**Publications (List of papers published in SCI Journals, in year wise descending order).**

Kushwaha R, Mishra J, Tripathi S, Raza W, Mandrah K, **Roy SK**, Bandyopadhyay S. Arsenic attenuates Heparin-binding EGF-like growth factor/EGFR signalling that promotes matrix-metalloprotease-9-dependent astrocyte damage in the developing rat brain. Toxicol Sci. 2018, 1–23. doi: 10.1093/toxsci/kfx264.

Mandrah K, Satyanarayana G.N.V., **Roy SK\*.** Development of a dispersive liquid-liquid microextraction method based on solidification of floating organic droplet followed by injector port silylation coupled with GC-MS/MS for simultaneous determination of nine bisphenols in bottled carbonated beverages. ***Journal of Chromatography A*,** 2017,1528, 10-17.

Shayan Mohd, Jagriti Shukla, Aparna S. Kushwaha, Kapil Mandrah, Jai Shankar, Nidhi Arjaria, Prem N. Saxena, Ram Narayan, **Somendu K. Roy** and Manoj Kumar. Endophytic Fungi Piriformospora indica Mediated Protection of Host from Arsenic Toxicity. ***Front Microbiol.*** 2017; 8: 754.

Singh VK, Arora D, Satija NK, Khare P, **Roy SK**\*, Sharma PK\*. Intricatinol synergistically enhances the anticancerous activity of cisplatin in human A549 cells via p38 MAPK/p53 signalling. Apoptosis, 2017, Jul 29. doi: 10.1007/s10495-017-1404-0.

Dhiman, N, Fatima, F, Saxsena, PN, **Roy, S**, Rout, PK & Patnaik, S. Predictive modeling and validation of arsenite removal by a one pot synthesized bioceramic buttressed manganese doped iron oxide nanoplatform. ***RSC Advances****,* 2017, 7**,** 32866-32876.

Khan, H, Singh, RD, Tiwari, R, Gangopadhyay, S, **Roy, SK**, Singh, D & Srivastava, V. Mercury exposure induces cytoskeleton disruption and loss of renal function through epigenetic modulation of MMP9 expression. ***Toxicology****,* 2017, 386**,** 28-39.

Markandeya, Shukla, SP, Dhiman, N, Mohan, D, Kisku, GC & **Roy, S** An Efficient Removal of Disperse Dye from Wastewater Using Zeolite Synthesized from Cenospheres. ***Journal of Hazardous, Toxic, and Radioactive Waste****,* 2017, 21**,** 04017017.

Mohd, S, Shukla, J, Kushwaha, AS, Mandrah, K, Shankar, J, Arjaria, N, Saxena, PN, Narayan, R, **Roy, SK** & Kumar, M. Endophytic Fungi Piriformospora indica Mediated Protection of Host from Arsenic Toxicity. ***Frontiers in microbiology****,* 2017, doi: 10.3389/fmicb.2017.00754.

Pandey, R, Rai, V, Mishra, J, Mandrah, K, **Roy, SK** & Bandyopadhyay, S. Arsenic induces hippocampal neuronal apoptosis and cognitive impairments via an up-regulated BMP2/Smad-dependent reduced BDNF/TrkB signalling in rats. ***Toxicological Sciences***, 2017, 159, 137–158. https://doi.org/10.1093/toxsci/kfx124

Tiwari, R., Singh, R. D., Khan, H., Gangopadhyay, S., Mittal, S., Singh, V., Arjaria, N., Shankar, J., **Roy, S. K.**, Singh, D. & Srivastava, V. Oral Subchronic Exposure to Silver Nanoparticles Causes Renal Damage through Apoptotic Impairment and Necrotic Cell Death. ***Nanotoxicology*,** 2017, 11, 671-686.

Khan S, Bhatia T, Trivedi P, Satyanarayana G.N.V., Mandrah K, Saxena PN, Mudiam MKR, **Roy SK\***. Selective solid-phase extraction using molecularly imprinted polymer as a sorbent for the analysis of fenarimol in food samples. ***Food Chemistry***, 2016, 199, 870–875.

**Roy SK**, Bairwa K, Grover J, Srivastava A, Jachak S. M. Determination of negundoside and agnuside in *vitex negundo* by qNMR and method validation. ***Journal of Analytical Chemistry***, 2015, 70, 639-646.

Grover J, **Roy SK**, Jachak SM. Potassium carbonate mediated efficient and convenient synthesis of 3-methyl-1-phenylchromeno[4,3-*c*]pyrazol-4(1*H*)-ones. ***Synthetic Communications***, 2014, 44, 1914-1923.

**Roy SK**, Pahwa S, Kumari N, Jachak SM and Nandanwar HS. NorA efflux pump inhibitory activity of coumarins from *Mesua ferrea*. ***Fitoterapia*,** 2013, 90, 140-150.

Bairwa K, Singh IN, **Roy SK**, Grover J, Shrivastava A, Jachak SM. Rotenoids from *Boerhaavia diffusa* as cyclooxygenase (COX)-1, COX-2 inhibitors. ***Journal of Natural Products***, 2013, 76, 1393-8.

**Roy SK**, Bairwa K, Grover J, Srivastava A, Jachak SM. Analysis of flavonoids and iridoids in *Vitex negundo* Linn.by HPLC-PDA and method validation. ***Natutal Product Communications***, 2013, 8, 241-244.

**Roy SK**, Kumari N, Gupta S, Pahwa S, Nandanwar H, Jachak SM.7-Hydroxy-(*E*)-3-phenylmethylene-chroman-4-oneanalogues as efflux pump inhibitors against *Mycobacterium smegmatis* mc2 155.***European Journal of Medicinal Chemistry***, 2013, 66, *499-507*.

Chandna N, Kumar S, Kaushik P, Kaushik D,**Roy SK**, Gupta GK, Jachak SM,Kapoor JK, Sharma PK. Synthesis of novel celecoxib analogues by bioisosteric replacement of sulfonamide as potent inflammatory agents and cyclooxygenase inhibitors. ***Bioorganic Medicinal Chemistry***, 2013, 21, *4581-4590*.

Mishra PD, Deshmukh SK, Kulkarni-Almeida A, **Roy SK**, Jain S, Verekar A,Blakrishnan, Vishwakarma R. Anti-inflammatory & anti-diabetic naphthoquinones from an endophyticfungus. ***Indian Journal of Chemical Seciety B***, 2013, 52, 565-567.

**Roy SK**, Srivastava A, Jachak SM. Analysis of homoisoflavonoids in *Caesalpinia digyna* by HPLC-ESI-MS, HPLC and method validation. ***Natural Product Communications****,* 2012,7,1189-1192.

**Roy SK**, Pahwa S, Nandanwar HS and Jachak SM. Phenylpropanoids of *Alpinia galanga* as efflux pump inhibitors in *Mycobacterium smegmatis*mc2155. ***Fitoterapia***, 2012, 83, 1248-1255.

**Roy SK**, Agrahari UC, Gautam R, Srivastava A, Jachak SM. Isointricatinol, a new antioxidant homoisoflavonoid from the roots of *Caesalpinia digyna* Rottler. ***Natural Product Research***, 2012,26, 690-695.

Birari R, **Roy SK**, Singh A, Bhutani KK. Pancreatic lipase inhibitory alkaloids of *Murraya koenigii* leaves. ***Natural Product Communications****,* 2009, 4,1089-1092.