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### PUBLICATIONS [ORCID ID: 0000-0001-5975-5123 AND SCOPUS ID: 57193572701]

1. **Shoba Periasamy**, Kokila Priya Ravi, 2019. Salinity Accumulation Index to investigate the surface and root zone accumulation of salinity- An integrated modeling approach from multispectral and SAR products. *Natural Hazards, Springer*. (Impact Factor: 2.3, SCI, Status: In pipeline).
2. **Shoba Periasamy**, Kokila Priya Ravi, 2019. Spatial simulation of aggregate roughness over vegetated and soil surfaces from Synthetic Aperture Radar of C-band frequency. *Catena, Elsevier*. (Impact Factor: 3.8, SCI, Status: In pipeline).
3. **Shoba Periasamy**, Kokila Priya Ravi, 2020. A novel approach to quantify soil salinity by simulating the dielectric loss of SAR in three-dimensional density space. *Remote Sensing of Environment, Elsevier*, 251, 1-17. DOI: <https://doi.org/10.1016/j.rse.2020.112059>. ISSN: 0034-4257 (Impact Factor: 9.08, SCI).
4. **Shoba Periasamy**, Divya Senthil, Ramakrishnan S. Shanmugam, 2019. A Soil Texture Categorization mapping from Empirical and Semi-Empirical Modeling of Target Parameters of Synthetic Aperture Radar. *Geocarto International, Taylor & Francis*, DOI: <https://doi.org/10.1080/10106049.2019.1618924>. ISSN: 1752-0762 (Impact Factor: 3.8, SCI, Published; Volume and Issue to be updated).
5. **Shoba Periasamy**, 2018. Significance of dual polarimetric synthetic aperture radar in biomass retrieval: An attempt on Sentinel-1. *Remote Sensing of Environment, Elsevier*, 217, 537-549. DOI: <https://doi.org/10.1016/j.rse.2018.09.003>. ISSN: 0034-4257 [Impact Factor: 6.4, SCI].
6. **Shoba Periasamy**, Ramakrishnan S. Shanmugam, 2017. Multispectral and Microwave Remote Sensing Models to Survey Soil Moisture and Salinity. *Land Degradation & Development, Wiley*, 28(4), 1412-1425. DOI: <https://doi.org/10.1002/ldr.2661> [Impact Factor: 8.1, SCI].
7. **Shoba, P.**, Ramakrishnan, S.S., 2016. Modeling the contributing factors of desertification and evaluating their relationships to the soil degradation process through geomatic techniques. *Solid Earth, Copernicus*, 7(2), 341-354. DOI: <https://doi.org/10.5194/se-7-341-2016> [Impact Factor: 3.5, SCI].
8. **Shoba, P.**, Ramakrishnan, S.S., 2015. Modeling the contributing factors of desertification and evaluating their relationships to soil degradation process through Geomatic techniques. *Solid Earth Discussions*, 7(4), 3735-3771, ISSN: 1869-9537. [Peer Reviewed and Open Discussion Forum of Solid Earth Journal]
9. **Shoba, P.**, Ramakrishnan, S.S., 2015. Identifying and assessing the factors inducing Land Degradation and Desertification in Dharmapuri District of Tamil Nadu through Geo-Statistical Model. *Indian Cartographer*, 35, 487-498, ISSN : 0972-8392.