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Designation	Scientist Grade-III (Jr. Vet.)		
Division/Lab	Animal Facility		
Educational Qualification	M.V.Sc. (Vet. Epidemiology & Preventive Medicine) B.V.Sc. & A.H.		
Year of Joining	2015		
Professional Experience			
Organization/Institution	Duration	Profile/Research Interests	
National Institute of Biologicals, Noida, UP-India	Since January 2015	Animal facility management and <i>in-vivo</i> testing of biological including Biotherapeutics and Vaccines. The quality control test parameters include Potency and Safety. Apart from QC controls, the area of interest includes studies on Gut microbiota and infectious diseases among <i>in vivo</i> models.	
Department of Zoology, University of Delhi, Delhi-India	August 2011- January 2015	Animal facility management and facilitation of <i>in vivo</i> research.	
National Brain Research Centre, Manesar, Haryana-India	January 2006- August 2011	Animal facility management and facilitation of <i>in vivo</i> research in Neuroscience and related activities.	

Major Publications

- ❖ **Kumar S**, Yadav PK, Srinivasan R, Perumal N. Selection of animal models for COVID-19 research. **Virus Dis.** 2020; <https://doi.org/10.1007/s13337-020-00637-4>
- ❖ **Kumar S**,* Perumal N. A Journey of Coronaviruses from Sporadic Outbreaks to COVID-19 Pandemic. **Coronaviruses.** 2020; <https://doi.org/10.2174/2666796701999201116212306>
- ❖ **Kumar S***, Singh MP, Bharti VK, Pandey R. Quality control of vaccines- A journey from classical approach to 3Rs. **Microbiology: Current Research.** 2018; <https://doi.org/10.4066/2591-8036.18-369>
- ❖ Verma AK, Leekha A, Kumar V, Imran M, **Kumar S**. Biodistribution and *In-vivo* Efficacy of Doxorubicin Loaded Chitosan Nanoparticles in Ehrlich Ascites Carcinoma (EAC) Bearing Balb/c Mice. **J Nanomed Nanotechnol.** 2018; <https://doi.org/10.4172/2157-7439.1000510>
- ❖ **Kumar S**, Pandey R, Bharti VK, Sharma N *et al.* Evaluation of nanoparticles pyrogenicity. **European Journal of Biomedical and Pharmaceutical Sciences.** 2017; 4(3):168-83.
- ❖ Chanchal A, Vohra R, Elesela S, Bhushan L, Kumar S, **Kumar S**, S Ahmad, Pandey R. Gelatin biopolymer: A journey from micro to nano. **J Pharm Res.** 2014; 8 (10), 1387-97.
- ❖ **Kumar S**, Khurana R, Rakha NK, Khokhar RS. Epidemiological pattern of various skin disorders in dogs. **Indian J. Vet. Res.** 2006; 15 (1), 1-14.

Book Chapters

- ❖ **Kumar S***, Rajput MK, Tickoo SB (2021) Laws, Regulations, Policies and Guidelines Governing the Care and Use of Laboratory Animals, Chapter 2, Essentials of Laboratory Animal Science: Principles and Practices, **Springer nature**; [DOI: 10.1007/978-981-16-0987-9](https://doi.org/10.1007/978-981-16-0987-9)
- ❖ **Kumar S***, Yadav PK (2021) Basic Biostatistics for Laboratory Animal Science, Chapter 6, Essentials of Laboratory Animal Science: Principles and Practices, **Springer nature**; [DOI:10.1007/978-981-16-0987-9](https://doi.org/10.1007/978-981-16-0987-9)

- ❖ **Kumar S***, Rajput MK, Yadav PK (2021) Laboratory Animal Nutrition Chapter 16, Essentials of Laboratory Animal Science: Principles and Practices, **Springer nature**: [DOI:10.1007/978-981-16-0987-9](https://doi.org/10.1007/978-981-16-0987-9)
- ❖ **Kumar S***(2018) Guidelines for designing experiments with laboratory animals for evaluation of biologicals and food products, Chapter 42, Technological advances in value addition as well as production of green and safe poultry products, ICAR Sponsored Summer School organized by Central Avian Research Institute, Izatnagar-243122, Bareilly (UP), India (**ISBN no. 978-93-5311-841-9**)