

List of publications [2013-Till-date]

Total Number of Citations for these papers: >257

- [1] PD Wakchaure, R Velayutham, and **KK Roy***. Structure investigation, enrichment analysis and structure-based repurposing of FDA-approved drugs as inhibitors of BET-BRD4. **J. Biomol. Struct. Dyn.**2018, 1-22.(*Corresponding author).
- [2] P Pandey; **KK Roy**; H Liu; G Ma; S Pettaway; WF Alsharif; RS Gadepalli; JM Rimoldi; CR McCurdy; SJ Cutler and RJ Doerksen. Structure-based identification of potent natural product chemotypes as cannabinoid receptor 1 inverse agonists. **Molecules**2018, 23, 2630–2647.
- [3] D Dutta, A Chakraborty, B Mukherjee and **S Gupta**. Aptamer-conjugated apigenin nanoparticles to target colorectal carcinoma: A promising safe alternative of colorectal cancer chemotherapy. **ACS Applied Biomaterials**2018. DOI: 10.1021/acsabm.8b00441.
- [4] A Mohanasundaram, TS Shanmugarajan, **R Velayutham**. 3,4-Dihydroxyphenylethanol assuages cognitive impulsivity in Alzheimer;s disease by attuning HPA-Axis via differential crosstalk of alpha7 nAChR with MicroRNA-124 and HDAC6. **ACS Chemical Neurosciences**2018.
- [5] MF Sowaileh; AE Salyer; **KK Roy**; JP John; JR Woods; RJ Doerksen; GH Hockerman; DA Colby. Agonists of the γ -aminobutyric acid type B (GABA_B) receptor derived from β -hydroxy and β -amino difluoromethyl ketones, **Bioorg Med Chem Lett.**2018,28, 2697-2700.
- [6] **Singh, M.; Hazra, A.*; Bharitkar, Y.P.***; Kalia, R.; Sahoo, A.; Saha, S.; Ravichandiran, V.; Ghosh, S.; Mondal, N.B. Synthesis of diversely substituted bis-pyrrolizidino/ thiopyrrolizidinoxindolo/acenaphthylenocurcuminoids via sequential azomethine ylide cycloaddition.; **RSC Adv.** 2018, 8, 18938-18951.(*Corresponding author).
- [7] Mondal K and **Roy S**, (2018)Response of B Lymphocyte During *Leishmania* InfectionMolecular Biology of Kinetoplastid Parasites, pages 39-66, **Publisher:** Caister Academic Press **Edited by:** H K. Majumder.

- [8] J Pressly; SM Mustafa; A Sahar; P Pandey; **KK Roy**; RJ Doerksen; B Moore and F Park. Selective Cannabinoid 2 Receptor Stimulation Reduces Tubular Epithelial Cell Injury Following Renal Ischemia-Reperfusion Injury. **J. Pharmacol. Exp. Ther.** **2018**, 364, 287–299.
- [9] GC Brandão; FCR Missias; LM Arantes; LF Soares; **KK Roy**; RJ Doerksen; ABD Oliveira; GR Pereira. Antimalarial naphthoquinones. Synthesis via click chemistry, in vitro activity, docking to *Pf*DHODH and SAR of lapachol-based compounds. **Eur. J. Med. Chem.** **2018**, 145, 190–205. Citation = 01.
- [10] Ghorai P, Saha R, Bhuiya S, Das S, Brandão P, **Ghosh D**, Bhowmik T, Bandyopadhyay P, Chattopadhyay D and Saha A. Syntheses of Zn(II) and Cu(II) Schiff base complexes using N,O donor Schiff base ligand: Crystal structure, DNA binding, DNA cleavage, docking and DFT study. **Polyhedron** **2018**: 114, 153-163.
