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CARRER OBJECTIVE

Looking for a full-time position in Teaching/Research in Academics, where I can demonstrate my teaching and experimental skills and contribute to the development and better understanding of science for the benefit.

EXPERIENCE

- Working as **Research Associate** in Drug Discovery and Research Centre (DDRC) in Translational Health Science and Technology Institute (THSTI), Faridabad, India **Since, March 2019.**
- Worked as **Scientific Assistant-A** in Department of Pharmacology & Toxicology in B.V.Patel PERD Centre, Ahmadabad, India **Since, April 2017 to March 2019.**
- Worked as **SRF (Senior Research Fellow)** in Central Inter-Disciplinary Research Facility, Puducherry in a DBT project entitled, “**Small animal research facility for preclinical studies and services (CARETS)**” **Since November 2016 to April 2017.**
- Worked as **SRF (Senior Research Fellow)** in the **Department** of Pharmacology & Toxicology (Veterinary College, Mathura) in an ICAR project entitled, “**Pharmacological studies and Development of a Polyherbal formulation for reproductive disorders in a nimals.**” **Since February 2016 to Oct 2016.**
- Worked as **SRF (Senior Research Fellow)** in the **department** of Pharmacology & Toxicology (Veterinary College, Mathura) in an ICAR project entitled “**Toxicodynamic studies on the impact of environmental pollutants on bovine reproduction with particular reference to regulatory pathways**” **Since Sept 2014 to January 2016.**

EDUCATION

- Passed postgraduate (M.Pharm) Master in Pharmacology from with **68%** through **Rajasthan University of Health Science**, Jaipur, India in year 2014.
- Passed undergraduate (B.Pharm) Bachelor in Pharmacy from with **61%** through **Rajasthan Universi ty of Health Science (RUHS)**, Jaipur, India in year 2011.

- Passed senior secondary education, class 12th from Master Adityandra Govt. Sen. Sec. School, Bharatpur, India with **60.31%** through **Rajasthan Board, Ajmer** in year 2006.
- Passed secondary education, class 10th from Kendriya Vidyalaya, Bharatpur with **50%** through **CBSE Board** in year 2004.

EXPERIMENTAL SKILLS

Skills and Experience-

Pharmacology-

In-Vivo Studies-

- Administration of drugs by oral, Intravenous, Subcutaneous and Intra-peritoneal in rodents.
- Collection and analysis of blood through retro-orbital plexus, tail vein and cardiac puncture, hematology and clinical chemistry analyser.

Pharmacological evaluation of chemicals, herbal extracts/formulations in animal models-

- Asthma, Cataract, Diabetes, Implantation in mice, Inflammation, wound healing, Hepato-protective, Pain relief, NSAID induced gastroenteropathy and Benign Prostatic Hyperplasia (BPH).

Toxicology-

- Familiar with regulatory toxicology guidelines, requirements and standards (GLP, OECD, ICH S7A, ICH S7B, 21CFR) and able to develop nonclinical strategies that support clinical development.
- Write toxicological assessment and biological evaluation reports
- Review and evaluate toxicological data from laboratory studies
- Write technical reports and summaries of toxicological reviews
- Prepare planning, strategy, summary documents, etc. for use in communicating with Sponsors. Act as Study Monitor of CRO for short term (acute toxicity study), long term (sub-chronic and chronic) and complex toxicology studies (Toxicodynamics in repro, mechanism of toxicity) including protocol design, test material oversight and critical evaluation of data.

Natural Products Isolation, Analysis and their formulation-

- Preparation of crude extracts of various medicinal plants and solvent fractionation.
- Preliminary screening of crude extracts for their different chemical components. Thin Layer Chromatography of plant extracts.
- Development of Poly-herbal formulations.
- Antimicrobial testing of different crude plant extracts, MIC calculation.
- Column chromatography of plant extract.
- TLC and GC-MS analysis.

Smooth Muscle Physiology/Pharmacology -

- Experienced on Pharmacodynamics studies on uterine smooth muscle (Vascular, Non-Vascular) to characterize various receptors by data acquisition based poly-physiograph to determine downstream signalling pathways. Device used, Powerlab, Isometric Force Transducer (AD Instrument, Australia)

Software – Lab chart ProV5.41

Software of DRC Data- Graph Pad Prism 4.03

Cellular & Molecular Biology Technique-

- Experienced on HepG2 cell line based assay, Flow Cytometry, ELISA, Protein Separation, Immunohistochemistry, RNA Isolation, c-DNA extraction, SDS- PAGE, Western Blot, Thermocycler for PCR, Gel Electrophoresis, Gel Documentation Unit, Spectrophotometer, FT-NIR (Fourier Transforms Near Infrared Reflector Analyzer), Autoclave Inverted Microscope.

