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| Name | Dr. Shikha Yadav | |  |
| Email | syadav@nib.gov.in | | |
| Designation | Scientist Grade-II (Veterinary Pathologist) | | |
| Division/Lab | Animal Facility | | |
| Educational Qualification | M.V.Sc. (Veterinary Microbiology) B.V.Sc. & A.H. | | |
| Year of Joining | 2009 | | |
| Professional Experience | | | |
| Organization/ Institution | Duration | Work Profile | |
| National Institute of Biologicals (Ministry of Health & Family Welfare), Noida, UP. | 8 th December 2009 till date | <p>Scientist Gr II & Head, Animal Facility</p> <ul style="list-style-type: none"> As scientist, work involves overseeing performance of the in vivo quality control tests on various biologicals received at NIB to establish their safety, identity and potency where ever mandatory for batch release as per Indian or other pharmacopoeias. As veterinarian to oversee the overall management and operation of the Animal Facility as per CPCSEA guidelines and ensure that healthy animals are available for QC testing in the designated turnaround time through a well-planned breeding program. | |
| National Brain Research Centre, (DBT, Ministry of Science & Technology) Manesar, Haryana. | 17 th October 2002 - 7 th December 2009 | <p>Veterinarian In Charge, Animal Facility</p> <ul style="list-style-type: none"> As veterinarian looked after all the administrative, managerial as well as technical aspects of the animal facility. Facilitated scientists in research on neuroscience and in neurosurgeries performed on laboratory animals including macaques. | |
| Genes & Proteins Laboratory, National Institute of Immunology (DBT, Ministry of Science & Technology), Delhi. | 9 th December 2000 -8 th March 2002 | <p>Research Assistant in Genes & Proteins Lab in following projects:</p> <ul style="list-style-type: none"> Isolation and Characterization of genes encoding sperm surface antigens by screening human testis expression cDNA Library: Identification of a candidate molecule(s) for development of contraceptive vaccine. Characterization of a sperm specific | |

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| | | protein having structural homology with A-Kinase anchoring protein with functional role in sperm motility: A candidate target molecule for development of male contraceptive. |
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Major Publications

- **Shikha Yadav**, Sharma, R., and Rajesh Chhabra. Cytokines Induce Enhanced Antigen Presentation in Mice Immunized With Foot and Mouth Disease Vaccine. Journal of Immunology & Immunopathology. 2004: 6(1).
- Nirmala Jagadish, Ritu Rana, Ramasamy Selvi, Deepshikha Mishra, Manoj Garg, **Shikha Yadav**, John C Herr, Katsuzumi Okumura, Akiko Hasegawa, Kogi Koyama and Anil Suri. Characterization of a novel human sperm associated antigen 9(SPAG9) having structural homology with c-Jun NH2-terminal kinase interacting protein. Biochemical Journal, 2005 July1 389(pt 1) : 73-82.
- **Shikha Yadav**, R Sharma and Rajesh Chhabra. Interleukin-2 potentiates foot-and-mouth disease vaccinal immune response in mice. Vaccine, 2005 Apr 27; 23(23): 3005-9
- Subhash Chand, Gurminder Bindra, Saurabh Vaishnav, Anupama Pandey, Ayush Karol, Faraz Sheikh, Jaipal Meena, Shalini Tewari, Manjula Kiran, Neeraj Malik, **Shikha Yadav**, G.R. Soni and Surinder Singh. Comparative evaluation for safety & potency of inactivated Cell Culture Rabies Vaccines from four Indian manufacturers; International Journal of Biomedical and Advance Research, 2016 7(1): 12-16.
- **Shikha Yadav**, Richa Baranwal, Rashmi Shrivastav, N. Gopal, Subhash Kumar, Rajeev Shrivastav, Brij Bahadur, Mohit Kumar, Rashmi Jain, Niharika Sood, Charu M Kamal, JP Prasad. Assuring the quality of human menopausal gonadotropin (menotrophin) batches by establishing their FSH and LH activities before use in treatment of infertility. International Journal of Current Research, 2016, Feb, Vol 8, Issue 02: 26214-26217.
- Richa Baranwal, Rashmi Shrivastav, N. Gopal, Subhash Kumar, Rajeev Shrivastav, Mohit Kumar, Rashmi Jain, Niharika Sood, Charu M Kamal, JP Prasad, **Shikha Yadav**, 2016. Evaluation of therapeutic recombinant follicle stimulating hormone batches for their identity and potency before use in patients, International Journal of Current Research, 2016, 8 (1) : 25049-25052.
- **Shikha Yadav**, Inderjeet Yadav, Kunal Pratap, Pradeep Kumar Tiwari, Vijay Pal Singh. Reproductive performance of genetically engineered mice housed in different housing system. Laboratory Animal Research, 2017 Jun; 33(2): 68-75.
- Karan Singh, **Shikha Yadav**, Inderjeet Yadav, Dinesh Kanwar, Vijay Pal Singh. Management of gastric dilatation/bloat in rabbit. Journal of Laboratory Animal Science Jan-June 2017: 13-15.
- Karan Singh, **Shikha Yadav**, Inderjeet Yadav, Dinesh Kanwar, Vijay Pal Singh. Murine dystocia and surgical management. Journal of Laboratory Animal Science Jan-June 2017: 1-3.

- Vijay Pal Singh, **Shikha Yadav**, Himanshu Joshi, Shakthi R. K. Devan., Dinesh K. Yadav and Rana. P. Singh. Recent Advances in 3Rs and Laboratory Animal Science: Report on the International Conference of LASA (India). ALTEX. 2019 36(2): 322-328.
- **Shikha Yadav** , Nakul Dev S Yadav , Atish Gheware , Ankur Kulshreshtha , Pankaj Sharma , V P Singh: Oral Feeding of Cow Milk Containing A1 Variant of β Casein Induces Pulmonary Inflammation in Male Balb/c Mice. Scientific Reports. 2020 May 15;10(1):8053.
- **Shikha Yadav**, Atish Gheware, Nakul Dev S Yadav, VP Singh, Pankaj Sharma. A1 β -Casein Variant of Cow Milk Exacerbates House Dust Mite Induced Allergic Airway Disease in Murine Model” International Journal of Biology, Pharmacy and Biological Sciences (IJBPAS), 2021, Volume 10 (1): 326-345.
- Harsha Rohira, Sujithra Shankar, **Shikha Yadav**, Sushmita G. Shah, Archana Chugh. Enhanced in vivo antifungal activity of novel cell penetrating peptide natamycin conjugate for efficient fungal keratitis management. International Journal of Pharmaceutics. 2021, Volume 600:120484.