

Curriculum vitae

Europass



Proiect

Post vizat

Informații personale **MIRELA VOICULESCU**

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Naționalitate(-tăți) Romana

Experiența profesională

Perioada 2014 – prezent

Funcția sau postul ocupat Profesor univesitar

Activități și responsabilități principale Predare, Cercetare, Diseminare, Coordonare proiecte/activitati studenti

Numele și adresa angajatorului Universitatea Dunarea de Jos Galati (UDJG), Str. Domneasca nr. 47, 800008, Galati

Tipul activității sau sectorul de activitate Invatamant universitar, cercetare

Perioada 2008 – 2014

Funcția sau postul ocupat Conferentiar univesitar

Activități și responsabilități principale Predare, Cercetare, Diseminare, Coordonare proiecte/activitati studenti

Numele și adresa angajatorului Universitatea Dunarea de Jos Galati, Str. Domneasca nr. 47, 800008, Galati

Tipul activității sau sectorul de activitate Invatamant universitar, cercetare

Perioada 1999 – 2008

Funcția sau postul ocupat Lector universitar

Activități și responsabilități principale Predare, Cercetare, Diseminare, Coordonare proiecte/activitati studenti

Numele și adresa angajatorului Universitatea Dunarea de Jos Galati, Str. Domneasca nr. 47, 800008, Galati

Tipul activității sau sectorul de activitate Invatamant universitar, cercetare

Perioada 1992 – 1999

Funcția sau postul ocupat Preparator, Asistent, Lector

Activități și responsabilități principale Predare, Cercetare, Diseminare, Coordonare proiecte/activitati studenti

Numele și adresa angajatorului Universitatea Dunarea de Jos Galati, Str. Domneasca nr. 47, 800008, Galati

Tipul activității sau sectorul de activitate Invatamant universitar, cercetare

Perioada Sep 1989 - Sep 1991, Sep 1991 – Feb 1992

Funcția sau postul ocupat profesor

Activități și responsabilități principale Didactic

Numele și adresa angajatorului Liceul Silvicultura, Scoala gen 4 – Curtea de Arges, Scoala gen. 12 Galati

Tipul activității sau sectorul de activitate Didactic, invatamant pre-universitar

Educație și formare

Perioada 2005-2006

Calificarea / diploma obținută Doctor in Fizica, „IMF effects on sporadic E layers and F region trough”

Competențe profesionale dobândite Fizica relatiilor solar-terestre, metode de studiu (teledetectie), analiza și interpretarea date.

Numele și tipul instituției de învățământ / furnizorului de formare Universitatea din Oulu, Finlanda

Nivelul în clasificarea națională sau internațională Eximia cum laude approbatur (Excellent)

Perioada 1997-2003

Calificarea / diploma obținută	Doctor in Fizica, „Instabilitati si fenomene ondulatorii in plasma ionosferica”
Competențe profesionale dobândite	Fizica atmosferei, fizica ionosferei, fizica relatiilor solar-terestre, metode de studiu la distanta si in situ, metode de analiza statistica si prelucrare date
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea Al I Cuza, Iasi, Romania
Nivelul în clasificarea națională sau internațională	Magna cum Laudae
Perioada	2003
Calificarea / diploma obținută	Curs postuniv. „Didactica învățământului la distanță”
Disciplinele principale studiate / competențe profesionale dobândite	Didactica invatamantului la distanta, pagini web, arie curriculara
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „Dunărea de Jos” Galați
Perioada	2001-2002
Calificarea / diploma obținută	Studii postuniv, sectia „Unde si Vibratii”
Disciplinele principale studiate / competențe profesionale dobândite	Metode teoretice, Unde, vibratii, termodinamica statistica/
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „Dunărea de Jos” Galați
Perioada	1985-1989
Calificarea / diploma obținută	Diploma fizica/profesor
Disciplinele principale studiate / competențe profesionale dobândite	Matematica, Fizica/ Profesor, fizician
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea din Bucuresti
Nivelul în clasificarea națională sau internațională	nota diploma 10, medie finala 9.64

