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## PUBLICATIONS

### Books

- **Matkan A.A., Hajeb M & Azarakhsh Z.,** *Introduction to Radar Remote Sensing*, Shahid Beheshti Uni. Press (2021) (in Persian). <https://en.sbu.ac.ir/w/-introduction-to-radar-remote-sensing-published-by-sbu-press-3>

### International Journals

- **Azarakhsh, Z., Maghsoudi, Y., Stammer, D & Weisse, R.** Investigating vertical land motion of German Bight. (in preparation for resubmission).
- **Hajeb M., Hamzeh S., Alavipanaha S.K., Azarakhsh Z., & Verrelst J.** (in preparation for resubmission). Retrieving Vegetation Properties through Inverting Soil-Leaf-Canopy Radiative Transfer Model: A Genetic algorithm inversion model.
- **Asadi Aghbolaghi, M., Keyghobadi, N., Azarakhsh, Z., Dadizadeh, M., Asadi Aghbolaghi, S., & Zamani, N.** (2023). An evaluation of isolation by distance and isolation by resistance on genetic structure of the Persian squirrel (*Sciurus anomalus*) in the Zagros forests of Iran. *Ecology and Evolution*, 13(7), e10225. <https://doi.org/10.1002/ece3.10225>
- **Azarakhsh Z, Azadbakht M, & Matkan, A. A.** (2022). Estimation, modeling, and prediction of land subsidence using Sentinel-1 time series in Tehran-Shahriar plain: A machine learning-based investigation. *Remote Sensing Applications: Society and Environment*, 100691. <https://doi.org/10.1016/j.rsase.2021.100691>
- **Moeinkhah, A., Shakiba, A., & Azarakhsh, Z.** (2019). Assessment of Regression and Classification Methods Using Remote Sensing Technology for Detection of Coastal Depth (Case Study of Bushehr Port and Kharg Island). *Journal of the Indian Society of Remote Sensing*, 47(6), 1019-1029. <https://doi.org/10.1007/s12524-019-00959-x>
- **Matkan, A. A., Hajeb, M., & Azarakhsh, Z.** (2015). Target decomposition theory in oil spill detection from SAR data. *International Journal of Image and Data Fusion*, 7(3), 264-281. <https://doi.org/10.1080/19479832.2015.1068873>
- **Matkan, A. A., Hajeb, M., & Azarakhsh, Z.** (2013). Oil spill detection from SAR image using SVM based classification. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, SMPR, 1, W3. <https://doi.org/10.5194/isprsarchives-XL-1-W3-55-2013>

### Iranian Journals

- **Matkan A, Hajeb M, & Azarakhsh Z.** (Autumn 2014) Quarterly Journal of RADAR, Imam Hossein Comprehensive University, Iran. "Assessment of Capability of the Target Decomposition Features in Sea Oil Pollution Detection Using Polarimetric SAR data." 2, no.3 (Autumn 2014): 13-24(in Persian).
- **Matkan A, Hajeb M, & Azarakhsh Z.** Iranian Journal of environmental sciences, "A Review of Remote Sensing Applications in Detection of Sea Oil Pollution." 12, no. 1.1(Spring 2014): 2-10 (in Persian).
- **Matkan A, Hajeb M, & Azarakhsh Z.** Geomatics Annual Conference, 29 April -1 May 2013, National Cartography Center, Tehran, Iran. "Introduction and Assessment of the Most Important Methods of Oil Spill Detection Using SAR Images." (2013): (Poster) (in Persian).
- **Matkan A, Hajeb M, Ashorloo D, & Azarakhsh Z.** Geomatics Annual Conference, 24- 25 May 2014, National Cartography Center, Tehran, Iran. "Assessment of texture features of Polarimetric SAR.