

Faculty Proforma for the GMC Budaun

Name : Dr. Manish Kumar Singh
Qualification : PhD (Med Biochem)
Fellowships : Senior Research Fellowship (ICMR, New Delhi) from 2011– 2014
Date of Joining: 26 December 2017
Date of Birth : Month August Year 1982 Gender :Male
Designation : Assistant Professor
Department : Biochemistry
Specialization : Biochemical & Immunotoxicology
Area of interest : Clinical and Medicinal Chemistry

Awards

A. International:

Awarded Travel Grant the Asian Association of the study of Diabetes/the 62 Annual Meeting of the Japan diabetes Society 23 May 2019.

Publication (Peer reviewed): Separately attached

Books/Book Chapters:

S Dwivedi, S S Yadav, **M.K. Singh**, S Shukla, S Khattri, K. K. Pant; Pharmacogenomics of Viral diseases. Omics for Personalized Medicine. (Chapter 28; Metabolic Disorders), Publisher: Springer Page: 637-676.

International Oral Presentations:

Manish K. Singh, Raj Pal Singh, U.S. Singh, Sanjay Khattri. Arsenic augmented the risk of nephrotoxicity in animal model of diabetes. Japan Diabetes Society, 23 May 2019.

National Oral Presentations:

Research Presentation (Oral) Best Oral presentation PS Murthy award in ACBICON-2014 held at All India Institute of Medical Sciences (**AIIMS**), **Jodhpur**, Rajasthan December 10-13, 2014.

Best e-poster in the Virtual National Conference on “**Traditional Medicine-Challenges & Opportunities**” organized by Centre of Excellence (COE) for Tribal Health, All India Institute of Medical Sciences. **(AIIMS), Jodhpur**, Rajasthan March 19-20, 2021.

Life Memberships:

- Life Member of Association of Clinical Biochemists of India.
- Life Member of Society for Free Radical Research –India.
- Life Member of Society for Research Society for the study of Diabetes in India.

Previous Appointments:

Lecturer at the department of Biochemistry, Moti Lal Nehru Medical College Allahabad U.P.Fab-2016-dec 2017.

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List of Publication:

1. Suraj S. Yadav, **Manish K. Singh**, Pradeep Dwivedi. Therapeutic Spectrum of Piperine for clinical practice: A scoping Review. Crit Rev Food Sci Nut.2022.
2. **Manish K. Singh**, Shailendra Dwivedi, Suraj Singh Yadav, Rajesh Singh Yadav, Sanjay Khattri. Anti-diabetic Effect of *Emblica-officinalis* (Amla) Against Arsenic-Induced Metabolic Disorder in Mice. Ind J Clin Biochem.2019; <https://doi.org/10.1007/s12291-019-00820-5>
3. Rajesh Kumar Kori, **Manish K. Singh**, Abhisek Kumar Jain, Rajesh Singh Yadav. Neurochemical and Behavioral Dysfunctions in Pesticide Exposed Farm Workers: A Clinical Outcome. Ind J. Clin. Biochem. 2018; <https://doi.org/10.1007/s12291-018-0791-5>.
4. **Manish K. Singh**, Pramod K. Singh, Suraj S. Yadav, Uma S. Singh, Pradeep Dwivedi, Rajesh S. Yadav. Attenuation of Arsenic-Induced Dyslipidemia by Fruit Extract of *Emblica Officinalis* in Mice. 2017 International Journal of Nutrition, Pharmacology, Neurological Diseases. 10.4103/ijnpnd.ijnpnd.69-17.
5. **Manish K. Singh**, Suraj Singh Yadav, Rajesh Singh Yadav, Devendra Katiyar, Sanjay Khattri. Protective effect of *Emblica-officinalis* in arsenic induced inflammation and immunotoxicity in mice. Springer plus, 2015 4:438.
6. **Manish K. Singh**, Suraj S Yadav, Rajesh S Yadav, Uma Shanker Singh, Yogeshwar Shukla, Kamlesh Kumar Pant and Sanjay Khattri. Efficacy of crude extract of *Emblica officinalis* (amla) in arsenic-induced oxidative damage and apoptosis in splenocytes of mice. Toxicol Int, 2014; 21(1):8-17.
7. **Manish K. Singh**, Suraj S Yadav, Vineeta Gupta and Sanjay Khattri. Immunomodulatory role of *Emblica officinalis* in arsenic induced oxidative damage and apoptosis in thymocytes of mice. BMC Complementary and Alternative Medicine 2013, 13:193.
8. **Manish K. Singh**, Shailendra Dwivedi, Suraj S. Yadav, Praveen Sharma, Sanjay Khattri. Arsenic-Induced Hepatic Toxicity and Its Attenuation by Fruit Extract of *Emblica officinalis* (Amla) in Mice. Ind J Clin Biochem. 2014; 29(1):29-37.
9. **Manish K. Singh**, Devendra Katiyar, Suraj S Yadav, Vineeta Gupta and Sanjay Khattri. Antioxidant role of fruit extract of *Emblica officinalis* (amla) against arsenic induced renal-toxicity in mice. Annals of Ayurvedic Medicine.2; 3:2013.
10. Suraj S Yadav, **Manish K. Singh**, Pradeep Dwivedi, Raju Mandal, Kauser Usman, Sanjay Khattri, Kamlesh Kumar Pant. Significance of impaired serum Gelatinases activities in Metabolic Syndrome. Toxicol Int. 2014; 21(1):107-11.
11. Suraj Singh Yadav, **Manish K. Singh**, Pawan Kumar Singh, Vipin Kumara. Traditional knowledge to clinical trials: A review on therapeutic actions of *Emblica officinalis*. Biomedicine & Pharmacotherapy 93 (2017) 1292–1302.