Aptitudini și competențe personale

Competente profesionale: fizica atmosferei, ionosfera, relatii solar-terestre, vreme spatiaala si mediul terestru (climat, Abilitati de comunicare (prezentari conferinte internationale, predare, evaluari) procese atmosferice), meteorologie, climatologie, metode remote-sensing (cf publicatii) Activități de popularizare a științei (British Council, Beautiful Science, 2008) Abilitati multitasking (derulare simultan de proiecte resurse umane, cercetare si didactice), receptivitate ridicata Abilitati analitice (prelucrare date, statistica, evaluari, management) Adaptabilitate rapida in diferite medii (cooperari cu echipe diferite, granturi/mobilitati internationale/proiecte europene) Creativitatesi initiativa ridicata, receptivitate inalta la provocari si noutate

Competențe și aptitudini organizatorice

Management cercetare/proiecte si granturi nationale si internationale (vezi lista mai jos),
Coordonare activitati de evaluare/acreditare, coordonare laborator
Organizare conferinte/workshop/seminarii la nivel local, national, international, organizator principal pentru:

- Workshop consortiu **Aerosols**, Clouds and Trace gases Research InfraStructure, ROMANIA, 4-5 iun 2019, Galati, Romania
- “Workshop on natural versus anthropogenic causes of climate variability and feedback from bio-chemical processes”, NatClimVar ICUB, București, 18-22 Oct 2016

Gandire analitica (specialist analiza date, evaluare programe)
Management tip multitasking (lucru simultan in proiecte cercetare, resurse umane si didactice)
Experiență didactică

Limba maternă	Romana		Vorbire				Scriere	
	Înțelegere		Conversație		Discurs oral		Exprimare scrisă	
Limbi străine cunoscute	Ascultare	Citire	Conversație		Discurs oral		Exprimare scrisă	
Nivel european (*)								
Limba engleza	C2 Utilizator experimentat	C2 Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat
Limba franceza	C2 Utilizator experimentat	C2 Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat
Limba germana	A2 Utilizator elementar	A2 Utilizator elementar	A2	Utilizator elementar	A2	Utilizator elementar	A2	Utilizator elementar

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și aptitudini de utilizare a calculatorului

Sisteme operare Windows
 Aplicații Microsoft Office (Word, Excel, PPT)
 Aplicație grafică: CorelDraw, Acrobat
 Procesare text LATEX

Evaluare, Auditare, Apartenența la Societăți profesionale

- Membru al CNCS (Consiliul Național al Cercetării Științifice), Comisia Științele Pamantului și Atmosferei (mar 2020 – prezent, oct 2011 – apr 2013), vicepresedinte CNCS dec 2016-mar 2017
- Membru al Consiliului Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare, Comisia Științele Pamantului, Panel Matematica și Științele Naturii (apr 2011 – sep 2012)
- Expert evaluator National Science Foundation (USA), 2011
- Expert evaluator H2020, FP7, 2010-prezent, Vicechair pentru ENV – ITN, 2017-prezent
- Expert national CNCIS, CNCS, PNII, PNIII, 2006-prezent
- Expert evaluator NERC (Natural Environment Research Council, UK), 2019 - prezent
- Coordonator al programului de Master *Analize fizico-chimice în mediu și știința materialelor* (UDJG)
- Coordonator al programului de Licență *Știința Mediului* (UDJG), 2008-2018
- Membru în Consiliul Facultății de Științe, Universitatea „Dunărea de Jos” Galați, 2004 - 2011
- Coordonator științific Centrul European de Excelență în Mediu (ECEE)
- Referent științific reviste științifice (Journal of Atmospheric and Solar-terrestrial Sciences, Advances in Space Researches, Earth Planets and Space Letters, Journal of Geophysical Researches, Annales Geophysicae, Journal of Sensors)
- Convener/moderator:
 - EGU General Assembly, Viena, 2008, 2009, 2010, 2011 (Solar-terrestrial interactions)
 - Space Climate 5-th Symposium, Oulu, 2013, Jun 12-15-th
- Membru în comitete științifice și de organizare a conferințelor:
 - comitetul de organizare a simpozioanelor internaționale 2-nd International Space Climate Symposium, – Sinaia, 13-16.09.2006, 5-th International Space Climate Symposium, Oulu, Finland
 - comitetul de organizare a Conferinței de Fizică Aplicată – Galați 2005, 2006, 2007.
 - colectivul editorial: National Conference on Applied Physics, Galați, June 9-10, 2006
 - colectivul editorial: International Symposium on Applied Physics, Galați, Nov 27-28, 2009
 - comitetul științific: Conferința Internațională B.EN.A, Galați, 26-28.05.2010
 - co-convener EGU, Viena, 2009, 2010, 2011.
- Activități de popularizare a științei: **Conferința invitată** privind originea schimbărilor climatice actuale, organizată de British Council, 8 mar 2008
- Membru AGU (American Geophysics Union), EGU (European Geophysics Union), Ad Astra, Sigma Xi

