

## BRIEF CURRICULUM VITAE

**DR. RATNESH KUMAR SHARMA**

[ratnesh.sharma@nib.gov.in](mailto:ratnesh.sharma@nib.gov.in)

SCIENTIST-II & HEAD

THERAPEUTIC ANTIBODIES LABORATORY

NATIONAL INSTITUTE OF BIOLOGICALS, NOIDA

YEAR OF JOINING: 2019



---

**EDUCATIONAL QUALIFICATION:** M.Tech (Biotechnology) and PhD (Biochemistry)

---

**AWARD:** Young Scientist Award by Academy of Environmental Biology (AEB), India.

---

### **PROFESSIONAL EXPERIENCE**

Post doctoral nine years of cutting-edge research experience in Biopharmaceutical Industry for process development and characterisation of various therapeutic recombinant proteins including monoclonal antibodies.

---

**RESEARCH INTEREST:** Genetic Engineering, Therapeutic Protein Purification & Characterization, Cancer Biology

---

### **INTERNATIONAL PATENTS**

- **WO/2016/079598** (PCT/IB2015/051009)) for an improved process for preparation of a pharmacopeial grade interferon alpha 2b published on 26.05.2016
  - **BR112016004047**-Processo melhorado para preparação de interferon 2b alfa de classe farmacopéia published on 01.08.2017
  - **EP3221450**- An improved process for the preparation of pharmacopoeial grade interferon alpha 2b published on 27.09.2017.
- 

### **RESEARCH PUBLICATIONS**

1. **R.K.Sharma**, G.Upadhyay, N.J.Siddiqui and B.Sharma (2013). Pesticides induced biochemical alterations in occupational North Indian suburban population. *Human and Experimental Toxicology*.32(11):1213-1227.
2. **R.K.Sharma**, S.K.Jaiswal, N.J.Siddiqui and B.Sharma (2012).Effect of Carbofuran on some biochemical indices of Human Erythrocytes *In-Vitro*. *Cellular and Molecular Biology*.58 (1): 103-109.
3. **R.K.Sharma** and B.Sharma (2012) *In-vitro* carbofuran induced genotoxicity in human lymphocytes and its mitigation by vitamins C and E. *Disease Markers*.32: 153-163.
4. **R.K.Sharma**, D.K.Rai and B.Sharma (2012). *In-Vitro* Carbofuran Induced Micronucleus Formation in Human Blood Lymphocytes. *Cellular and Molecular Biology*. 58 (1): 128-133.
5. M.T.Qidwai, F.Jamal, D.P.Singh and **R.K.Sharma** (2012).Factors modifying transcriptional regulation of signalling genes have putative role in tumor development and progression in humans. *Medical Hypothesis*.79(6):805-812.
6. N.Srivastva, **R.K.Sharma**, N.Singh and B.Sharma (2012). Acetylcholinesterase from Human Erythrocytes Membrane: A Screen for Evaluating the Activity of Some Traditional Plant Extracts. *Cell.Mol.Biol*. 58 (1): 160-169.
7. **R.K.Sharma**, N.J.Siddiqui and B.Sharma (2012). Protective effect of silymarin on human erythrocyte against tert-butyl hydroperoxide (t-BHP) induced oxidative stress *in vitro*. *American Journal of Biochemistry and Molecular Biology*. 2(3):167-174.
8. D.K. Rai, **R.K.Sharma** ,P.K.Rai, G. Watal,B.Sharma and K.Singh (2011).Carbofuran Mediated Oxidative Stress in Erythrocytes and Its Prevention by *Cynodon Dactylon* and Vitamin C. *International Journal of Current Chemistry*.2(3) : 157-164.
9. D.K Rai, **R.K.Sharma**, P.K Rai, G.Watal and B.Sharma (2011) Role of aqueous extract of *Cynodon dactylon* in prevention of carbofuran induced Oxidative stress and acetyl cholinesterase inhibition in rat brain.

*Cell.Mol.Biol.* 57(1):135-142.

10. A.Singh, **R.K.Sharma** and B.Sharma (2010).Low temperature induced alterations in certain biochemical constituents of 5th instar larvae of *Philosamia ricini* (Lepidoptera: Saturniidae).*Open Access Journal Insect Physiology.* 2:11-16.
11. **R.K.Sharma**, S.Chatterji, D.K.Rai, S.Mehta, P.K.Rai, R.K.Singh, G.Watal and B.Sharma (2009). Antioxidant activities and phenolic contents of the aqueous extracts of some Indian medicinal plants. *Journal of Medicinal Plants Research.* 3(11):944-948.