Details of full length Research Publication (in Peer Reviewed Journals) during the Period 1st April, 2014 to February, 2015

[A] Details of research papers published/communicated in peer-reviewed journals

Dr. Harish Padh
Vice Chancellor, Coordinator of DST- PURSE program
(2011-till date)


- D Shep, A Ojha, S Patel, M Nivsarkar, V Jaiswal, H Padh, Comparative bioavailability study of a new formulation of injection of 75 mg diclofenac sodium in 1 ml with the conventional injection of 75 mg diclofenac sodium given in 3 ml volume, Current Clinical Pharmacology, 6 (1), 26-29, (2011).


35. Sharad C. Karad, Vishal B. Purohit, Dipak K. Raval, Piyush N. Kalaria, Jemin R. Avalani, Parth Thakor, Vasudev R. Thakkar, Green synthesis and pharmacological screening of polyhydroquinoline derivatives


43. Sarasvati Sukhanandi, Sujata Bhatt, On the effect of corn steep liquor as alternative protein source with lysine and chelated minerals on the growth, metabolism and defence response in Labeo rohita fingerlings, Fish Physiology and Biochemistry, (2015). (communicated)


64. Sneha Trivedi, Jyoti Divecha, Tapan Shah, Amita Shah, Biocatalysis at high substrate loading for fructose production by immobilized inulinase on chitosan particles, Journal of Biosciences. (communicated)


**Department of Chemistry (2014-15)**


Department of Computer Science (2014-15)


131. Sagar S. Patel, Hetalkumar J. Panchal, Comparative study of five legume species based on de novo sequence assembly and annotation, Computational Molecular Biology, 4 (9), 1-6, (2014). [I. F.: 0.4]


136. Sagar Patel, Phylogeny in few species of Leguminosae family based on matK sequence, Computational Molecular Biology, 4 (6), 1-5, (2014). [I. F.: 0.4]

137. Sagar Patel, Megha Vaidya, Homology modelling of conserved rbcl amino acid sequences in Leguminosae family, Data Mining in Genomics & Proteomics. [I. F.: 2.706]


152. Jeegar A Trivedi, Method of solving fuzzy assignment problem by Hungarian method and robust’s ranking technique using triangular and trapezoidal fuzzy number, Research Zone India, 3(1), 10-12, (2014).

Department of Materials Sciences (2014-15)


Department of Homescience (2014-15)


161. Anjali Bhatt, Vinayak Patel, Estimation of antioxidant potential of banana using both simulated gastrointestinal model as well as conventional extraction, Indian Journal of Experimental Biology. on [I.F.:0.753] (Accepted)
Department of Statistics (2014-15)


Department of Mathematics (2014-15)


179. S J Bhatt, Non commutative smooth Frechet subalgebras of a C$\times$algebra defined by first order differential norms, Proc. (Mathematical Sciences) Indian Acad. of Science [I. F.:0.380] (communicated)

180. D. J. Karia , Y. M. Parmar, Operators on Locally Hilbert Space. (communicated)

181. D. J. Karia, Y.M. Parmar, Orthogonality Preserving maps on an Inner product Pro-C*-module. (communicated)

182. S. J. Bhatt , P. A. Dabhi, A note on a paper on C*- Segal algebras by J. Kauppi and M. Mathieu, (communicated)


184. S. J. Bhatt , P. A. Dabhi, Perturbation of direct sum of Hilbert C*- modules induced by a module morphism. (communicated)


188. A H Hasmani, A.A. Shaikh, Haradhan Kundu, Classification of semi-Riemannian Spaces using Mathematica. (communicated)

189. A. B. Patel, M. P. Shekhawat, On n-quasinormal operators. (communicated)

190. S J Bhatt, Meetal M Shah, Non commutative second order differential and Lipschitz structure defined by closed symmetric operator. (communicated)


192. P. A. Dabhi, Multipliers of perturbed Cartesian product with an application to BSE-property, Periodica Mathematica Hungarica. (communicated)


Department of Pharmaceutical Science (2014-15)


Department of Electronics (2014-15)


Department of Physics (2014-15)


[B] Books/ Book Chapters published:

Department of Biosciences


Department of Chemistry


Department of Computer Science


5. Sajja, P.S, Computer Studies (Standard 10) (as co-author), Gujarat State Board of School Textbooks, India (2014).


Department of Mathematics

