

## Complete List of Publications

S.No.	Pub. No.	Title
1.	569	An update on the development on tubulin inhibitors for the treatment of solid tumors. Yakkala, P.A., Rahaman, S., Soukya, P.S.L., Begum, S.A., Kamal, A. <i>Expert Opinion on Therapeutic Targets</i> <b>2024</b> , 28, 193-220.
2.	568	Oxindoline containing thiazolidine-4-one tethered triazoles act as antimetabolic agents by targeting microtubule dynamics. Shahjahan, S., Naraharisetti, L.T., Begum, A., Yakkala, P.A., Soukya, P.S.L., Godugu, C., Begum, S.A., Kamal, A. <i>ChemistrySelect</i> <b>2024</b> , 9, e202400539
3.	567	PI3K and Tankyrase Inhibitors as Therapeutic Targets in Colorectal Cancer. Yakkala, P.A., Naaz, F., Shafi, S., Kamal, A. <i>Expert Opinion on Therapeutic Targets</i> <b>2024</b> , 28, 159-177.
4.	566	Converging thiolactone and quinoline scaffolds: New potential antitubercular conjugates. Azeeza, S., Malik, M.S., Alsimaree, A.A., Khan, I.A., Abdullah, S.T., Jamal, Q.M.S., Alzahrani, A.Y.A., Moussa Z., Asghar, B.H., Ahmed, S.A., Kamal, A. <i>J. Mol. Structures</i> <b>2024</b> , 1300, 137255.
5.	565	Prospects of Topoisomerase Inhibitors as Promising Anti-Cancer Agents. Yakkala, P.A., Penumallu, N.R., Shafi, S. Kamal, A. <i>Pharmaceuticals</i> , <b>2023</b> , 16, 1456.
6.	564	Multicomponent Domino Reaction for Concise Access to 2-Amino-Substituted 1,3,4-Oxadiazoles via Smiles Rearrangement. Yakkala, P.A.; Khan, I.A.; Dannarm, S.R.; Aboti, J.; Sonti, R.; Shafi, S.; Kamal, A. <i>J. Org. Chem.</i> <b>2023</b> , 88, 12216.
7.	563	Synthesis, biological evaluation and mechanistic studies of 4-(1,3-thiazol-2-yl)morpholine-benzimidazole hybrids as a new structural class of antimicrobials. Aaghaz, S.; Chander S. Digwal, C.S.; Naziya Neshat, N.; Indresh K. Maurya, I.K.; Vinod Kumar, V.; Kulbhushan Tikoo, K.; Jain, R.; Kamal, A. <i>Bioorg. Chem.</i> <b>2023</b> , 136, 106538.
8.	562	What are the challenges involved in the strategies for future antibody-drug conjugate discovery and development for oncology? Ahil, S.B.; Kamal, A., <i>Expert Opinion on Drug Discovery</i> , <b>2023</b> , 18, 591.