12. Vineeta Gupta, **Manish K. Singh**, Ravindra Kumar Garg, Kamlesh Kumar Pant, and Sanjay Khattri. Evaluation of peripheral matrix metalloproteinase-1 in Parkinson's disease: a case-control study. *International Journal of Neuroscience*, 2013; 00: 1-5.
13. Vineeta Gupta, **Manish K. Singh**, Ravindra Kumar Garg, Rajesh Verma, Kamlesh Kumar Pant, Girdhar Gopal Agarwal and Sanjay Khattri. Serum level of matrix metalloproteinase in idiopathic Parkinson's diseases patients. *Journal of Recent Advances in Applied Sciences. (JRAAS)* 2012; 29:07-12.
14. Pramod K. Singh, **Manish K. Singh**, Rajesh Singh Yadav, R.K. Dixit. Attenuation of lead induced neurotoxicity by omega-3 fatty acid in rats. *Annals of Neurosciences* 2017.
15. Suraj Singh Yadav, **Manish Kumar Singh**, Pawan Kumar Singh, Vipin Kumar. Traditional knowledge to clinical trials: A review on therapeutic actions of *Emblica officinalis*. *Biomedicine & Pharmacotherapy*, 2017; 93:1292-1302.
16. Pramod K. Singh, **Manish K. Singh**, Rajesh Singh Yadav, R.K. Dixit. Omega-3 fatty acid attenuates oxidative stress in cerebral cortex, cerebellum and hippocampus tissue and improves neurobehavioral activity in chronic lead induced neurotoxicity. *Journal: Nutritional Neuroscience*, 2017.
17. Sunishtha Singh Yadav, **Manish K. Singh** and Rajesh Singh Yadav. Organophosphates Induced Alzheimer's disease: An Epigenetic Aspect. *Journal of Clinical Epigenetics*, 2016; Vol. 2 No. 1: 10.
18. Suraj S Yadav, Raju K Mandal, **Manish K. Singh**, Pradeep Dwivedi, K. Usman, S. Khattri. Cumulative risk of metabolic syndrome correlated with the coexistence of (-1306C/T) and altered circulating MMP2 level. *Exp Clin Endocrinol Diabetes*. 2016.
19. Suraj S Yadav, Raju K Mandal, **Manish K. Singh**, Archana Verma, Pradeep Dwivedi, Rishi Sethi, Kauser Usman, Sanjay khattri. Significance of matrix metalloproteinases 1 and 9 gene polymorphisms and its serum level in metabolic syndrome patients. *DNA and Cell Biology*. 2013.
20. Suraj S Yadav, Raju K Mandal, **Manish K. Singh**, K. Usman, S Khattri. Genetic Variants of Matrix Metalloproteinase (MMP2) Gene Influence Metabolic Syndrome Susceptibility. *Genet Test Mol Biomarkers*. 2013.
21. Sashi Khandelwal, Neelma Pathak, **Manish K. Singh**. Protective Efficacy of Piperin against cadmium induced hepatic and renal damage in male mice. *Toxicology International*. 2008; 15, 2, 91-95.