

Research Publications

BioChemistry

1. Kumar K, Pujari N.S, Golegaonkar S.B, Ponrathnam S, Nene S.N, and Bhatnagar D (2009) Vinyl-2-pyrrodone derivatised guar gum based aqueous two-phase system. Separation and Purification Technology, 65, 9-13. ISSN 1383-5866, (Impact factor 3.525).
2. Kumar V, Rani A, Dixit AK, Bhatnagar D and Chauhan GS (2009). Relative changes in tocopherols, isoflavones, total phenolic content and antioxidative activity in soybean seeds at different reproductive stages. Journal of Agricultural and Food Chemistry 57, 2705-2710. ISSN 0021-8561, (Impact factor 2.906).
3. Kumar V, Rani A, Dixit AK, Pratap D and Bhatnagar D (2010). A comparative assessment of total phenolic content, ferric reducing-antioxidative power, free radical-scavenging activity, vitamin C and isoflavones content in soybean with varying seed coat colour. Food Research International, 43, 323–328. ISSN 0963-9969. (Impact factor 2.899).
4. Dixit AK, Bhatnagar D, Kumar V, Rani A, Manjaya JG, and Bhatnagar D (2010). Gamma Irradiation induced enhancement in isoflavones, total phenol, anthocyanin and antioxidant properties of varying seed coat colored soybean. Journal of Agricultural and Food Chemistry, 58, 4298–4302. ISSN 0021-8561, (Impact factor 2.906).
5. Yadav A S and Bhatnagar D (2010). Inhibition of iron induced lipid peroxidation and antioxidant activity of Indian spices and Acacia in vitro. Plant Food for Human Nutrition, 65, 18–24. ISSN 1573-9104. (Impact factor 2.463).
6. Azeez A, Aniruddha P. Sane, Tripathi SK, Bhatnagar D and Nath P (2010). The gladiolus GgEXPA1 is a GA-responsive alpha-expansin gene expressed ubiquitously during expansion of all floral tissues and leaves but repressed during organ senescence. Postharvest Biology and Technology. 58, 48-56. ISSN 0925-5214. (Impact factor 2.310).
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9. Dixit AK, Kumar V, Rani A, Manjaya JG and Bhatnagar D. (2011). Effect of gamma irradiation on lipoxygenases, trypsin inhibitor, raffinose family oligosaccharides and nutritional factors of different seed coat colored soybean (*Glycine max* L.). Radiation Physics & Chemistry, 80, 597-603. ISSN 0969-806X. (Impact Factor 1.153).
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- Khushu (2011). Study of acute biochemical effects of thallium toxicity in mouse urine by NMR spectroscopy. *J. App. Toxicol.* 31, 663-670. ISSN 1099-1263. (Impact factor 2.597).
11. Tyagi R, Rana P, Gupta N, Khan AR, Bhatnagar D, Bhalla PJS, Chaturvedi S, Tripathi RP and Khushu S (2013). Differential biochemical response of rat kidney towards low and high doses of nickel chloride as revealed by NMR spectroscopy. *J. Applied Toxicology* 33,134-41. ISSN 1099-1263. (Impact factor 2.597).
 12. Amit Kumar Dixit, Deepti Bhatnagar, Vineet Kumar, D. Chawla, K. Fakhruddin, D Bhatnagar (2012). Antioxidant potential and radioprotective effect of soy isoflavone against gamma irradiation induced oxidative stress. *J. Functional Foods* 4, 197-206. ISSN 1756-4646. (Impact factor 2.742).
 13. Dixit AK, Bhatnagar D, Kumar V, Rani A, Manjaya JG, and Bhatnagar D (2012). Influence of gamma irradiation on in vitro lipid peroxidation and antioxidant properties of soybean with different seed coat color. *International Journal of Food Properties* 15: 1171-1181. ISSN 1094-2912. (Impact factor 0.877).
 14. Deepti Dixit, Amit Kumar Dixit, Harsha Lad, PJS Bhalla, Deepak Bhatnagar (2012). Protective effects of Terminalia chebula in modulating oxidative damages against gamma irradiation induced lethality in rats. *International Journal of Biological and Pharmaceutical Research*, 3, 734-742. ISSN 0976-3651. (Impact factor 1.34).
 15. Deepti Dixit, Amit Kumar Dixit, Harsha Lad, Damodar Gupta, Deepak Bhatnagar. Radioprotective effect of Terminalia chebula Retzius extract against γ - irradiation induced oxidative stress. *Biomedicine and Ageing Pathology* 3(2): 83-88 (2013). ISSN: 2210-5220.
 16. Tyagi R, Rana P, Gupta M, Khan AR, M. Memita Devi, Bhatnagar D, Roy R, Tripathi RP and Khushu S (2012). Urinary metabolomic phenotyping of nickel induced acute toxicity in rat: an NMR spectroscopy approach. *Metabolomics* 8: 940-950. ISSN 1573-3882. (Impact factor 4.433).
 17. Sinha V, Kumar A, Bhatnagar D and Khan JA (2013). Association of Cotton leaf curl Multan virus and its satellite molecules with leaf curl disease of papaya in India. *New Disease Reports* 27, 9. ISSN 2044-0588.
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