9.	561	Benzimidazole-linked pyrazolo[1,5- <i>a</i> ]pyrimidine conjugates: synthesis and detail evaluation as potential anticancer agents. Bagul, C.; Rao, G.K.; Veena, I.; Kulkarni, R.; Tamboli, J.R.; Akunuri, R.; Shaik S.P.; Bhadra M.P.; Kamal, A., <i>Mol. Diversity</i> <b>2023</b> , <i>27</i> , 1185.
10.	560	Antibacterial Properties and Computational Insights of Potent Novel Linezolid-Based Oxazolidinones. Malik, M.S.; Faazil, S.; Alsharif, M.A.; Jamal, Q.M.S.; Al-Fahemi, J.H.; Benerji, A.; Chattopadhyay, A.; Pal, S.K.; Kamal, A.; Ahmed, S.A., <i>Pharmaceuticals</i> <b>2023</b> , <i>16</i> , 516.
11.	559	Pyridine-Based 1,2,4-Triazolo-Tethered Indole Conjugates Potentially Affecting TNKS and PI3K in Colorectal Cancer. Yakkala, P.A.; Panda, S.R.; Naidu, V.G.M.; Shafi, S.; Kamal, A., <i>ACS Med. Chem. Lett.</i> <b>2023</b> , <i>14</i> , 260.
12.	558	New quinoline-thiolactone conjugates as potential antitubercular and antibacterial agents. Faazil, S.; Malik, M.S.; Ahmed, S.A.; Jamal, Q.M.S.; Basha, S.T.; Qurban, J.; Asghar, B. H.; Obaid, R.J.; Shaikh, I.N.; Kamal, A., <i>J. Mol. Structures</i> <b>2023</b> , <i>1271</i> , 134099.
13.	557	Synthesis and cytotoxic activity of 1,2,4-triazolo-linked bis-indolyl conjugates as dual inhibitors of tankyrase and PI3K. Yakkala, P.A.; Panda, S.R.; Shafi, S.; Naidu, V.G.M.; Shahar Yar, M.; Ubanako, P.N.; Adeyemi, S.A.; Kumar, P.; Choonara, Y.E.; Radchenko, E.V.; Palyulin, V.A.; Kamal, A., <i>Molecules</i> <b>2022</b> , <i>27</i> , 7642.
14.	556	COVID-19: vaccines and therapeutics, Ponnampalli, S.; Birudukota, N.V.S.; Kamal, A., <i>Bioorg. Med. Chem. Lett.</i> <b>2022</b> , <i>75</i> , 128987.
15.	555	Novel linezolid-based oxazolidinones as potent anticandidiasis and antitubercular agents Faazil, S.; Malik, M.S.; Ahmed, S.A.; Alsantali, R.I.; Yedla, P.; Alsharif, M.A.; Shaikh, I.N.; Kamal, A., <i>Bioorg. Chem.</i> <b>2022</b> , <i>126</i> , 105869.
16.	554	Novel approaches to the development of direct KRAS inhibitors: Structural insight and drug design. Sharma, A.; Yakkala, P.A.; Yar, M.S.; Shafi, S.; Kamal, A., <i>Expert Opinion on Drug Discovery</i> , <b>2022</b> , <i>17</i> , 247.
17.	553	Synthesis and characterization of novel combretastatin analogues of 1,1 diaryl vinyl sulfones, with antiproliferative potential via in silico and in vitro studies. Egharevba, G.; Kamal, A.; Dosumu, O.; Routhu S.; Fadare O.; Oguntoye S.; Njinga S.; Oluyori, A., <i>Scientific Reports.</i> , <b>2022</b> , <i>12</i> , 1901.

18.	552	Stereoselective synthesis of (Z)-1,3-bis ( $\alpha,\beta$ -unsaturated carbonyl)-isoindolines from aldehydes and phenacyl azides under metal free conditions. Prasad, B.; Phanindrudu, M.; Nanubolu, J.B.; Kamal, A.; Tiwari, D.K., <i>Chem. Commun.</i> , <b>2021</b> , 57, 9542.
19.	551	$\beta$ -Carboline tethered cinnamoyl 2-aminobenzamides as class I selective HDAC inhibitors: Design, synthesis, biological activities and modelling studies. Namballa, H.K.; Anchi, P.; Manasa, K.L.; Soni, J.P.; Godugu, C.; Shankaraiah, N.; Kamal, A., <i>Bioorg. Chem.</i> , <b>2021</b> , 117, 105461.
20.	550	Identification, characterization and evaluation of novel antifungal cyclic peptides from <i>Neobacillus drentensis</i> . Routhu, S.R.; Ragi, N.C.; Yedla, P.; Shaik, A.B.; Venkataraman, G.; Chandrasekhar, C.; Kumar, C.G.; Amanchy, R.; Sripadi, P.; Kamal, A., <i>Bioorg. Chem.</i> , <b>2021</b> , 115, 105180.
21.	549	New indenopyrazole linked oxadiazole conjugates as anti-pancreatic cancer agents: Design, synthesis, <i>in silico</i> studies including 3D-QSAR analysis. Khan, I.; Ganpathi, T.; Rehman, M.M.; Shareef, M.A.; Kumar, G.; Kamal, A., <i>Bioorg. Med Chem. Lett.</i> , <b>2021</b> , 44, 128094.
22.	548	$\beta$ -Carbolines as potential anticancer agents. Aaghaz, S.; Sharma, K.; Jain, R.; Kamal, A., <i>Eur. J. Med. Chem.</i> , <b>2021</b> , 216, 113321.
23.	547	In-silico driven design and development of spirobenzimidazoquinazolines as potential DNA gyrase inhibitors. Korrapati Suresh Babu S.K., Yedla P., Pillai G.G, Mohammad F, Reddy V.R., Bhamidipati P., Amanchy R, Syed R., Kamal A., <i>Biomed. Pharmacol.</i> , <b>2021</b> , 134, 111132.
24.	546	Identification and characterization of in vitro and in vivo fiderestat metabolites: Toxicity and efficacy evaluation of metabolites. Borkar, R.M.; Gajji, S.; Mohammed, S.A.; Srivastava, M; Reddy, C.G.; Jala, A; Asthana, S.; Kamal, A., Banerjee, S.K., <i>J. Mass Spectrometry</i> , <b>2021</b> , 56, e4694.
25.	545	Synthesis, biological evaluation, and molecular docking analysis of phenstatin based indole linked chalcones as anticancer agents and tubulin polymerization inhibitors. Kode, J.; Kovvuri, J.; Nagaraju, B.; Jadhav, S.; Barkume, M.; Sen, S.; Kasinathan, N.K., Chaudhari, P., Mohanty, B.S.; Gour, J.; Sigalapalli, D.K.; Kumar, C.G.; Pradhan, T.; Banerjee, M.; Kamal, A., <i>Bioorg. Chem.</i> , <b>2020</b> , 105, 104447.