Informații suplimentare

- **410+ citări WoS (fara autocitari), h_WoS = 13; 500+ citari Scholar, h_G=15**
- **ResearcherID: B-7041-2011, <http://www.researcherid.com/rid/B-7041-2011>**

Profesor invitat la Institutul de Cercetari al Universitatii din Bucuresti: iul – dec 2016

- Organizator principal al atelierului de lucru “*Workshop on natural versus anthropogenic causes of climate variability and feedback from bio-chemical processes*”, NatClimVar ICUB, București, 18-22 Oct 2016.

Prezentări invitate, seminarii invitate

- **Velvety sway of clouds in the wake of Sun’s mood**, *International Conference on Astronomy and Space Science “New horizons in space and planetary astrophysics. Honoring IAU 100, Astronomical Institute of Romanian Academy, Bucharest, 17-19 oct 2019.*
- **Solar reverberations in the terrestrial ionosphere**, *Solar System studies from the ground to in-situ observations, Astronomical Institute of Romanian Academy, Bucharest, 25-26 sep 2018.*
- **The ionosphere: plasma playing in the atmosphere**, *Astronomical Institute of Romanian Academy, Bucharest, jun 2018*
- **Possible response of cloud cover to solar variations at low and high altitudes in various datasets: Sun versus solar wind**, *7-th Workshop on Solar Influences on the Magnetosphere, Ionosphere and Atmosphere, 1-5.06.2015, Sunny Beach, Bulgaria*
- **Combined effect of CR and solar radiation on cloud cover**, *TOSCA Science Meeting, 30.09 – 4.10. 2013, Prague, Czech Republic*
- **Possible relationship between space weather and cloud cover and role of various climatic factors**, *Space Climate Symposium 5, Oulu, Finland, June 15-19, 2013*
- **Role of climatic factors in modulating a possible solar effect on cloud cover**, *Workshop on the influence of interplanetary perturbations on the Earth’s atmosphere and climate, Sunny Beach, Bulgaria, 13-16 May 2013*
- **Ionospheric perturbations induced by interplanetary and solar forcing**, *International Conference on Solar and Heliospheric Influences on the Geospace, București, Romania, 1 – 6 oct 2012*
- **M. Voiculescu, Competing effects of solar radiation and cosmic rays on cloud cover variation over the last two solar cycles**, *Joint WG3 and ISSI workshop “Cosmic ray influence upon atmospheric processes”, Bern, 14-15 June 2012*
- **Ionosphere-magnetosphere coupling and link to Earth phenomena**, *Institute of Geodynamics, Bucharest, Romania, 25 nov 2011*