- [11] Banerjee S., Ghorai P, Brandão P, **Ghosh D**, Bhuiya S, Chattopadhyay D, Das S and Amrita Saha. Syntheses, crystal structures, DNA binding, DNA cleavage, molecular docking and DFT study of Cu(II) complexes involving N₂O₄ donor azo Schiff base ligands. **New journal of Chemistry** **2018**. 42, 246-259. Citations = 01.
- [12] Vinayak R, Dey D, **Ghosh D**, Chattopadhyay D, Ghosh A and Nayek HP. Schiff base supported mononuclear organotin(IV) complexes: Syntheses, structures and fluorescence cell imaging. **Applied Organometallic Chemistry** **2017** <https://doi.org/10.1002/aoc.4122>.
- [13] D Ghosh*, ADasgupta, D Mukhopadhyay, O Bhattachajee, R Singh, V. Ravichandiran and D Chattopadhyay. Cancer Immunotherapy with Chimeric Antigen Receptor T Cells. **Book chapter Bioprospecting in Life Sciences** 2018 Chapter 12 page 124-148.
- [14] Khanra S, Sarraf NR, Das AK, **Roy S*** Manna M* (2017) Miltefosine Resistant Field Isolate From Indian Kala-Azar Patient Shows Similar Phenotype in Experimental Infection **Sci Rep** **2017**, 4;7(1):10330. (*Joint corresponding authors). Citations = 02.
- [15] Sukla S, **Roy S**, Sundar S and Biswas S. Leptomonas seymourinarna-like virus 1 and not leishmania viruses detected in kala-azar samples from India. **Arch Virol.** **2017**, 162(12):3827-3835. Citations = 3.

- [16] R. Vinayak, D. Dey, **D. Ghosh**, D. Chattopadhyay, A. Ghosh, H. P. Nayek. Schiff Base supported mononuclear organotin(IV) complexes: Syntheses, structures and fluorescence cell imaging. **Applied Organometallic Chemistry**, 2017, 32, 3. DOI: <https://doi.org/10.1002/aoc.4122>.
- [17] Chatterjee S, Hintermann L, Mandal M, Achari A, **Gupta S**, Jaisankar P. Fiaud's Acid: A Brønsted Acid Catalyst for Enantioselective Friedel-Crafts Alkylation of Indoles with 2-Alkene-1,4-diones. **Org Lett**. 2017, 19, 3426-3429. Citations = 01.
- [18] **Parag Savla**, Gaurav Das, Prasenjit Mondal, Rahul Laxman Gajbhiye, Parasuraman Jaisankar, Surajit Ghosh, Methanolic Extract of Papaya Leaves Shows Neuroprotective Effect, **Chemistry Select**, 2017, DOI: 10.1002/slct.201701656.
- [19] **KK Roy***. Targeting the active site of malaria proteases for antimalarial drug discovery: approaches, progress and challenges, **Int. J. Antimicrobial Agents**, 2017, 50, 287-302. (*Corresponding author). Citations = 03.
- [20] **GPPazhani, V. Ravichandiran, M. Veerapandian**, Ramamurthy T. Bioinformatics on Unproven Secretion Systems of *Vibrio Parahaemolyticus*. **Sci J Biomed Eng Biomed Sci**. 2017; 1, 020-025.
- [21] O. Havranek, J. Xu, S. Köhrer, Z. Wang, L. Becker, J. M. Comer, J. Henderson, W. Ma, J. M. C. Ma, J. R. Westin, **D. Ghosh**, N. Shinnars, L. Sun, A. F. Yi, A. R. Karri, J. A. Burger, T. Zal and R. E. Davis. Tonic B-cell receptor signaling in diffuse large B-cell lymphoma. **Blood** 2017, 130, 995-1006. Citations = 12.
- [22] **M. Veerapandian**, P.K. Avti, **V. Ravichandiran**. Ruthenium bipyridine sensitized MoO₃ multifunctional nanostructures: Study of opto-electrochemical properties, biocompatibility and bioimaging. **Colloids and Surface B: Biointerfaces**, 2017, 154, 1315-1320.
