

List of Publications

1. Ghosh, S., **D'Souza, J.**, Goud, B.R. and Prabhakar, N., 2022. A review of the Precambrian tectonic evolution of the Aravalli Craton, northwestern India: Structural, metamorphic and geochronological perspectives from the basement complexes and supracrustal sequences. **Earth-Science Reviews**, 232, art. 104098. doi: 10.1016/j.earscirev.2022.104098
2. Ghosh, S., Prabhakar, N. and **D'Souza, J.**, 2021. Origin of multilayer corona textures in mafic granulites from the Sandmata Complex, Aravalli Craton (northwestern India): Petrological characteristics and tectonic implications. **Contributions to Mineralogy and Petrology**, 176(5), 35.
3. **D'Souza, J.**, Prabhakar, N., Sheth, H., Xu, Y. 2021. Metamorphic P–T–t–d evolution of the Mesoproterozoic Pur-Banera supracrustal belt, Aravalli Craton, northwestern India: Insights from phase equilibria modelling and zircon-monazite geochronology of metapelites. **Journal of Metamorphic Geology**, 39(9), 1173-1204.
4. **D'Souza, J.**, Sheth, H., Xu, Y., Wegner, W., Prabhakar, N., Sharma, K.K., Koeberl. C., 2020. Neoarchaean crustal reworking in the Aravalli Craton: Petrogenesis and tectonometamorphic history of the Malola granite, Bhilwara area, northwestern India. **Geological Journal**, 55(12), 8186-8210. doi: 10.1002/gj.3927.
5. **D'Souza, J.**, Prabhakar, N., Xu, Y., Sharma, K.K., Sheth, H., 2019. Mesoarchaean to Neoproterozoic (3.2–0.8 Ga) crustal growth and reworking in the Aravalli Craton, northwestern India: Insights from the Pur-Banera supracrustal belt. **Precambrian Research**, 332, art. 105383, doi: 10.1016/j.precamres.2019.105383.
6. Samant, H., Pundalik, A., **D'Souza, J.**, Sheth, H., Lobo, K.C., D'Souza, K., Patel, V., 2017. Geology of the Elephanta Island fault zone, western Indian rifted margin, and its significance for understanding the Panvel flexure. **Journal of Earth System Science**, 126, 9.
7. Sheth, H., Pal, I., Patel, V., Samant, H., **D'Souza, J.**, 2017. Breccia-cored columnar rosettes in a rubbly pahoehoe lava flow, Elephanta Island, Deccan Traps, and a model for their origin. **Geoscience Frontiers** 8, 1299–1309.
8. Sheth, H., Samant, H., Patel, V., **D'Souza, J.**, 2017. The Volcanic Geoheritage of the Elephanta Caves, Deccan Traps, Western India. **Geoheritage** 9, 359–372.