- **Characteristics of ionospheric troughs observed in the pre-midnight sector; relationship with inner magnetosphere and interplanetary conditions**, *Solar-Terrestrial Research Center, Brussels, Belgium*, 10 dec 2010
- **A new type of ionospheric flows: rapid eastward drifts**, *Universitatea din Oulu, Space Physics Dept, Oulu, Finlanda*, 22 oct 2008
- **Ionospheric structures of particular magnetospheric configurations**, *Solar-Terrestrial Research Center, Brussels, Belgium*, 16 sep 2008
- Cercetator invitat, *Universitatea din Oulu, Finlanda*, iul-oct 2006
- Sept. 1999: *Max-Planck Institut für Aeronomie, Katlenburg-Lindau, Germany*, Sep 1999
- Cercetator invitat, *Universitatea din Creta*, Sep 1998, Mar 1999

Experiența acumulată (inclusiv experiența managerială) în programe/proiecte naționale/internaționale

Granturi internaționale (personale)

1. *The ionospheric trough – manifestation of space weather variability* University of Oulu, Finland, finantat de Universitatea din Oulu, 1 lună, ian-feb 2014
2. *Formation, development and mechanism of the pre-midnight F region trough*, Universitatea din Oulu, Finlanda, finantat de Universitatea din Oulu, 1 lună, aug 2009
3. *Study of the F region trough –international S & T cooperation: post-doc fellowship*, 2007-2008, 9 luni, Institute of Space Aeronomie, Bruxelles, Belgium
4. *Sporadic E-layer at mid and high latitudes –Marie Curie fellowship for doctoral research*, 2001-2002, Universitatea din Oulu, Finlanda

Proiecte internaționale – Reprezentant national

1. COST CA 15211 *Atmospheric Electricity Network: coupling with the Earth System, climate and biological systems*
Rol: Membru al Comitetului de Management, 2016 – 2021, Reprezentant national
2. COST ES1005 "Towards a more complete assessment of the impact of solar variability on the Earth's climate"
Rol: Membru al Comitetului de Management, 2012-2016, Reprezentant national

Proiecte naționale – Director/Responsabil partener

1. Valorificarea extensivă a experienței în activități de spațiu și Securitate (Valorizing the extensive experience in space and security) **VESS**, 18PCCDI/2018, 2018-2020, rol: Responsabil Partener
2. SOLar Activity and Clouds: causal or casual Effect? **SOLACE**, PN II, "Dunarea de Jos" University, Galati, Romania, 2011 – 2014, rol: Director proiect
3. Eco-technologies for rehabilitation and ecological reconstruction of contaminated land in urban and industrial waste, **ECORES**, 2008- 2011, Coordonator USAMV Bucuresti, rol: Responsabil Partener
4. Researches for optimal processes and parameters for improving the remediation level of contaminated land, **TERESOL**, Coordonator UPB Bucuresti, rol: Responsabil Partener
5. Boundary layers and spatial charge structures in circumplanetary plasmas, **SAFIR**, contract PN2 nr. 81009/2007, 2007 – 2011, Coordonator ISS-Bucuresti, rol: Responsabil Partener

Granturi naționale

1. Grant mobilitate ETH – Davos, Elvetia, PN-III-P1-1.1-MC-2017-0918, 1-15 mar 2018
2. Grant organizare "Workshop on natural versus anthropogenic causes of climate variability and feedback from biochemical processes, NatVarClim, ICUB, Universitatea din Bucuresti, iun-dec 2016

Proiecte internaționale – expert (membru in echipa)

