

Publications-

1. Rajpoot S, Kumar A, Zhang KYJ, Gan SH, Baig MS. [TIRAP-mediated activation of p38 MAPK in inflammatory signaling](#). **Sci Rep**. 2022 Apr 4;12(1):5601. doi: 10.1038/s41598-022-09528-8. PubMed PMID: 35379857; PubMed Central PMCID: PMC8979995.
2. Rajpoot S, Wary KK, Ibbott R, Liu D, Saqib U, Thurston TLM, Baig MS. [TIRAP in the Mechanism of Inflammation](#). **Front Immunol**. 2021;12:697588. doi: 10.3389/fimmu.2021.697588. eCollection 2021. Review. PubMed PMID: 34305934; PubMed Central PMCID: PMC8297548.
3. Huang Y, Chen Z, Jang JH, Baig MS, Bertolet G, Schroeder C, Huang S, Hu Q, Zhao Y, Lewis DE, Qin L, Zhu MX, Liu D. [PD-1 blocks lytic granule polarization with concomitant impairment of integrin outside-in signaling in the natural killer cell immunological synapse](#). **J Allergy Clin Immunol**. 2018 Oct;142(4):1311-1321.e8. doi: 10.1016/j.jaci.2018.02.050. Epub 2018 Apr 18. PubMed PMID: 29679656; PubMed Central PMCID: PMC6324560.
4. Rajpoot S, Kumar A, Gaponenko V, Thurston TL, Mehta D, Faisal SM, Zhang KY, Jha HC, Darwhekar GN, Baig MS. [Dorzolamide suppresses PKC \$\delta\$ - TIRAP-p38 MAPK signaling axis to dampen the inflammatory response](#). **Future Med Chem**. 2023 Apr 27;. doi: 10.4155/fmc-2022-0260. [Epub ahead of print] PubMed PMID: 37129027.
5. Baig MS, Liu D, Muthu K, Roy A, Saqib U, Naim A, Faisal SM, Srivastava M, Saluja R. [Heterotrimeric complex of p38 MAPK, PKC \$\delta\$, and TIRAP is required for AP1 mediated inflammatory response](#). **Int Immunopharmacol**. 2017 Jul;48:211-218. doi: 10.1016/j.intimp.2017.04.028. Epub 2017 May 18. PubMed PMID: 28528205.
6. Baig MS, Zaichick SV, Mao M, de Abreu AL, Bakhshi FR, Hart PC, Saqib U, Deng J, Chatterjee S, Block ML, Vogel SM, Malik AB, Consolaro ME, Christman JW, Minshall RD, Gantner BN, Bonini MG. [NOS1-derived nitric oxide promotes NF- \$\kappa\$ B transcriptional activity through inhibition of suppressor of cytokine signaling-1](#). **J Exp Med**. 2015 Sep 21;212(10):1725-38. doi: 10.1084/jem.20140654. Epub 2015 Aug 31. PubMed PMID: 26324446; PubMed Central PMCID: PMC4577833.

7. Mirza S. Baig, Teresa Thurston, Rahul Sharma, Rajat Atre, Uzma Saqib, Rakhi Khabiya, Shreya Bharti and Chit L. Poh. [Targeting Signalling Pathways in Inflammatory Diseases](#). **Frontiers Immunology**. 2023; 10.3389/fimmu.2023.1241440.

8. Atre R, Sharma R, Vadim G, Solanki K, Wadhonkar K, Singh N, Patidar P, Khabiya R, Samaur H, Banerjee S, Baig MS. [The indispensability of macrophage adaptor proteins in chronic inflammatory diseases](#). **Int Immunopharmacol**. 2023 Apr 25;119:110176. doi: 10.1016/j.intimp.2023.110176. [Epub ahead of print] Review. PubMed PMID: 37104916.

9. Baig MS, Roy A, Saqib U, Rajpoot S, Srivastava M, Naim A, Liu D, Saluja R, Faisal SM, Pan Q, Turkowski K, Darwhekar GN, Savai R. [Repurposing Thioridazine \(TDZ\) as an anti-inflammatory agent](#). **Sci Rep**. 2018 Aug 20;8(1):12471. doi: 10.1038/s41598-018-30763-5. PubMed PMID: 30127400; PubMed Central PMCID: PMC6102213.

10. Saqib U, Sarkar S, Suk K, Mohammad O, Baig MS, Savai R. [Phytochemicals as modulators of M1-M2 macrophages in inflammation](#). **Oncotarget**. 2018 Apr 3;9(25):17937-17950. doi: 10.18632/oncotarget.24788. eCollection 2018 Apr 3. Review. PubMed PMID: 29707159; PubMed Central PMCID: PMC5915167.