Srinivas Chinde, Ph.D.
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Career Objective:

Seeking a challenging and responsible position in an organization, where my skills and abilities will be utilized and create an enjoyable career for myself.

Professional Experience:

I have rich experience (7 years) in the field of *in-vitro* and *in-vivo* toxicology domain in evaluating the xenobiotics and metal oxide nanoparticles and their safety assessments according to OECD, ICH and CPCSEA guidelines in small animal models and published dozens of international peer reviewed publications. Demonstrated experience in the planning of work, execution of methods in lab and also resolve procedural problems, timely completion of projects. Besides, drafting R& D project proposals, literature search, documentation and presentation skills are my assets. I have keen to flexible to play many roles as needed for organization from time to time. I had gained the good knowledge of Acute & Repeated dose toxicity studies, ADMET, PK/PD and gross histopathological studies throughout my research work. Grant proposal writing for national/international bodies and reviewed research articles for various peer-reviewed international journals. Mentoring graduate students for their dissertation work in experimental design, thesis drafting and manuscript writing.

Post-doctoral Research: CSIR-RA, April 2019 to till date
Toxicological assessment of micro and nano plastics in water stored in PET bottles using *in vitro* and *in vivo* models" at Applied biology Division, CSIR-Indian Institute of Chemical Technology, Hyderabad, India

Senior Research Fellow-ICMR, 2015-2018 (Ph.D. work)
Toxicological studies of Tungsten oxide (WO_3) Nanoparticles (NPs) using *In vitro* and *In vivo* models at Toxicology Unit, Applied Biology Division, CSIR-IICT, Hyderabad, India

Junior Research Fellow-CSIR (Project), 2011-2014
Genetic polymorphisms of VDR Genes and SNPs in Lead susceptible workers
CSIR-Indian Institute of Chemical Technology, Hyderabad, India

Industrial Trainee-DBT-BCIL, 2010-2011
Bacterial identification by 16s rDNA sequencing
Advanced Molecular Biology Division, Vimta Labs Limited, Hyderabad, India

Technical expertise:

- **Animal cell culture techniques:** Handling and maintenance of primary and secondary normal and cancerous cell lines (human and rat). Cytotoxicity (MTT, LDH and SRB), genotoxicity (Comet, CBMN and CA), apoptosis/necrosis (Cas-3, -9 & Annexin V-FITC), oxidative stress markers (ROS, GSH, CAT & Lipid peroxidation), cellular uptake studies (FACS, ICP-OES and TEM imaging) in cell lines.

- **Animal handling and experimentation:** Procurement, housing, breeding and health management of laboratory animals. Acute & Subacute toxicity studies, ADMET, PK/PD genotoxic assays (Comet, Micronucleus and Chromosomal aberrations) and gross histopathological studies, bio distribution and cellular uptake studies by using ICP-OES and TEM imaging in small animal models according to OECD and CPCSEA guidelines.

- **Molecular biology techniques:** DNA, RNA and protein isolation, agarose gel electrophoresis, c-DNA, RT-PCR, qPCR, DNA Sequencing by Sanger dideoxy method, ELISA, SDS-PAGE and Western blotting.

- **Characterization techniques:** Characterization of nanoparticles by using UV-visible, TEM, DLS, XRD, ICP-OES, and BET, and interpretation of their spectroscopic data.

- **Bioinformatics and Insilco:** BLAST, FASTA, Primer designing and Protox2 webserver for prediction of oral toxicities of small molecules in rodents.

- **Data analysis:** GraphPad Prism 5 for statistical analysis, Comet Image Analysis Software, version 6 Andor Technology, ABI Sequencing Software for ABI 3730xl DNA Analyzer, Primer 3 software and primer quest for primer designing.

Education:

Ph.D. in Genetics from Osmania University Hyderabad, India (2013 - 2018).

M.Sc. in Biotechnology from Telangana University, Nizamabad, India (2008 - 2010).

B.Sc. with Biotechnology, Botany and Chemistry from Kavitha Memorial Degree College, Kakatiya University, Khammam, India (2005 - 2008)

Training/Workshops:

National e-Workshop on Innovation & Intellectual property Rights - 14th to 19th June, 2021
Innovative Technology Enabling Centre (InTEC), CSIR-IMMT, Bhubaneswar, India

In vivo Preclinical Imaging and Drug Discovery – 7th to 11th December, 2020. Virtual Edition
Advanced center for treatment, TATA memorial center for cancer, Kharghar, Navi Mumbai, India.