1. ESA GRANT, 4000118115/16/NL/FF/GP – Technical Assistance for a Romanian Atmospheric Observation System (RAMOS), Coordinator: National R&D Institute for Optoelectronics – INOE 2000, Rol: Expert
2. TEMPUS IV: Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes, U2398, 511044-Tempus-1-2010-1-UK-Tempus-JPCR, Coordinator: University of Greenwich, Rol: Expert
3. Long term solar-terrestrial relations: Global changes, Academy of Sciences, Vaissala Foundation Grant, Finland, 2006, Director: dr. Ilya Usoskin, Sodankyla Geophysical Observatory, Finlanda, Rol: Expert
4. Sun, heliosphere and Earth: Long-term relations, Academy of Sciences, Vaissala Foundation, Finland Grant, 2005, Director: dr. Ilya Usoskin, Sodankyla Geophysical Observatory, Finlanda, Rol: Expert
5. Space weather effects, ANTARES/SWAP project, 2004, Director: prof. T. Nygrén, Universitatea din Oulu, Finlanda, Rol: Expert
6. EISCAT project, Director: prof. T. Nygrén, Universitatea din Oulu, Finlanda, 2006, Rol: Cercetator invitat
7. Modelling planetary wave effects on midlatitude E region ionospheric plasma (Greece), Mar 1999, Director: prof. C. Haldoupis, Universitatea din Creta, Rol: Cercetator invitat
8. Long-term variations of coherent backscatter echoes obtained with SESCAT (Greece) , Sep-Oct 1998, Director: prof. C. Haldoupis, Universitatea din Creta, Rol: Cercetator invitat

Proiecte nationale cu finantare europeana – expert (membru in echipa implementare)

1. Performanta sustenabila in cercetarea doctorala si post doctorala PERFORM, POSDRU 159/1.5/S/138963, 2014-2015, Director: Universitatea Dunarea de Jos, Galati, Prof. dr. ing. L.P. Georgescu, Rol: Expert evaluare internă și performanță științifică
2. Sustinerea egalitatii de sanse si promovarea profesionala a femeilor PROGRES, POSDRU 144/6.3/S/129743, 2014-2015, director: Universitatea Dunarea de Jos, Galati, conf. dr. C. Iticescu, Rol: Expert corelatii tehnic
3. Calitatea si continuitatea formarii in cadrul ciclului de studii doctorale, TOP ACADEMIC, POS DRU, 2010-2013, Director: Universitatea Dunarea de Jos, Galati, Prof. dr. ing. L.P. Georgescu, Rol: Manager asistent, Responsabil raportare tehnica
4. Eficientizarea activitatii studentilor din cadrul ciclului de studii doctorale, EFICIENT, POS DRU, 2009-2012, Director: Universitatea Dunarea de Jos, Galati, Prof. dr. ing. L.P. Georgescu, Rol: Manager asistent, Responsabil raportare tehnica
5. Sistem de management al burselor acordate doctoranzilor, SIMBAD, POS-DRU, 2008-2011, Director: Universitatea Dunarea de Jos, Galati, Prof. dr. ing. L.P. Georgescu, Rol: Expert, Responsabil audit

Proiecte nationale – expert (membru in echipa)

