

Publications during last five years

1. Roy SK, Bairwa K, Grover J, Srivastava A, Jachak SM. Determination of negundoside and agnuside in vitex negundo by qNMR and method validation. Journal of Analytical Chemistry. (Accepted)
2. Grover J, Roy SK, Jachak SM. Potassium carbonate mediated efficient and convenient synthesis of 3-methyl-1-phenylchromeno[4,3-c]pyrazol-4(1H)-ones: Synth Commun, 2013, doi: 10.1080/00397911.2013.879184. (IF: 1.06)
3. 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. (IF:2.23)
4. Bairwa K, Singh IN, Roy SK, Grover J, Shrivastava A, Jachak SM. Rotenoids from Boerhaavia diffusa as cyclooxygenase (COX)-1, COX-2 inhibitors. J Nat Prod, 2013, 76, 1393-8. (IF:3.28)
5. 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. Nat Prod Commun, 2013, 8, 241-244. (IF:1.24)
6. Roy SK, Kumari N, Gupta S, Pahwa S, Nandanwar H, Jachak SM. 7-Hydroxy-(E)-3-phenylmethylene-chroman-4-one analogues as efflux pump inhibitors against Mycobacterium smegmatis mc2 155. Eur J Med Chem, 2013, 66, 499-507. (IF:3.49)
7. 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. Bioorg Med Chem, 2013, 21, 4581-4590. (IF:2.90)
8. Mishra PD, Deshmukh SK, Kulkarni-Almeida A, Roy SK, Jain S, Verekar A, Blakrishnan, Vishwakarma R. Anti-inflammatory & anti-diabetic naphthoquinones from an endophytic fungus. Indian J Chem Sec B, 2013, 52, 565-567. (IF:0.64)
9. Roy SK, Srivastava A, Jachak SM. Analysis of homoisoflavonoids in Caesalpinia digyna by HPLC-ESI-MS, HPLC and method validation. Nat Prod Commun, 2012, 7, 1189-1192. (0.95).
10. 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. (IF:2.23)
11. Roy SK, Agrahari UC, Gautam R, Srivastava A, Jachak SM. Isointrinsicinol, a new antioxidant homoisoflavonoid from the roots of Caesalpinia digyna Rottler. Nat Prod Res, 2012, 26, 690-695. (IF:1.09)
12. Jachak S, Roy SK, Gupta S, Ahirrao P, Gibbons S. 2012. Small molecule efflux pump inhibitors from natural products as a potential source of antimicrobial agents. In: Tegos GP, ed. Antimicrobial Drug Discovery: Emerging Strategies. UK: CAB International, 62-76.