**DR. Omprakash Tanwar**

**Email:** [op0816@gmail.com](mailto:op0816@gmail.com)

**CURRENT AFFILIATION:**

**EDUCATION:** PhD (Jamia Hamdard, New Delhi, 2015);M. Pharm (RGPV Bhopal, MP, 2008); B. Pharm (GRYI, Borawan, MP, 2005)

**RESEARCH TITLE: Computational Design, Synthesis of some Heterocyclic Compounds and their Evaluation against Dipeptidyl Peptidase-4**

**REGISTRATION NO:** 2010-782-006 **REGISTRATION DATE:** --

**SUPERVISOR: Dr. Mymoona Akhtar** **CO-SUPERVISOR-1: Dr. M. Mumtaz Alam**

**FELLOWSHIP:** ICMR-SRF

**PUBLICATIONS:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No** | **Title** | **Authors** | **Journal name, Year, Volume, Page Nos** | **Impact Factor** |
|  | Computational studies indicated the effectiveness of human metabolites against SARS-Cov-2 main protease | Rajarshi Roy, Md Fulbabu Sk, **Omprakash Tanwar**, Parimal Kar, (**2022**) | *Molecular Diversity* doi.org/10.1007/s11030-022-10513-6 | 3.364 |
|  | Ethyl Pyruvate as a Potential Defense Intervention against Cytokine Storm in COVID-19? | Omprakash Tanwar\*, Aastha Soni, Pawan Prajapat, Tanu Shivhare, Pooja Pandey, Puneet Kumar Samaiya, Sharad Prakash Pandey, and Parimal Kar | ACS OMEGA, 2021, 6, 11, 7754–7760 | 3.51 |
|  | Expansion of a novel lead targeting M. tuberculosis D.H.F.R. as antitubercular agents | Kalicharan Sharma, Omprakash Tanwar, Girdhar Singh Deora, S. Ali, M. M. Alam, M. S. Zaman, Vagolu Siva Krishna, Dharmarajan Sriram, Mymoona Akhter\* | Bioorg. Chem., 2019, 27 (7), 1421-1429, | 2.59 |
|  | Structural Comparison of Mtb-DHFR and h-DHFR for Design, Synthesis and Evaluation of Selective Non-Pteridine Analogues as Antitubercular Agents | Kalicharan Sharma, Omprakash Tanwar, Shweta Sharma, Shakir Ali, M.M. Alam, M.S. Zaman, Mymoona Akhter | Bioorganic Chemistry, 2018, 80, 319-333 | 3.92 |
|  | Pyrazole-Pyrazoline as Promising Novel antimalarial agents: A mechanistic study, | Gautam Kumar, Omprakash Tanwar, Jitender Kumar, Mymoona Akhter, Supriya Sharma, C.R. Pillai, Md Mumtaz Alam, M.S. Zama | European Journal of Medicinal Chemistry 2018, 149, 139-147. | 4.51 |
|  | Structure Based Virtual Screening of MDPI database: Discovery of Structurally diverse and Novel DPP-IV Inhibitors | **Omprakash Tanwar**, Lalima Tanwar, Md. Mumtaz Alam, Md. Shaquiquzzaman, Mymoona Akhter\* | Bioorganic & Medicinal Chemistry Letters, 2014, 24, 3447–3451 | 2.33 |
|  | Novel Hydrazine derivatives as selective DPP-IV inhibitors: Findings of Virtual Screening and Validation through Molecular Dynamics Simulations | **Omprakash Tanwar**, Girdhar Singh Deora, Lalima Tanwar, Gautam Kumar, Shridhara Janardhan, Md. Mumtaz Alam, Md. Shaquiquzzaman, Mymoona Akhtar\* | Journal of Molecular Modeling, 2014**,** DOI 10.1007/s00894-014-2118-7. | 1.98 |
|  | Pharmacophore based virtual screening, synthesis and SAR of novel inhibitors of Mycobacterium sulfotransferase | Rikta saha, **Omprakash Tanwar,** Md. Mumtaz Alam, Md. Shaquiquzzaman, Shah A. Khan, Mymoona Akhtar\* | Bioorganic & Medicinal Chemistry Letters, 2015, 25, 701–707 | 2.33 |
|  | Synthesis, 3D-QSAR and docking studies of pyrimidine nitrilepyrazoline: a novel class of hybrid antimalarial agents | Akranth Marella, Mymoona Akhter, Mohammad Shaquiquzzaman, **Omprakash Tanwar**, Garima Verma, Mohammad Mumtaz Alam\* | Medicinal Chemistry Research, 2014, DOI 10.1007/s00044-014-1188-5 | 1.61 |
|  | Synthesis and antimalarial activity of Quinoline substituted Furanone derivatives and their identification as selective Falcipain-2 inhibitors | Mymoona Akhter\*, Rikta Saha, **Omprakash Tanwar**, Md. Mumtaz Alam, M.S. Zaman | Medicinal Chemistry Research, 2014, DOI 10.1007/s00044-014-1139-1 | 1.61 |
|  | Synthesis and biological evaluation of some new pyrazoline substituted benzenesulfonylurea/thiourea derivatives as anti-hyperglycaemic agents and aldose reductase inhibitors | Syed Ovais, H. Pushpalatha, G. Bhanuprakash Reddy, Pooja Rathore, Rafia Bashir, Shafiya Yaseen, Alhamza Dheyaa, Raed Yaseen, **Omprakash Tanwar**, Mymoona Akthar, Mohammed Samim, Kalim Javed\* | European Journal of Medicinal Chemistry, 2014, 80, 209-217 | 3.49 |
|  | Pharmacophore Model Generation and 3D-QSAR Analysis of N-Acyl and N-Aroylpyrazolines for Enzymatic and Cellular B-Raf Kinase Inhibition | **Omprakash Tanwar**, Akranth Marella, Sandeep Shrivastava, M. Mumtaz Alam, Mymoona Akhtar\* | Medicinal Chemistry Research, 2013, DOI 10.1007/s00044-012-0210-z | 1.61 |
|  | 3D Quantitative Structure–Activity Relationship for Quinoline, Benzimidazole and Benzofuran-Based Analogs as Phosphodiesterases IV (PDE-IV) Inhibitors | Akranth Marella, **Omprakash Tanwar**, Rikta Saha, M. Mumtaz Alam, M. Shaquiquzzaman Zaman, Mymoona Akhter\* | Medicinal Chemistry Research, 2013, DOI 10.1007/s00044-012-0457-4 | 1.61 |
|  | Identification of ZINC02765569: A Potent Inhibitor of PTP-1B by vHTS | Prashant Joshi, Girdhar Singh Deora, Vandana Rathore, **Omprakash Tanwar**, ArunK Rawat, A. K. Srivastava, Deepti Jain\* | Medicinal Chemistry Research, 2013, 22, 28-34 | 1.61 |
|  | 3D-QSAR of Amino-Substituted Pyrido[3,2b]Pyrazinones as PDE-5 Inhibitors | **Omprakash Tanwar**, Rikta Saha, Md. Mumtaz Alam, Mymoona Akhtar\* | Medicinal Chemistry Research, 2012, 21, 202-11 | 1.61 |

