

There are no translations available.



mdumbovic@geof.hr

+38514639279

Position:

research associate

Room:

505

Personal Information

Born: 09.05.1984, Zagreb, Croatia

Citizenship: Croatia

Address: Hvar Observatory, Faculty of Geodesy, University of Zagreb, Kaciceva 26, HR-10000, Zagreb, Croatia

Professional Preparation

PhD in Physics (Astrophysics), [Department of Physics](#) , [Faculty of Science](#) , [University of Zagreb](#) , 2015

dipl.ing.phys (Mag.Phys), [Department of Physics](#) , [Faculty of Science](#) , [University of Zagreb](#) , 2010

Employment: Hvar Observatory, Faculty of Geodesy, University of Zagreb, since 2019

Research field: heliophysics and space weather – propagation of coronal mass ejections and their space weather effects including geomagnetic storms and Forbush decreases

Member of [Croatian Astronomical Society](#) , [Croatian Physical Society](#) , [European Geosciences Union](#) , [American Geophysical Union](#) ,

,
[International Astronomical Union](#)

,
[European Astronomical Society](#)

Refereeing: more than 40 reviews of scientific papers in a number of different international peer review journals (see [Publons](#)); [Exceptional reviewer](#) for Solar Physics 2017, [Outstanding reviewer](#)

for
AGU Journals/Earth and Space Science 2017;
scientific projects for
[National Research, Development and Innovation Office \(NKFIH\)](#)
in Hungary and
[National Aeronautics and Space Administration \(NASA\)](#)
in USA

Awards, fellowships and honours:

Best student poster award at [European cosmic ray symposium 2014](#)
fellowship of the national program " [For Women in Science](#) " in 2016
[Marie Skłodowska Curie Actions](#) individual fellowship 2017
[SCOSTEP2020 Distinguished Young Scientist Award](#) in 2020
[The Alexander Chizhevsky Medal for Space Weather and Space Climate](#) in 2020
[Arne Richter Award for Outstanding Early Career Scientists of the European Geosciences Union of the European Geosciences Union](#) in 2021

PI:

current:

"Interaction of COronal HOles and Solar Storms ([ICOHOSS](#))", [HRZZ](#) national project

past:

EU Horizon 2020 Marie Skłodowska Curie Actions project No.745782 "Forbush decrease model for expanding CMEs affecting Earth and Mars ([ForbMod](#))" [ESF](#) funded national project "Increase of the competitiveness through development of researchers in Solar Physics ([PoKRet](#))" [HRZZ](#)

Project associate:

current:

"Millimeter and Submillimeter Observations of the solar Chromosphere with ALMA ([MSOC](#))", [HRZZ](#)

national project

"Integrating High Resolution Solar Physics ([SOLARNET](#))", EU H2020 project

past:

"Development of the Drag-Based-Ensemble Model for studies on the propagation of solar storms ([DBEM](#))", Austrian-Croatian bilateral project

"Cosmic Ray Modulation by Solar Coronal Mass Ejections", [CORAMOD](#) , [MZOS](#) / [DAAD](#) bilateral project

"Young researchers' career development project – training of new doctoral students", HRZZ-doktorandi, [HRZZ](#) funding program

"Solar and Stellar Variability", [SOLSTEL](#) , [HRZZ](#) national project

"High-resolution Solar Physics Network", [SOLARNET](#) , EU FP7 project

"Coronal Mass Ejections and Solar Energetic Particles", [COMESSEP](#) , EU FP7project

"Predicting solar coronal mass ejections effects on the geomagnetic field", HEP-donacije, funded by the Croatian power company [HEP](#)

"Solar-Terrestrial Investigation and Archives", [SOTERIA](#) , EU FP7project

Publications:

[NASA/ADS](#)

[CROSB](#)

[ResearchGate](#)

[Google Scholar](#)

[ORCID](#)

[Publons](#)

[Web of Science](#)