

## Publication List

### Papers in refereed journals, included in the dissertation

1. Nedal, M., Kozarev, K., Miteva, R., Stepanyuk, O., & Dechev, M. (2024). Characterization of the Early Dynamics of Solar Coronal Bright Fronts. *arXiv preprint arXiv:2404.03396*.
2. Nedal, M., Kozarev, K., Zhang, P., & Zucca, P. (2023). Coronal diagnostics of solar type III radio bursts using LOFAR and PSP observations. *Astronomy & Astrophysics*, 680, A106.
3. Nedal, M., Kozarev, K., Arsenov, N., & Zhang, P. (2023). Forecasting solar energetic proton integral fluxes with bi-directional long short-term memory neural networks. *Journal of Space Weather and Space Climate*, 13, 26.
4. Miteva, R., Nedal, M., Samwel, S. W., & Temmer, M. (2023). Parameter Study of Geomagnetic Storms and Associated Phenomena: CME Speed De-Projection vs. In Situ Data. *Universe*, 9(4), 179.
5. Miteva, R., Samwel, S. W., & Nedal, M. Geomagnetic Storms and their Solar Origin in Solar Cycle 24 (2009–2019). In *Astronomical Conference* (P. 125, 2022).
6. Stepanyuk, O., Kozarev, K., & Nedal, M. (2022). Multi-scale image preprocessing and feature tracking for remote CME characterization. *Journal of Space Weather and Space Climate*, 12, 20.
7. Kozarev, K., Nedal, M., Miteva, R., Dechev, M., & Zucca, P. (2022). A Multi-Event Study of Early-Stage SEP Acceleration by CME-Driven Shocks—Sun to 1 AU. *Frontiers in Astronomy and Space Sciences*, 9, 34.

### Papers in refereed journals, not included in the dissertation

1. Whitman, K., Egeland, R., Richardson, I. G., Allison, C., Quinn, P., Barzilia, J., ... Nedal, M. ...., & Hosseinzadeh, P. (2022). Review of solar energetic particle models. *Advances in Space Research*.
2. Abuelezz, O. A., Mahrous, A. M., Cilliers, P. J., Fleury, R., Youssef, M., Nedal, M., & Yassen, A. M. (2021). Neural network prediction of the topside electron content over the Euro-African sector derived from Swarm-A measurements. *Advances in Space Research*, 67(4), 1191-1209.

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