

List of publication:

- Identification of selective inhibitors of Helicobacter pylori IMPDH as a targeted therapy for the infection; Kapil Juvale^{1,4,#}, Gayathri Purushothaman^{2,#}, Vijay Singh², Althaf Shaik¹, Srimadhavi Ravi¹, **Vijay Thiruvengatam**^{2,3}, Sivapriya Kirubakaran^{1,2*} Scientific Reports, **2018 (Accepted)** (IF 4.12)
- Design, synthesis, and biological evaluation of Helicobacter pylori inosine 5' monophosphate dehydrogenase (HpiMPDH) inhibitors Niteshkumar U. Sahu¹, Gayathri Purushothaman², **Vijay Thiruvengatam**^{2,3}, Prashant S. Kharkar¹ Drug Development Research, 1–8, **2018** (IF 2.646)
- Exploring solvated dimer of Gefitinib: A quantitative analysis Deekshi Angira, Althaf Shaik, Sivapriya Kirubakaran and **Vijay Thiruvengatam**^{*}, Acta Crystallographica Section C: Structural Chemistry, C74, 944-950, **2018** (IF 8.67)
- A quantitative and qualitative analysis of intermolecular interactions in substituted xanthenedione derivatives; Gayathri Purushothaman and **Vijay Thiruvengatam**^{*}, Acta Crystallographica Section C: Structural Chemistry, 74, 7, **2018** (IF 8.67)
- High yield bacterial expression, purification and characterisation of bioactive Human Tousel-like Kinase 1B involved in cancer; Siddhant Bhoir, **Vijay Thiruvengatam**[#], Sivapriya Kirubakaran^{*}, Scientific Reports, 8 (1), 4796, **2018** (IF 4.12)
- Gamma secretase activating protein as profound target for Alzheimer's disease (MS091. P01) D Angira, **V Thiruvengatam**; Acta Cryst 70, C1187, **2017** (IF 7.93)
- Structural means of assessing the association of hamartin and tuberlin (MS063. P01) N Natarajan, **V Thiruvengatam**; Acta Cryst 70, C993, **2017** (IF 7.93)
- CD 151 – A membrane protein via X-ray Crystallography (MS010. P05) G Purushothaman, **V Thiruvengatam**; Foundations of Crystallography 70, C393, **2017** (IF 7.93)
- Effect of co-crystallization on physico-chemical properties of gefitinib (MS075. P07) P Palanisamy, A Shaik, S Kirubakaran, **V Thiruvengatam**; Acta Cryst 70, C725, **2017** (IF 7.93)
- Role of =NOH intermolecular interactions in oxime derivatives via Crystal structure, Hirshfeld surface, PIXELC and DFT calculations, Gayathri Purushothaman, **Vijay Thiruvengatam**; Journal of Molecular Structure; 1148, 371-380, **2017** (IF 2.01)
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- Development of potent and selective inhibitors for ATR: An adjuvant for DNA damage based chemotherapeutics, S Kirubakaran; **V Thiruvengatam**; A Shaik Cancer Research 77 (13-Supplement), 3235-3235, **2017**
- Water-mediated intermolecular interactions in 1, 2-O-cyclohexylidene-myo-inositol: a quantitative analysis, G Purushothaman; K Juvale; S Kirubakaran; PK Vemula; **V Thiruvengatam**, Acta Crystallographica Section C: Structural Chemistry 73 (1), 20-27, **2017**
- Structural investigation and in-silico characterization of plasmepsins from Plasmodium falciparum; Divya Nair, Vijay Singh, Deekshi Angira, **Vijay Thiruvengatam**^{*} Journal of Proteomics & Bioinformatics, 9(7), 181-195, **2016**

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List of Patents:

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4. Novel compounds for treating H pylori infection and related gastric cancer: Pharmaceutical composition and process for preparing the same: Kirubakaran Sivapriya; **Thiruvenkatam, Vijay**; Juvale, Kapil; Singh, Vijay; Purushothaman, Gayathri and Shaik, Althaf" *Indian Patent Office*, Patent Application No.: 201621024723, Jul. 19, 2016.