- [23] M.B. Gumpu, **M. Veerapandian**, U.M. Krishnan, J.B.B. Rayappan. Simultaneous electrochemical detection of Cd (II), Pb (II), As (III) and Hg (II) ions using ruthenium (II)-textured graphene oxide nanocomposite. **Talanta**, 2017, 162, 574-582. Citations = 12.

- [24] **YP Bharitkar**, S Datta, S Sett, N Marathe, P Khan, **A Hazra**, **M Singh**, ASahoo, S Ghosh, SMondal, AK Mitra, **V. Ravichandiran**, Nirup B. Mondal. In Vitro Antimicrobial, Antiproliferative and Antioxidant Activities of Bis Pyrrolizidine Fused DispiroOxindoloCurcuminoids. **Chemistry & Biology Interface**, 2017,7 ,19-31. Citations = 1.
- [25] M. Marimuthu, P.K. Avti, **V. Ravichandiran**, **M. Veerapandian**, Hybridized Graphene Nanomaterials for Drug Delivery, Cyto-Compatibility and Electrochemical Biosensor Application. Editor: A.M. Grumezescu, 2017, Elsevier Publication (*In Press*)
- [26] **V. Ravichandiran**, **M. Veerapandian**, K.T. Manisenthil Kumar. Kampo medicine for renal inflammatory conditions, In. Japanese Kampo Medicines for the Treatment of Inflammatory. Editors: SomasundaranArumugam and Kenichi Watanabe, 2017 Elsevier Publication (*In Press*).
- [27] FatemaCalcuttawala, ChellaramHariharan, **Gururaja P. Pazhani**, Dhira Rani Saha and Thandavarayan Ramamurthy. Characterization of E-type Colicinogenic Plasmids from *Shigellasonnei*. **FEMS Microbiology Letters**2017, 364, no7.
- [28] Anirban Ash, **Yogesh P. Bharitkar**, SanatanMurmu, Pradip Kumar Kar, **Hazra A**, Ravichandiran V., NirupBikashMondal. Ultrastructural changes in *Raillietina* (Platyhelminthes: Cestoda), exposed to Sulfonoquinovosyldiacylglyceride (SQDG), isolated from Neem (*Azadirachtaindica*).**Natural Product Research**,2017, 2445-2449.
- [29] Vijayalakshmi A, Geetha M, **Ravichandiran V**. Quantitative evaluation of the antipsoriatic activity of flavonoids from Cassia tora Linn. Leaves. **Iran J Sci Technol Trans Sci.**, 2017; 41:307-312.
- [30] S. Jayakumari, **V. Ravichandiran**. Inhibitory effect Terminalia chebula, Sidarhombifolia, Leucascephalotes on inflammatory key enzymes. **Research J. Pharm. and Tech.** 2017; 10(1): 233-238.
- [31] **Ravichandiran V**, Veerapandian M, Manisenthil Kumar KT. Kampo medicine for renal inflammatory conditions. Japanese kampo medicines for the treatment of common diseases: **Focus on inflammation.** 2017;111-125.

- [32] L. Vuppalapatia, V. Ravichandiran, K.F.H. NazeerAhamed, S. Cherukuri, B.R. Kesavan. The protective effect of dietary flavonoid fraction from *Acanthophoraspicifera* on streptozotocin induced oxidative stress in diabetic rats. **Food Science and Human Wellness**, 2016, 5 (2), 57-64.Citations = 2.
- [33] Das B, **Pazhani GP**, Sarkar A, Mukhopadhyay AK, Nair GB, Ramamurthy T. Molecular evolution and functional divergence of *Vibrio cholerae*. **CurrOpin Infect Dis**. 2016 Oct; 29(5): 520-7.Citations = 3.