**TEACHING EXPERIENCE:**

1. Engaged in teaching Post-graduate (Advanced Organic Chemistry, Process Chemistry and Chemistry of Natural Products) and Under-graduate students (Inorganic, Organic and Medicinal Chemistry)
2. Designed Practical courses in Pharmaceutical Chemistry for undergraduate students and postgraduate students

**SYMPOSIUM AND POSTER PRESENTATIONS:**

1. International Conference on Chemistry for Human Development 2018 by Asima Chatterjee Foundation Kolkata (08-10th Jan 2018)
2. Nominated for Charles D. Tenney International postdoctoral fellow, University of Tianjin, Tianjin, China (01-06th Dec 2014). Awarded international travel grant
3. Awarded international travel grant for International conference "Drug Discovery 2014", Manchester, U.K., (02-03rd Sep-2014)
4. Awarded international travel grant for International conference "Discovery Chemistry Congress" Munich, Germany, (13-14th Mar-2012)..

**PUBLICATIONS & PATENTS** (Google Scholar)**:**

**Number:** 20 (Till March, 2023) **Citations:** 990 **h-index**: 14 **i-10:** 19 **i-100:** NA **Patents:** 02

**BOOKS/ CHAPTERS/MONOGRAPHS/ PUBLISHED:** NA

**PROFESSIONAL CREDENTIALS:**

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**PROFESSIONAL MEMBERSHIP OF SOCIETIES:**

NA

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