

LIST OF PUBLICATIONS

1. Rajput, K.S., Koyani, R.D., Patel, H.R., Vasava, A.M., **Patel, R. S.**, Patel, A.D. and Singh, A.P. 2015. A preliminary checklist of fungi of Gujarat State, India. *Current Research in Environmental & Applied Mycology* 5 (4): 285–306
2. Vasava, A. M., Koyani, R. D., **Patel, R. S.** and Rajput, K. S. 2017. Diversity and distribution of Agaricaceae in Western part of India with special reference to Gujarat state. *Journal of Indian Botanical Society* 96: 119-135.
3. **Patel, R. S.**, Vasava, A. M., & Rajput, K. S. (2018). New distribution record of *Clathrus delicatus* Berk. & Broome (Phallaceae) from Gujarat. *The Journal of Indian Botanical Society*, 97(1and2), 54-57.
4. **Patel, R. S.**, Vasava, A. M., & Rajput, K. S. (2018). New distribution record of *Cyathus stercoreus* (Schwein.) De Toni (Nidulariaceae) for India from Gujarat state. *Studies in Fungi*, 3(1), 227-233.
5. **Patel, R. S.**, Vasava, A. M., & Rajput, K. S. (2018). Morphological and molecular evidence for the occurrence of *Itajahya galericulata* (Basidiomycota, Phallales) in India. *Plant Fungal Systematics*, 63, 39-44.
6. Vasava, A. M., **Patel, R. S.**, Koyani, R. D. and Rajput, K. S. 2017. Distribution and diversity of Polyporaceae in Western India: An overview and addition to mycoflora of the Gujarat state. *Plant Science Today* 5: 32-38.
7. **Patel, R. S.**, Vasava, A. M., & Rajput, K. S. (2019). Distribution of *Trichaleurina javanica* (Rehm) M. Carbone, Agnello & P. Alvarado (Chorioactidaceae) in India. *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology*, 153(2), 231-234.
8. **Patel, R. S.**, Vasava, A. M., & Rajput, K. S. (2020). Studies on morphological and molecular identification of *Geastrum* from Gujarat, India. *Kavaka*, 54. 50.
9. **Patel, R. S.**, Vanzara A. G., Patel N. R., Vasava A. M., Patil S. M., and Rajput K. S. (2020). In-silico discovery of fungal metabolites bergenin, quercitrin and dihydroartemisinin as potential inhibitors against main protease of SARS-CoV-2. *Coronaviruses*, 1, 1-23.
10. Vasava, A. M., **Patel, R. S.** and Rajput, K. S. 2021. *Sphaerobolus jaysukhianus* sp. nov.: an artillery fungus (Geastraceae, Basidiomycota) from India. *Plant Biosystem* 155(5): 963-970.

**PUBLICATIONS OTHER THAN THESIS WORK (MOLECULAR
SYSTEMATICS AS A JRF IN PROJECTS)**

1. Patil, S.M., Kachhiyapatel, R.N., **Patel, R.S.** and Rajput, K.S. 2018. *Ophioglossum gujaratense*, a new species from Gujarat state, India. ***Phytotaxa*** 351(4): 273-280.
2. Saran, P.L., **Patel, R.S.**, Meena, R.P., Vasara, R.P. and Rajput, K.S. 2020. Burl formation in Mango (*Mangifera indica*): A neglected tumour disorder and the structure of its secondary xylem. ***IWA Journal*** 41(1): 85-97.
3. Patil, S.M., **Patel, R.S.** and Rajput, K.S. 2020. Molecular identification of an endemic species *Tectaria paradoxa* (Fee) Sledge, from India. ***Journal of Bombay Natural History Society*** 117: 60-65.
4. Rajput, K.S., Kachhiyapatel, R.N., Patil S.M., Vasava, A.M., **Patel R.S.**, Patel S.K. and Raole V.M. 2021. Checklist of pteridophytes of Gujarat State. ***Phytotaxa*** 514(2) 89-104.
5. Patil, S.M., **Patel, R.S.**, Ravat, V. and Rajput, K.S. 2021. *Christensenia aesculifolia*: Its diversity, distribution, conservation status and molecular identification from India. ***Fern Gazette*** 21(6): 270-276.
6. Patel, S.K., Patil, S.M., **Patel, R.S.**, Kachhiyapatel, R.N., Raole V.M. and Rajput K.S. 2021. *Ephedra karumanchiana* (Ephedraceae): *sp. nov.* from Gujarat state, India. ***Phytotaxonomy*** 19: 14-22
7. Chaudhary, S.P., Saran, P.L., **Patel, R.S.** and Rajput, K.S. 2022. Influence of burl disease on fruit yield and biochemical composition in mango cv. *Rajapuri* from Gujarat State. ***Indian Phytopathology*** 75: 419-428.
8. Vanzara, A. G, **Patel, R. S.**, Patel, A. D., Patel N. R., Yadav, K and Nagar, P. S. 2021. Liquiritin from *Glycyrrhiza Glabra* L (Fabaceae) - a Natural Derived Drug, as a Potential Inhibitor for SARS-CoV-2. (Preprint)