- [34] Chowdhury G, Bhadra RK, Bag S, **Pazhani GP**, Das B, Basu P, Nagamani K, Nandy RK, Mukhopadhyay AK, Ramamurthy T. Rugose atypical *Vibrio cholerae* O1 El Tor responsible for 2009 cholera outbreak in India. **J Med Microbiol**. 2016 Oct; 65(10):1130-1136.Citations = 6.
- [35] Chowdhury G, **Pazhani GP**, Sarkar A, Rajendran K, Mukhopadhyay AK, Bhattacharya MK, Ghosh A, Ramamurthy T. Carbapenem Resistance in Clonally Distinct Clinical Strains of *Vibrio fluvialis* Isolated from Diarrheal Samples. **Emerg Infect Dis**. 2016 Oct; 22(10):1754-61.Citations = 2.
- [36] S. Chattopadhyay, A. Haresh G. Basu, Effect of introducing Aib in a designed helical inhibitor of Hdm2- p53 interaction: A molecular dynamics study, **Biopolymers**2016,106, 51-61, doi: 10.1002/bip.22761. [Impact factor 2.385].
- [37] B. Chakraborty, N. V. Sejpal, P. V. Paygan, N. Ghosal, J. Sengupta. Structure-based designing of sordarin derivative as potential fungicide with pan-fungal activity, **Journal of Molecular Graphics and Modelling**2016, 66, 133-142. [Impact factor: 1.95].
- [38] U. Pal, M. Maity, N. Khot, S. Das, S. Das, S. Dolui, N. C Maiti. Statistical insight of binding regions in disordered human proteome, **J. Proteins and Proteomics** 2016, 7, 47-60.Citations = 1.
- [39] Vijayalakshmi A, Ravichandiran V, Masilamani K. Inhibition of cyclooxygenase activity by standardized extract of *Givotiarottleriformis* Griff. Ex Wight bark. **Indian Journal of Natural Products and Resources**. 2016; 7(4):269-276.
- [40] Ravichandiran V, Masilamani K, Senthilnathan B, Maheswaran A, Wui WT, Roy P. Quercetin-decorated curcumin liposome design for cancer therapy: In vitro and in vivo studies. **Current Drug Delivery**. 2016; 33(29).Citations = 2.

- [41] Nirmala S, **Ravichandiran V**, Vijayalakshmi A. In vitro assay of alpha amylase inhibitory activity of gymnemic acid isolated from *GymnemaSylvestre* leaves **DerPharmaciaLettre**, **2016**,8(20):29-32.
- [42] Sumithra M Shanmugasundaram P, **Ravichandiran V**. Quality by design-based optimization and validation of new reverse phase-high-performance liquid chromatography method for simultaneous estimation of levofloxacin hemihydrate and ambroxol hydrochloride in bulk and its pharmaceutical dosage form **Asian J Pharm Clin Res**, **Vol 9, Suppl. 3, 2016**, 190-196.
- [43] E. Shanmugapriya, V. Ravichandiran, M. VijeyAanandhi. Molecular docking studies on naturally occurring selected flavones against protease enzyme of Dengue virus. **Research J. Pharm. and Tech.** **2016**; 9(7):929-932.
- [44] Nirmala S, Ravichandiran V. Evaluation of free radical scavenging capacity of gymnemic acid isolated from *Gymnemasylvestre* leaves. **International Journal of ChemTech Research**, **2016**,9(7),pp 248-254.
- [45] **Ravichandiran V**, Sumithra M. Application of quality by design (CCD technique) for simultaneous estimation of cefixime and ofloxacin by HPTLC method. **Int J Pharm PharmSci**, **2016**; Vol 8, Issue 7, 200-208.
- [46] Vijayalakshmi A, **Ravichandiran V**, Jayakumari S, Selvakannan A, Sangeetha G. Molecular docking studies of tubulosine against multidrug resistant tuberculosis. **Der PharmaChemica**, **2016**,8 (19):249-256.
