

## Research Publications

1. Kumari, R., and Singh, G. P. (2016). Hyperhomocysteinemia, Cognitive Deficits, and Delayed P300 Latencies in Malnourished Children from Northern India. *Mental Health in Family Medicine, 12*(02), 162-169
2. Kumari, R., Agrawal, A., Dubey, G. P., Ilango, K., Singh, P. K., and Singh, G. P. I. (2016). Safety evaluation of a polyherbal formulation containing hydroalcoholic extracts of *Hippophae salicifolia*, *Nyctanthes arbor-tristis*, *Ocimum tenuiflorum*, and *Reinwardtia indica* in rodents. *Journal of biomedical research, 30*(3), 248.
3. Kumari, R., Agrawal, A., Ilango, K., Singh, G. P., and Dubey, G. P. (2016). In vivo evaluation of the antidepressant activity of a novel polyherbal formulation. *Autism-Open Access, 6*(194), 2.
4. Kumari, R., Agrawal, A., Singh, G. P. I., and Dubey, G. P. (2015). Hyperhomocysteinemia and DNA hypomethylation, reduced the monoamines synthesis in depression: A case control study. *J Syst Integr Neurosci, 1*, 36-40.
5. Kumari, R., Tiwari, A., Agrwal, A., Singh, G. P. I., and Dubey, G. P. (2015) Association of Methylene tetrahydrofolate reductase (MTHFR 677C>T) polymorphisms with Ovarian Malignancy in women of Northern India. *South Asian Journal of Multidisciplinary Studies, 2*(3):214-223.
6. Kumari, R., Agrawal, A., Ilango, K., Singh, G. P. I., and Dubey, G. P. (2015) The Prevalence of Developmental Disabilities Associated With Nutritional Deficiency, *AJCN, 2* (2): 32-34.
7. Agrawal, A., Ilango, K., Singh, P. K., Karmakar, D., Singh, G. P. I., Kumari, R., and Dubey, G. P. (2015). Age dependent levels of plasma homocysteine and cognitive performance. *Behavioural Brain Research, 283*, 139-144.
8. Kumari, R., Agrawal, A., Upadhaya, O. P., Ilango, K., Singh, G. P. I., and Dubey, G. P. (2015) Chronic effect of *Bacopa monnieri* in the Management of intellectual disability mild to moderate. *Pharmaceutical and Biological Evaluations, 2* (1): 11-17
9. Kumari, R., Agrawal, A., Upadhaya, O. P., Ilango, K., Singh, G. P. I. and Dubey, G. P. (2014) The effect of an indigenous drug on abnormal folate metabolism and mental retardation- A study on 5,10-Methylene tetrahydrofolate Reductase Activity, *IJPCR, 6*(3): 265-269.
10. Viyas, N., Kumari, R., Singh, G.P.I., Dubey, R., Bhandari, M., and Dubey, G.P. (2019) Antidiabetic activity of fruit pulp extract of *Hippophaerhamnoides L.* in Streptozotocin-induced type-II diabetes in rats. *IJGHC, Sec. B; Vol.8, 082-090; 2019.*
11. Viyas, N., Upadhyay, H., Singh, G.P.I., Bhandari, M., Seth, R., and Dubey, G.P. (2019) Role of *Hippophaerhamnoides L.* in the management of Depression by regulating Hyperhomocysteinemia. *IJPBA, 10*(2):81-85.

12. Kumari, R, Agrawal, A., Ilango, K., Singh, G.P.I. and Dubey, G.P. (2016) Antidepressant-like activity of novel polyherbal formulation in behavioral despair tests, neurochemicals, cytokine and homocysteine in rat forced swimming test. 5<sup>th</sup> International Conference on Recent Advances in Cognition and Health, BHU Varanasi, India (2016) in the department of psychiatric Faculty of Art. BHU, Varanasi.
13. Sadhu, A., Upadhyay, P., Singh, P. K., Agrawal, A., Ilango, K., Karmakar, D., and Dubey, G. P. (2015). Quantitative analysis of heavy metals in medicinal plants collected from environmentally diverse locations in India for use in a novel phytopharmaceutical product. *Environmental monitoring and assessment*, 187, 1-11.
14. Kumari, R., Agrawal, A., Upadhyaya, O. P., Singh, G. P. I., and Dubey, G. P. (2014). Impact of MTHFR and RFC-1 gene in the development of neural tube defect. *Journal of Cell and Molecular Research*, 6(2), 103-104.
15. Sadhu, A., Upadhyay, P., Agrawal, A., Ilango, K., Karmakar, D., Singh, G. P. I., and Dubey, G. P. (2014). Management of cognitive determinants in senile dementia of Alzheimer's type: therapeutic potential of a novel polyherbal drug product. *Clinical drug investigation*, 34, 857-869.

#### **Book Chapter**

1. Kumari, R., Agrawal, A., Singh, P. K., Singh, G.P.I., and Dubey, G.P. (2016) Regulation of Serotonin in Depression: Efficacy of Ayurvedic Plants: Their Functional Role in Plants, Food, Phytomedicine, and Human Health, In *Serotonin and Melatonin*, pp 397–420, CRC Press, 2016.