Good Clinical Practice Online Certification Course
Valid till May-2023 by NIH – NIDA Clinical Trial Network, USA.

38th Laboratory Animal Supervisors Training Course - 3rd Sep 2018 to 30th Nov 2018
The care, breeding management, experimental techniques and welfare of laboratory animals at National Animal Research Facility for Biomedical Research (NARFBR), NIN, Hyderabad, India ***(First Ranker and Hariharan Award Winner).***

Microtomy / Ultra-Microtomy, Staining & Imaging Techniques – 16th to 17th July, 2018, Institute of Life Sciences (ILS), Bhubaneswar, India

Basic Flow Cytometry Training Program - 15th to 18th Dec, 2015
Centre for Cellular and Molecular platforms (C-CAMP), NCBS, Bangalore, India

Techniques in Animal Cell Culture*, In vitro* Toxicology Workshop - 18th to 27th Dec 2013, MGDC, Bharathidesan University, Tamilnadu, India.

Selected Publications (Total: 20) (Thesis: 3, First Author: 4, Total Impact Factor: 58.94):

1. **Chinde S,** Poornachandra Y, Panyala A, Kumari SI, Yerramsetty S, Adicherla H, Grover P. Comparative study of cyto- and genotoxic potential with mechanistic insights of tungsten oxide nanoparticles and microparticles in lung carcinoma cells. Journal of Applied Toxicology. 2018 Jun; 38(6):896-913. ***Impact factor (IF): 2.98.***
2. **Chinde S,** Grover P. Toxicological assessment of nano and micron-sized tungsten oxide after 28 days repeated oral administration to Wistar rats. Mutation Research - Genetic Toxicology and Environmental Mutagenesis 2017, Jul; 819:1-13. ***IF: 2.87.***
3. **Chinde S,** Dumala N, Rahman MF, Kamal SSK, Kumari SI, Mahboob M, Grover P. Toxicological assessment of tungsten oxide nanoparticles in rats after acute oral exposure. Environ Sci Pollut Res Int. 2017 May; 24(15):13576-13593. ***IF: 4.23.***
4. **Chinde S,** Kumari M, Devi KR, Murty US, Rahman MF, Kumari SI, Mahboob M, Grover P. Assessment of genotoxic effects of lead in occupationally exposed workers. Environ Sci Pollut Res Int. 2014 Oct; 21(19):11469-80. ***IF: 4.23.***
5. Chinthala Y, Thakur S, Tirunagari S, **Chinde S,** Domatti AK, Arigari NK, K V N S S, Alam S, Jonnala KK, Khan F, Tiwari A, Grover P. Synthesis, docking and ADMET studies of novel chalcone triazoles for anti-cancer and anti-diabetic activity. Eur J Med Chem. 2015 Mar 26; 93:564-73. ***IF: 6.51.***
6. Pooja D, Babu Bikkina DJ, Kulhari H, Nikhila N, **Chinde S,** Raghavendra YM, Sreedhar B, Tiwari AK. Fabrication, characterization and bioevaluation of silibinin loaded chitosan nanoparticles. Int J Biol Macromol. 2014 Aug; 69:267-73. ***IF: 6.95.***

Professional competence:

- Familiar and competent in commonly used PC operations [Microsoft packages (Word, PowerPoint and Excel), Adobe Photoshop 7.0 etc.]
- Have good communication and management skills and capable of working both independently and in group with ease

Awards /Achievements/Memberships:

- Hariharan Award Winner (Laboratory Animal Supervisors Training Course-2018), NIN, Hyd.
- ICMR-SRF and CSIR- RA
- TS-SET 2018 and GATE-2011 (Biotechnology) Qualified.
- Life member of Electron Microscopy Society of India, India.
- Postdoctoral member of Society of Toxicology, USA.

Personal Profile:

Born/Gender/Marital status/ Religion/Nationality: **10-03-1988/Male/Married/Hindu/Indian**

Declaration:

I hereby declared that the above information and particulars are true and correct to the best of my personal knowledge and belief.

Date: **30/06/2021**

Place: **Hyderabad** **(SRINIVAS CHINDE)**