- [47] Lavakumar V, Masilamani K, Ravichandiran V, Sowmya , Sai Gopal DVR. Promising upshot of silver nanoparticles primed from *Gracilariacressa* against bacterial pathogens. **Chemistry Central Journal** **2015**; 9(1):42:1-8. Citations = 6.
- [48] K. Mal, A. Kaur, F. Haque, I. Das, PPh3.HBr-DMSO: A Reagent System for Diverse Chemoselective Transformations **J. Org. Chem. [Article]**, **2015**, 80, 6400-6410. [‡These authors contributed equally] **One of the Top 20 most read articles [most downloaded articles] in the month of May, 2015. [Impact factor: 4.72].** Citations = 13.
- [49] Kumar, D., Tejaswi, C., Rasamalla, S., Mallick, S., Pal, B.C. Bio-assay Guided Isolation of Anti-cancer Compounds from *Anthocephaluscadamba* Bark. **Natural Product Communications** **2015**, 10, 1349-1350. [Impact factor: 0.906]. Citations = 1.

- [50] A. Das, A. Panda D. Singh, M. M. Chandrababunaidu, G. P. Mishra, S. Bhan, S. P. Adhikary, S. Tripathy. Deciphering the Genome Sequences of the Hydrophobic Cyanobacterium *Scytonematolypothrichoides* VB-61278. *Genome Announc.* **2015** Apr 2; 3[2]. pii: e00228-15. doi: 10.1128/genomeA.00228-15. Citations = 1.
- [51] S. Das, D. Singh, M. Madduluri, M. M. Chandrababunaidu, A. Gupta, S. P. Adhikary, S. Tripathy. Draft Genome Sequence of Bioactive-Compound-Producing Cyanobacterium *Tolypothrixcampylonemoides* Strain VB511288. *Genome Announc.* **2015** Apr 2; 3[2]. pii: e00226-15. doi: 10.1128/genomeA.00226-15. PubMed PMID: 25838485. Citations = 1.
- [52] T. Y. Chaudhari, A. Hossian, M. K. Manna and R. Jana. Chemo-, regio-, and stereoselective Heck–Matsuda arylation of allylic alcohols under mild conditions. *Organic and Biomolecular Chemistry* **2015**, *13*, 4841. [Impact factor: **3.56**]. Citations = 2.
- [53] Y. P. Bharitkar, S. Kanhar, N. Suneel, S. K. Mondal, A. Hazra*, N. B. Mondal, Chemistry of withaferin-A: chemo, regio, and stereoselective synthesis of novel spiro-pyrrolizidino-oxindole adducts of withaferin-A via one-pot three-component [3+2] azomethine ylide cycloaddition and their cytotoxicity evaluation *Mol. Divers* **2015**, *19*: 251–261. [Impact factor: **1.896**]. Citations = 10.
- [54] Y. P. Bharitkar, A. Hazra*, S. Shah, S. Saha, A. K. Matoori & N. B. Mondal. New flavonoid glycosides and other chemical constituents from *Clerodendrum phlomidis* leaves: isolation and characterisation, *Natural Product Research* **2015**, *29*, 1850–1856, DOI: 10.1080/14786419.2015.1009457. [Impact factor: **0.92**]. Citations = 3.
- [55] Y.P. Bharitkar, M. Das, N. Kumari, M. Padma Kumari, A. Hazra*, S., S. Bhayye, R. Natarajan, S. Shah, S. Chatterjee, N. B. Mondal. Synthesis of Bis-pyrrolizidine-Fused Dispiro-oxindole Analogues of Curcumin via One-Pot Azomethine Ylide Cycloaddition: Experimental and Computational Approach toward Regio- and Diastereoselection. *Organic Letters* **2015**, *17*, 4440–4443. [Impact factor: **6.36**]. Citations = 9.
- [56] S. Nath Das, A. Chowdhury, N. Tripathi, P. K. Jana S. B. Mandal, Exploitation of in situ generated sugar-based olefin keto-nitrones: synthesis of carbocycles, heterocycles and nucleoside derivatives; *J. Org. Chem.* **2015**, *80*, 1136–1148. [Impact factor: **4.72**]. Citations = 9.