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28.	542	Synthesis and biological evaluation of substituted N-(2-(1H-benzo[ <i>d</i> ]imidazol-2-yl)phenyl)cinnamides as tubulin polymerization inhibitors. Donthiboina, K.; Anchi, P.; Gurram, S.; Mani, G, S.; Uppa, J. L., Godugu, C.; Shankariah, N; Kamal, A., <i>Bioorg. Chem.</i> , <b>2020</b> , <i>103</i> , 104191.
29.	541	Synthesis of ( <i>Z</i> )-3-(arylamino)-1-(3-phenylimidazo[1,5- <i>a</i> ]pyridin-1-yl)prop-2-en-1-ones as potential cytotoxic agents. Mani, G, S.; Anchi, P.; Sunkari, S; Donthiboina, K.; Godugu, C.; Shankaraiah, N.; Kamal, A., <i>Bioorg. Med. Chem. Lett.</i> , <b>2020</b> , <i>30</i> , 127432.
30.	540	Discovery of Novel Tankyrase Inhibitors through Molecular Docking-based Virtual Screening and Molecular Dynamics simulation Studies. <a href="#">Palyulin, V.A.</a> ; <a href="#">Berishvili, V.P.</a> ; Kuimov, A.N.; Voronkov, A.E., <a href="#">Radchenko, E.V.</a> ; Kumar, P.; <a href="#">Choonara, Y. E.</a> ; <a href="#">Pillay, V.</a> ; <a href="#">Kamal, A.</a> <i>Molecules</i> , <b>2020</b> , <i>25</i> , 3171.
31.	539	Design and Synthesis of 5-Morpholino-Thiophene-Indole/Oxindole Hybrids as Cytotoxic Agents. Yadav, U.; Sakla, A.P; Tokala, R.; Nyalam, S. T.; Khurana, A; <a href="#">Digwal</a> , C.S.; Talla, V.; Godugu, C.; Shankaraiah, N.; <a href="#">Kamal, A.</a> , <i>Chemistry Select</i> , <b>2020</b> , <i>5</i> , 4356.
32.	538	Amberlite IR-120H Catalyzed Synthesis of 1,3-Diphenylpyrazole-chromenoquinolin-6-one Compounds and Their Biological Evaluation. Kovvuri, J.; Nagaraju, B.; <a href="#">Kumar</a> , C.G.; Routhu, S.R.; Gour, J.; <a href="#">Mullagiri</a> , K.; Nagesh, N.; Kamal, A., <i>American Journal of Medicinal Chemistry</i> , <b>2020</b> .
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38.	532	Hypervalent iodine (III) catalyzed rapid and efficient access to benzimidazoles, benzothiazoles and quinoxalines: Biological evaluation of some new benzimidazole-imidazo[1,2- <i>a</i> ]pyridine conjugates. <a href="#">Ramya</a> , P.V.S.; <a href="#">Angapelly</a> , S.; <a href="#">Rani</a> , R.S.; <a href="#">Digwal</a> , C.S.; <a href="#">Kumar</a> , C.G.; <a href="#">Babu</a> , B.N.; <a href="#">Guntuku</a> , L; <a href="#">Kamal</a> , A., <i>Arabian J. Chem.</i> , <b>2020</b> , <i>13</i> , 120.
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