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Designation: Professor

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Award(s) and prize(s) won

IIIrd AGE Award 1989 by International Gerontology Congress held in Mexico for the work done during UGC Research Associate ship.

Qualification: M.Sc, Ph.D (Kurukshetra University)

Research specialization (major scientific field of interest)

Neurobiology, (Brain Ageing, epilepsy and development. Mechanism of antiageing and antiepileptic affects of pharmacological and herbal products in the light of Electrophysiological, biochemical, histological and behavioral parameters.)

Publications : Book (One) TEXT BOOK OF NEUROBIOLOGY (IK International Pvt. Ltd Delhi)

Research Publications:

i) Neurobiology of Ageing in Rat Brain

74. Jyoti Suryavanshi, Xhander Prakash and Deepak Sharma (2022) Asiatic acid attenuates aluminium chloride-induced behavior changes, neuronal loss and astrocyte activation in rats. *Metabolic Brain Disease* doi.org/10.1007/s11011-022-00998-3
73. Somnath Mukharje, Deepak Sharma and Kailash Chand Upadhyaya (2022) Differential transcriptional activation of copia family of different plant retrotransposons. *J.Plant*

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72. Stanzin Ladol and Deepak Sharma (June 2021) The effects of *Hippophae rhamnoides* in neuroprotection and behavioral alterations against iron-induced epilepsy, ***Epilepsy Res.*** <https://doi.org/10.1016/j.eplepsyres.2021.106695>
 71. Stanzin Ladol and Deepak Sharma (June 2021) Pharmacotherapeutic Effects of *Hippophae rhamnoides* in Rat Model of Post-traumatic Epilepsy in View of Oxidative Stress, Na⁺,K⁺ATPase Activity and Sodium Ion Channel Expression ***Acta Scientific Neurology (ISSN: 2582-1121)*** Volume 4 Issue 6, 02-11.
 70. Prince Kumar and Deepak Sharma (2020) Ameliorative effect of curcumin on altered expression of CACNA1A and GABRD in the pathogenesis of FeCl₃-induced epilepsy" ***Molecular Biology Reports*** **47**, 5699–5710.
 69. Jharana Das,, Rameshwar Singa,, Stanzin Ladol,, Sasmita Kumari Nayak and, Deepak Sharma (2020) Fisetin prevents the aging-associated decline in relative spectral power of α , β and linked MUA in the cortex and behavioral alterations. ***Experimental Gerontology***, 138, 1-8
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 66. Niraj Kumar and Deepak Sharma (2019) Altered lipid metabolism in post-traumatic epileptic rat model: One proposed pathway" ***Molecular Biology Reports.*** <https://doi.org/10.1007/s11033-019-04626-9>
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 64. Niraj K Srivastava, Achal Srivastavs, Somnath Mukharjee, Rohan Sharma, Akhilesh Sonkar, Ashok K Mahapatra and **Deepak Sharma** (2018) A Formulated Diet-chart for patients with Muscular Dystrophy and its Clinical Significance. ***Annals of Experimental Biology*** 6(2): 1-17
 63. Niraj K. Srivastava, Sharma S, Sharma R, Sinha N, Mandal SK, Deepak Sharma (2018) Metabolic fingerprinting of joint tissue of collagen-induced arthritis (CIA) rat: In vitro, high resolution NMR (Nuclear magnetic Resonance) spectroscopy based analysis. ***EXCLI Journal*** , 17: 257-272
 62. Niraj K. Srivastava, Sharma S. Sinha N, Mandal S.K and **Deepak Sharma** (2018) Abnormal lipid metabolism in a rat model of arthritis: one possible pathway. ***Molecular and Cellular Biochemistry.*** 448:107-124

61. Neha Mishra, Kumar P, Singh R and **Deepak Sharma** (2017) Response of α -synuclein expression to amyloid β 40 and amyloid β 42 administration into rat brain. *Alzheimer's Disease & Parkinsonism* (Accepted)
60. Prince Kumar, Rameshwar Singh, Deepak Sharma (2016) Altered expression of miR-214, miR-3120 and Pten in iron-induced experimental epilepsy model of post-traumatic epilepsy and the effect of curcumin. *Int. J. Adv. Res.* **4(12)**, 1352-1361
59. Jharana Das, R. Singh and Deepak Sharma (2017) Antiepileptic effect of fisetin in iron-induced experimental model of traumatic epilepsy in rats in the light of electrophysiological, biochemical and behavioral observations. *Nutritional Neuroscience.* **20(4):255-264**
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55. Pradeep Bhatt and **Deepak Sharma** (2015) Indian Females are more Vulnerable for oxidative stress induced cardiomyopathy : A case study. *World J. Pharmaceutical Res.* 4(9) 2192-2215
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- ii) **Malnutrition and development of brain :**
16. **Deepak Sharma** (1990) Morphometric response of spinal cord ependymal cells to maternal protein deficiency during post-natal development in rats. *Geobios* 17 (2,3) : 131.
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Review

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Abstracts

7. Stanzin Ladol and Deepak Sharma (2016) Antiepileptic Effect of Hippophae Rhamnoides juice in young Rat Model of Post-traumatic Epilepsy. *Int. J Biotech. Biomed. Sci.* 2(1) 84-84 (p-ISSN 2454-4582, e-ISSN 2454-7808)

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Chapters:

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4. Monika Mishra, Rameshwar Singh and Deepak Sharma (2016) Antiepileptic activity of an antiaging neurosteroid dehydroepiandrosterone (DHEA) in iron-induced epilepsy. *Topics in Biomedical Gerontology* (Springer press ed.by P.C Rath, R Sharma and S. Prasad) pp 303-310
3. Rameshwar Singh, **Deepak Sharma**, Sangeeta Singh and Jaspreet Kaur (2006) Biochemical correlates of Electrophysiological Ageing of the Brain. In *Pain: New Dimensions*. Ed Prof. R Mathur. Pub. M/s Ananya Publishers pp. 116 ISBN 81-88342-58-0

2. Rameshwar Singh, and **Deepak Sharma** (2005) Electrophysiological Ageing of the Brain and pharmacology of Ageing. Cellular and Molecular Brain Ageing Ed Prof. MK Thakur Pub M/s Narosa Publishers pp.135 **ISBN 81-7319-582-X**
1. Niraj Kumar Srivastava, Somnath Mukherjee and Deepak Sharma (2013) Biofuels: Need, Comparative Advances and Technological Development with Future strategies. Advances Frontier on Biotechnology, pages 1-49 edited by Dr. kambaska Kumar Behera, Jaya publishing House Delhi, India

Paper presented in national & International conferences /Symposia : 40