- [57] V. K. Gupta, N. M. Chaudhari, S. Iskepalli and C. Dutta; Divergences in gene repertoire among the reference *Prevotella* genomes derived from distinct body sites of human. **BMC Genomics** 2015, 16, DOI 10.1186/s12864-015-1350-6. [Impact factor 3.986]. Citations = 10.
- [58] Manjuladevi K, Dhanalakshmi M, Thenmozhi S, Sarumathy S, Ravichandiran V. Antioxidant activity and cytotoxic potential of hydroalcoholic extract of *Salaciafructicosa*(root) – In vitro. **International journal of pharmacy and pharmaceutical Sciences**, 2015; 7(7):91-96.
- [59] SarfarajHussainMd, Azam F, NazeerAhamed KFH, Ravichandiran V, Alkskas I. Anti-endotoxin effects of terpenoids fraction from *Hygrophilaauriculata* in lipopolysaccharide-induced septic shock in rats. **Pharmaceutical biology**. 2015;1-9. Citations = 5.
- [60] Ravichandiran V, Patil SV, Shanmugarajan TS. Study of biomedical efficacy of beta asarone against pancreatitis rats. **Int. Res.J.Pharm.** 2015; 6(9):682-688.
- [61] Sasi P, Ravichandiran V, Sumithra M. Study of cancer causing food product material analysis by using UV spectroscopy. **Int. J. PharmTech Res.** 2015; 8(4):514-520.
- [62] Malarkodi V, **Ravichandiran V**. Evaluation of diuretic and anti urolithiatic activity of the whole plant *Abutilon indicum* methanolic extract in albino rats. **Int.J.Pharm.Sci.Rev.Res.** 2015; 32(2):227-230.
- [63] Maheswari P, Ravichandiran V, Kumar HBK, Sreelekha VSK, Baig TS, Shahel SN. Prescribing patterns of antibiotics in paediatrics for respiratory tract infections/disorders in tertiary care hospital. **Asian J Pharm Clin Res, Vol 8, Issue 4, 2015**, 259-261. Citations = 1.
- [64] Maheswari P, Usha K, Sarumathy S, Ravichandiran V. The prospective study on quality of life with assessment of hemoglobin levels in chronic kidney disease patients. **RJPBS.** 2015; 6(5): 480-487.
- [65] Ravichandiran V, Manivannan S. Wound healing potential of transdermal patches containing bioactive fraction from the bark of *Ficus racemosa*. **Int J Pharm Pharm Sci.**, 2015; 7(6):326-332.
- [66] P. Maheshwari, M. Divya, T.S. Shanmugarajan, V. Ravichandiran, A Prospective Study on Health Related Quality of Life among Hypertensive Patients **RJPT.**2015;8(9):1221-1224.

- [67] Maheshwari P, Praveen D, Ravichandiran V. A study on patients awareness on rational use of antibiotics and its resistance. **Asian J Pharm Clin Res, Vol 8, Issue 3, 2015**, 204-206.
- [68] NagarjunaYadav BV, Ravichandiran V, Satheshkumar S. Polymeric nanoparticulate drug delivery for treatment of brain cancer - A review. **Int.J. PharmTech Res. 2015**,8(2):280-288.
- [69] S. N. Das, R. Rana, S. Chatterjee, G. Suresh Kumar and S. B. Mandal, Ringclosing metathesis and glycosylation reactions: synthesis and biophysical studies of polyether-linked carbohydrate-based macrocyclic nucleosides; **J. Org. Chem. 2014**, 79, 9958–9969. [Impact factor: 4.72]. Citations = 9.
