-J, Jammu. (Nov. 7-16, 2006)</li> <li>➤ <b>Chairman</b>, Workshop and Training program on “ <i>Utilization Of Non-Timber Bioresources Of North West Himalayas For Optimizing Livestock Health And Production</i>” Sponsored by National Mission Of Himalayan Studies (NMHS), New Delhi at F.V.Sc&amp; A.H. R.S.Pura (Feb 2020).</li> </ul>

<p><b>Major Research Areas pursued/guided and their outcomes</b></p>	<ul style="list-style-type: none"> <li>❖ <b><u>Evaluation of anti- cancer activities of medicinal plants.</u></b>  Extracts of <i>Azadirachta indica</i> leaves, <i>Asparagus racemosus</i> roots and <i>Ipomoea nil</i> aerial parts were found to posses promising cytotoxic activity against a panel of twelve cancer cell lines. The promising extracts and their sub-fractions were further studied for their <i>in-vivo</i> anticancer activity against seven models of murine tumors and <i>Ipomoea nil</i> had high cancer remission effect in rodent cancer models.</li>   <li>❖ <b><u>Evaluation of Anti- diabetic activities of medicinal plants.</u></b>  Various medicinal plants (<i>Sida cardifolia</i>, <i>Calendula officinalis</i>, <i>Alstonia scholaris</i>, <i>Bergenia ciliata</i>, <i>Ipomoea nil</i>, <i>Cyanara scolymus</i>) were evaluated for anti- diabetic activity and were found to overcome hyperlipidemic and hyperglycemic effect in diabetic rats due to their regenerating potential of <math>\beta</math>-cells of islets of Langerhans in pancreas.</li>   <li>❖ <b><u>Evaluation of Hepato protective activity of plants</u></b>  Antioxidants like quercetin, catechin, curcumin, Vitamin E and Vitamin C were found to protect liver from oxidative damage induced by drugs and environmental pollutants.</li>   <li>❖ <b><u>Evaluation of Nephro-protective activity of plants</u></b>  Plant extracts (<i>Sida cardifolia</i>, <i>Calendula officinalis</i>, <i>Alstonia scholaris</i>, <i>Cyanara scolymus</i>) rich in polyphenolic compounds were found to have high potential in protecting the kidneys form drug induced renal damage in lab animals.</li>   <li>❖ <b><u>Toxic interaction of metals with pesticides</u></b>  Biochemical and oxidative perturbations induced by pesticides along with environmental pollutants were elucidated and suitable ameliorative agents were evaluated for attenuating the severity of such toxicities in laboratory animals.</li>   <li>❖ <b><u>Wound healing potential of plant extracts</u></b>  Ointments containing quercetin &amp; rhizome extract of <i>Bergenia ciliata</i> had high wound healing potential in incision wound model in rats.</li>   <li>❖ <b><u>Disposition kinetics of antimicrobial agents in small ruminants</u></b>  Dosage regimens of different antimicrobial agents (ciprofloxacin, ceftriaxone, Cefepime, amikacin, tobramycin) were reworked out after studying their disposition kinetics in healthy and diseased small ruminants.</li> </ul>
<p><b>Publications</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Research papers: 160</b></li> <li>❖ <b>Invited lead papers: 40</b></li> <li>❖ <b>Reviews 11</b></li> <li>❖ <b>Pamphlets 08</b></li> </ul>

	<div>❖ Manuals06</div> <div>❖ Book Chapters08</div> <div>❖ Books06</div>
Citations	<div>❖ Citations : 2485</div> <div>❖ h- index: 26</div> <div>❖ i10- index: 56</div>