

## **Ionosphere modeling and intense radiation**

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The perturbations in the Ionospheric D-region induced by solar flares were studied using monitored amplitude and phase data from Very Low Frequency (VLF) and Low frequency (LF) radio waves. The data were recorded by Belgrade stations system (Srećković et al. 2021a,b). The focus of this work is on the study of perturbed amplitude on VLF/LF signal caused by strong solar flares. Results show that the magnitude of the VLF perturbations is in correlation with intensity of X-ray. The model computations applied to obtain the electron density enhancement induced by intense solar radiation

### **References**

- Srećković, V. A., Šulić, D. M., Vujčić, V., Mijić, Z. R., & Ignjatović, L. M., 2021a, Applied Sciences, 11(23), 11574.  
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