- [70] A. Kumar, S. Roy Choowdhury, T. Chakrabarti, T. K Majumdar, T. Jha, S. Mukhopadhyay, “A New Ellagic Acid Glycoside and DNA Topoisomerase IB Inhibitory Activity of Saponins from *Putranjivaroxburghii*” **Natural Product Communications 2014**, 9, 675-677. [Impact factor: 0.906]. Citations = 2.
- [71] S. K. Dokuparthi, N. Banerjee, A. Kumar, V. Singamaneni, A. K. Giri, S. Mukhopadhyay, “Phytochemical Investigation and Evaluation of Antimutagenic Activity of Extract of *Cuscuta reflexa* Roxb by Ames Test” **International Journal of pharmaceutical Sciences and Research 2014**, 5, 1000-1004. [Impact factor: 1.79]. Citations = 4.
- [72] S. Nath Das, P. Krishna K and S. B. Mandal, Synthesis of monoglycosides, bisglycosides and open-chain ketoacetals from sugar derived exocyclic enol ethers; **RSC Advances, 2014**, 4, 29542–29548. [Impact factor: 3.84].
- [73] Saini, P., Gayen, P., Kumar, D., Nayak, A., Mukherjee, N., Mukherjee, S., Pal, B.C., Sinha Babu S.P. Antifilarial effect of ursolic acid from *Nyctanthes arbor-tristis*: molecular and biochemical evidences. **Parasitology International 2014**, 63, 717-728 [Impact factor: 1.860]. Citations = 15.
- [74] Saini, P., Mukherjee, N., Mukherjee, S., Roy, P., Gayen, P., Kumar, D., Pal, B.C., Babu, S.P.S. *Diospyros perigrina* barks extract induced apoptosis in filarial parasite *Setaria cervi* through generation of reactive oxygen species. **Pharmaceutical Biology 2014**, 53, 813-823. [Impact factor: 1.241]. Citations = 1.
- [75] Das, R., Bhattacharya, K., Samanta, S.K., Pal B.C., Mandal, C. Improved chemosensitivity in cervical cancer to cisplatin: synergistic activity of mahanine through STAT3 inhibition. **Cancer Letters 2014**, 351, 81-90 [Impact factor: 5.621]. Citations = 25.

- [76] Bhattacharya K, Bag A.K., Tripathi R, Samanta S.K., Pal B.C., Shaha C, Mandal,C. Mahanine, a novel mitochondrial complex-III inhibitor induces G0/G1 arrest throughedox alteration-mediated DNA damage response and regresses glioblastomamultiforme. **American Journal of Cancer Research 2014**. 4, 629-647 [Impact factor:4.165].Citations = 22.
- [77] Kumar, D., Ghosh, R., Pal, B. C. α -Glucosidase inhibitory terpenoidsfrom*Potentillafulgens*L. and their quantitative estimation by validated HPLC method.**Journal of Functional Foods 2013**, 5, 1135-1141. [Impact factor: 3.973].Citations = 22.
- [78] Kumar, D., Gupta, N., Ghosh, R., Gaonkar, R. H., Pal, B. C. α -Glucosidase and α -amylase inhibitory constituent of *Carexbaccans*: Bio-assay guided isolation andquantification by validated RP-HPLC-DAD. **Journal of Functional Foods 2013**, 5, 211-218 [Impact factor: 3.973].Citations = 18.
- [79] Kumar, D., Datta, S., Gaonkar, R. H., Roy, S. S., Vedasiromoni, J. R., Ghosh,R.,Pal, B. C. Bioactivity-guided isolation and quantification of anti-diabetic principlein*Holarrhenaantidysenterica*L. [Wall], in-vitro. **Journal of Herbs, Spices & MedicinalPlants 2013**, 19, 54-63.Citations = 3.
- [80] Kumar, D., Shah, V., Ghosh, R., Pal, B. C. A new triterpenoid saponinfrom*Glinusoppositifolius*with α -glucosidase inhibitory activity. **Natural Product Research 2013**,27, 624-630. [Impact factor: 0.919].Citations = 14.