

## List of Scientific Publications

- [1] Anirban Ash, Yogesh P. Bharitkar, Sanatan Murmu, Pradip Kumar Kar, Hazra A.; Ravichandiran V., Nirup Bikash Mondal. Ultrastructural changes in Raillietina (Platyhelminthes: Cestoda), exposed to Sulfonoquinovosyldiacylglyceride (SQDG), isolated from Neem (*Azadirachta indica*). *Natural Product Research*, 2017 (Accepted-under proof correction).
- [2] Fatema Calcuttawala, Chellaram Hariharan, Gururaja P. Pazhani, Dhira Rani Saha and Thandavarayan Ramamurthy. Characterization of E-type Colicinogenic Plasmids from *Shigella sonnei*. *FEMS Microbiology Letters*. 2017 (In Press).
- [3] V. Ravichandiran, M. Veerapandian, K.T. Manisenthil Kumar. Kampo medicine for renal inflammatory conditions, In. *Japanese Kampo Medicines for the Treatment of Inflammatory*. Editors: Somasundaran Arumugam and Kenichi Watanabe, 2017 Elsevier Publication (In Press).
- [4] 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)
- [5] 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
- [6] M. Veerapandian\*, P.K. Avti, V. Ravichandiran. Ruthenium bipyridine sensitized MoO<sub>3</sub> multifunctional nanostructures: Study of opto-electrochemical properties, biocompatibility and bioimaging. *Colloids and Surface B: Biointerfaces*, 154 (2017) 315-320.
- [7] 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.* 364, 287–299 (2018). 2014 Impact Factor: 3.867
- [8] 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 PfDHODH and SAR of lapachol-based compounds", *Eur. J. Med. Chem.* 145, 190–205 (2018). 2016 Impact Factor: 4.519
- [9] KK Roy. [Corresponding author]. "Targeting the Active Sites of Malarial Proteases for Antimalarial Drug Discovery: Approaches, Progress and Challenges", *Int. J. Antimicrob. Agents.* 50, 287–302 (2017). 2016 Impact Factor: 4.307.
- [10] Mondal K and Roy S, (2018) Response of B Lymphocyte During Leishmania Infection *Molecular Biology of Kinetoplastid Parasites*, pages 39-66, **Publisher:** Caister Academic Press **Edited by:** H K. Majumder
- [11] Chakraborty A, Kurati SP, Mahata SK, Sundar S Roy S and Sen M (2017) Wnt5a Signaling Promotes Host Defense against *Leishmania donovani* Infection. *J Immunol* 199: 992-1002.
- [12] 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* 4;7(1):10330. (\*Joint corresponding authors)
- [13] Sukla S, Roy S, Sundar S and Biswas S (2017) *Leptomonas seymouri* narna-like virus 1 and not leishmania viruses detected in kala-azar samples from India. *Arch Virol.* 162(12):3827-3835.
- [14] Khanra, S., Sarraf, N.R., Lahiry, S., Roy.,S., Manna M (2017) *Leishmania* genomics: a brief account. *The Nucleus* 60, 227–235 .
- [15] 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. Ghorai P, Saha R, Bhuiya S, Das S, Brandão P, Ghosh D, Bhowmik T, Bandyopadhyay P, Chattopadhyay D and Saha A. *Polyhedron* 2018: 114, 153-163.
- [16] Syntheses, crystal structures, DNA binding, DNA cleavage, molecular docking and DFT study of Cu(II) complexes involving N<sub>2</sub>O<sub>4</sub> donor azo Schiff base ligands. Banerjee S., Ghorai P, Brandão P, Ghosh D, Bhuiya S, Chattopadhyay D, Das S and Amrita Saha. *New journal of Chemistry* 2018. 42, 246-259.

- [17] Schiff base supported mononuclear organotin(IV) complexes: Syntheses, structures and fluorescence cell imaging. Vinayak R, Dey D, Ghosh D, Chattopadhyay D, Ghosh A and Nayek HP. Applied organometallic Chemistry 2017 <https://doi.org/10.1002/aoc.4122>
- [18] Cancer Immunotherapy with Chimeric Antigen Receptor T Cells Dipanjan Ghosh\*, Adhiraj Dasgupta, Debasmita Mukhopadhyay, Oindrila Bhattachajee, Rajveer Singh, V. Ravichandiran and Dhrubajyoti Chattopadhyay: Book chapter Bioprospecting in Life Sciences 2018 Chapter 12 page 124-148

#### ABSTRACTS IN INTERNATIONAL CONFERENCES/MEETINGS (2017-18).

1. P Pandey; KK Roy and RJ Doerksen. Negative Allosteric Modulators of the Cannabinoid Receptor 2: Protein Modeling, Binding Site Identification and Molecular Dynamics Simulations in the Presence of an Orthosteric Agonist. The 255th ACS National Meeting and Exposition, New Orleans, USA (March 18-22, 2018).
2. P Pandey; A Aderibigbe; KK Roy and RJ Doerksen. Active-state Cannabinoid 1 (CB1) Receptor: Protein Modeling and Comparison to Recently Published X-Ray Structures of the Inactive-state and Active-state CB1 Receptors. The 255th ACS National Meeting and Exposition, New Orleans, USA (March 18-22, 2018).
3. P Pandey; KK Roy and RJ Doerksen. Protein Structure-Based Virtual Screening: Identification of Potent Natural Product-Chemotypes as Cannabinoid Receptor 1 Inverse Agonists. The 15th Annual Meeting of MCBIOS, MS, USA (March 29-31, 2018).
4. KA Hossain and KK Roy. Structural Basis of the Inhibition of Plasmodium falciparum Falcilysin. International Conference on Anti-microbial Resistance (AMR), Organized by NIPER-Kolkata and ICMR-NICED, Kolkata, WB (Feb 15-17, 2018).
5. D. Jyothi and KK Roy. Binding Site Characterization and Protein-Ligand Interaction Analysis Targeting Dengue Virus RNA-Dependent RNA Polymerase Domain. International Conference on Anti-microbial Resistance (AMR), Organized by NIPER-Kolkata and ICMR-NICED, Kolkata, WB (Feb 15-17, 2018).
6. R. Vanitha; A. Gautam and KK Roy. Understanding of Genetic Architecture of Drug Resistance in Malaria. International Conference on Anti-microbial Resistance (AMR), Organized by NIPER-Kolkata and ICMR-NICED, Kolkata, WB (Feb 15-17, 2018).
7. W Padmaja D; V Ravichandiran and KK Roy. Structure-based Virtual Screening for the Identification of Dual Kinase-Bromodomain Inhibitors for the Treatment of Drug Resistant Cancers. Poster Presentation in International Conference on Drug Design 2017 (ICDD-2017), JNU, New Delhi. (April 7-9, 2017).
8. KS Kumar; V Ravichandiran and KK Roy. Drug Repurposing for Osteoarthritis: Structure-based Virtual Screening of FDA-approved drug(s) to Identify Selective Inhibitors of the Human Matrix Metalloproteinase 13. Poster Presentation in International Conference on Drug Design 2017 (ICDD-2017), JNU, New Delhi (April 7-9, 2017).

#### **Publication Summary**

| <b>Year of Publications</b> | <b>Number of Publications</b> |
|-----------------------------|-------------------------------|
| 2016                        | <b>09</b>                     |
| 2015                        | <b>14</b>                     |
| 2014                        | <b>11</b>                     |
| 2013                        | <b>08</b>                     |
| 2012                        | <b>09</b>                     |
| 2011                        | <b>02</b>                     |
| 2010                        | <b>01</b>                     |