PRESENTATIONS: NATIONAL/INTERNATIONAL CONFERENCE

- MiP Scholarship** for attending training school with poster presentation organised by MiP Mitochondrial Physiological Society collaboration with Medical University of Innsbruck & Medical university of Zentrum on 23.07.2017 to 27.07.2017 at Obergurgl, Austria, Europe
- Nair S.V., **Sharma V.**, Sharma A., Nakade U.P., Sharma P., Bhatiya S., Choudhury Soumen and Garg S.K. Pharmacological and molecular evidence of hydrogen sulphide mediated uterine tone in water buffaloes (*Bubalus bubalis*) got **DR.R.NATRAJAN AWARD for the best oral presentation in XVI Annual Conference** of “Indian Society of Veterinary Pharmacology and Toxicology, Nasari Gujrat 2016.
- Sharma V**, Choudhury S, Nair SV, Jaitley P, Nakade UP, Sharma A, Yadav RK and Garg SK. Role of ATP-sensitive potassium (K_{ATP}) and maxi potassium (BK_{Ca}) channels in beta3- adrenoceptors mediated tocolytic effect in buffaloes (*Bubalus bubalis*) Poster presentation have been done in (2015) 48th annual conference of Indian Pharmacological Society, Rajkot, Gujrat.
- Sharma V**, Paul K. S, Parashari. D Anti-diabetic Activity of DLX4 in STZ induced Diabetic Rats Poster presented in (2015) 3rd Nirma Institute of Pharmacy International Conference NIPiCON – 2016 Nirma University, Ahemdabad, Gujrat.
- Sharma V**, P. Nakade Uday, Sharma Abhishek, Nair.V Sooraj, Choudhary. S, Yadav. R.K, Garg. K Satish. Functional characterization of Adrenergic and muscuranic receptors in non-pregnant water buffaloes (*Bubalus Bubalis*) poster presentation have been **AWARDED** in 15th Annual conferences of ISVPT held at National Dairy Research Institute, Karnal , Harayana. (ISVPT- 2015).
- Koli S, Nair.V Sooraj, **Sharma V**, Rajeev Ranjan¹ Atul Prakash¹, Soumen Choudhury¹, Rajesh Mandil and Satish K. Garg. Mechanistic pathways of Mercury-Induced myometrial contractions in rats with particular reference to calcium signalling abstract submitted in 13th Annual conferences of ISVPT held at National Dairy Research Institute, Karnal , Harayana. (ISVPT- 2015).

TEACHING/TECHNICAL ASSISTANCE-

- Provided Teaching Assistance in ICAR NICHE AREA of Excellence Programme workshop Hands on Training on ,” **Use of Data Acquisition System Based Physiograph in Pharmacodynamic Studies,**” held on 09-03-2015 to 13-03-2015.
- Provided Teaching assistance in ICAR NICHE AREA of Excellence Programme workshop Hands on Training on ,”**Cyto-genotoxicity Assay and use of Functional and Molecular tools in Pharmacodynamic Studies,** “held on 08-02-2016 to 17-02-2016.

PUBLICATIONS-

- **Sharma V**, Nair S.V, Jaitley.P, Uday, Sharma.V Choudhury.S, Garg S.K, “K_{ATP} and BK_{Ca} channel regulate BRL37344- induced tocolysis in buffaloes” paper published in **Theroginology**.
- Nair, S.V., **Sharma, V.**, Sharma, A., Nakade, U.P., Jaitley, P., Mathesh, K., Choudhury, S. and Garg, S.K., 2017. The functional and molecular studies on involvement of hydrogen sulphide in myometrial activity of non-pregnant buffaloes (*Bubalus bubalis*). **BMC veterinary research**, 13(1), p.379.
- Uday P.nakade , Sharma.A, **Sharma V** ,Choudhury. S, Garg S.K Calcium-dependent and calcium-mimicking pathways regulate lead- induced myometrial contraction in water buffaloes (*Bubalus Bubalis*), Paper Published in **Indian Journal of Animal science**.
- Baksi R, Singh DP, Borse SP, Rana R, **Sharma V**, Nivsarkar M. In vitro and in vivo anticancer efficacy potential of Quercetin loaded polymeric nanoparticles. **Biomedicine & Pharmacotherapy**. (Accepted: 19-07-18).
- Borse SP, Singh DP, Upadhyay D, **Sharma V**, Nivsarkar M. Probiotic use in the management of hypertension: A new era of therapeutic management. **Indian Journal of Health Sciences and Biomedical Research**. (Accepted: 04-July-2018).

PUBLICATIONS UNDER PIPELINE-

- **Borse SP**, Upadhyay D, **Sharma V**, Singh DP, Nivsarkar M. Diabetes mediated alteration in the pharmacokinetics of the metformin and telmisartan using novel RP-HPLC method.
- **Borse SP**, Upadhyay D, **Sharma V**, Singh D, Nivsarkar M. Role of diabetes and diabetes with NSAID-gastroenteropathy on the PK-PD of selected drugs: A focus on Drug-herb-disease interactions.
- **Borse SP**, Singh DP, **Sharma V**, Nivsarkar M. Clinical importance of Cytokine-Hormone-Neurotransmitter-Enzyme-Transporter (CHNET) interplays in type 2 diabetes mellitus: The clarion call for multimodal management.
- Rana R ,Baksi B, Borse S.P, **Sharma V**, Nivsarkar M. Indication of Biochemical responses in hypothyroid states produced contaminant effects of implantation failure in mice.

INTERNSHIP & TRAINING

- Completed M.Pharma Internship on **7- Days Toxicity Study** from **Deshpande Laboratories, Bhopal**.
- Completed B. Pharma Training on 2 Months from **Borocaps Pharmaceutical Pvt. Ltd Jaipur**

ACHEIVEMENTS

- Won prize in Posters and Model Competition in B.Pharm.
- College as a volunteer.

SOFT SKILLS

- Basic Knowledge of Computer.
- Debating and presentation.
- Comprehensive problem solving abilities and hard worker.

HOBBIES & INTERESTS

- Watching Science Fiction Movies.
- Net Surfing.
- Listening Music.

PERSONAL DETAILS

Father Name	:	Sh. Umesh Chandra Sharma
Date of Birth	:	10 th Oct, 1988.
Languages Known	:	English and Hindi.
Permanent Address	:	S/o Sh. Umesh Chandra Sharma, D.R.M.R, Bharatpur, Rajasthan.
Email ID	:	asvipinsharma10@gmail.com
Nationality	:	Indian
Marital Status	:	Single

I hereby declare that all the above information is true to my knowledge.

Date:

Place:

(VIPIN SHARMA)