1. Excelență, performanță și competitivitate în activități CDI la Universitatea Dunărea de Jos din Galați, EXPERT, 14PFE/17.10.2018, Beneficiar: Universitatea Dunarea de Jos, Galati, Rol: Expert managementul si calitatea cercetarii
2. Strategie și acțiuni pentru pregătirea participării naționale la Proiectul DANUBIUS –RI, DANS, 4/07.05.2018, Coordonator: INCSDB, Rol: expert/cercetator
3. Atmospheric studies in support of ESA's sentinel 4 and 5 products , ASSESS, 2017/2019, ROSA GRANT, STAR505/2017 Coordonator: INCAS/Andreea Boscornea, Rol: Expert
4. Tehnici de inalta sensibilitate aplicate in biomonitorizarea poluarii mediului (TIPSARMER), PNCDI II-Parteneriate, 2008-2011, Coordonator: Universitatea Valahia, Targoviste, prof. dr. Ion. V. Popescu, Rol: Expert
5. Studii si cercetari pentru stabilirea continutului hartilor de risc. Realizarea modelului digital al terenului pentru managmentul riscului in zona Dunarii de Jos, PNCDI II-Parteneriate, 2007-2010, Coordonator: Universitatea Dunarea de Jos Galati, prof. dr. M. Praisler, Rol: Expert
6. Centru regional pentru monitorizare si cercetare a mediului, CREDENTIAL, CEEX modul IV, 2006-2008, Coordonator: Universitatea Dunarea de Jos, Galati, prof. dr. ing. L. P. Georgescu, Rol: Expert
7. Studiul fenomenelor neliniare în sisteme complexe aflate în afara echilibrului termodinamic. Contract CNCSIS, nr. 582/2002-2004, Director: Universitatea Al I Cuza, Iasi, prof. dr. M. Ignat, Rol: Expert
8. Teoria difuziei multicanal. Aplicații la studiul difuziei acustice pe ținte mecanice și absorbantă, 1999-2001, Universitatea Dunarea de Jos, Galati, Contract CNCSIS tip A, Nr. 342234/1999, 36943/2000, 36943/2001, theme 10, Code CNCSIS 410, Director: conf. dr. Emil Danila, Ro: Expert
9. Cercetări teoretice și experimentale asupra instabilităților de descărcare luminescentă, nr. 7007/1997, CNCSU-273, Universitatea Dunarea de Jos, Galati, Director: conf. dr. Vasile Sahlean, Rol: Expert
10. Cresterea calitatii în formarea cercetătorilor pe bază de programe doctorale îmbunătățite prin parteneriat PhD 2009-2011, Director: Universitatea Dunarea de Jos, Galati, Prof. dr. ing. M. Vlad, Rol: Membru in grupul tinta

Publicatii**REVISTE ISI**

1. Sfică L, C. Beck, A. I. Nita, **M. Voiculescu**, M. V. Irsan, Andreas Philipp, Cloud cover changes driven by atmospheric circulation in Europe during the last decades, *Int. Journal of Climate*, DOI: 10.1002/joc.6841, 2020
2. **Voiculescu, M.**; Constantin, D.-E.; Condurache-Bota, S.; Călmuc, V.; Roșu, A.; Dragomir Bălănică, C.M. Role of Meteorological Parameters in the Diurnal and Seasonal Variation of NO2 in a Romanian Urban Environment. *Int. J. Environ. Res. Public Health*, 17, 6228, <https://doi.org/10.3390/ijerph17176228>, 2020.
3. Constantin D. E., C. Bocaneala, **M. Voiculescu**, A. Rosu, A. Merlaud, Michel Van Roozendaal, P. L. Georgescu, Evolution of SO2 and NOx emissions in the context of EU policies for emission reduction from the largest EU power plants using space observations and emissions inventory during 2005-2015, *Int. J. Environ. Res. Public Health*, 2020
4. Roșu A., D. E. Constantin, **M. Voiculescu**, M. Arseni, A. Merlaud, M. van Roozendaal, L. P. Georgescu, Observations of Atmospheric NO2 Using a New Low-Cost MAX-DOAS System, *Atmosphere*, 11(2), 129, <https://doi.org/10.3390/atmos11020129>, 2020
5. Danila E., **M. Voiculescu**, T. Raita, Identification of tomographic images of ionospheric plasma troughs using fractal analysis, *Romanian Astronomical Journal*, 29 (3), 217-234, 2019
6. Arseni, M.; **Voiculescu, M.**; Georgescu, L.P.; Iticescu, C.; Rosu, A. Testing Different Interpolation Methods Based on Single Beam Echosounder River Surveying. Case Study: Siret River. *ISPRS Int. J. Geo-Inf.* doi.org/10.3390/ijgi8110507, vol 8, pp 507, ISSN 2220-9964, 2019
7. Rosu A., B. Rosu, D. E. Constantin, M. Arseni, **M. Voiculescu**, L. P. Georgescu, G. Murariu and I. Popa, Overview of tropospheric no2 using the ozone monitoring observations instrument and human perception about air quality for the most polluting countries across the world, *Carpathian Journal of Earth and Environmental Sciences*, Vol. 14, No. 2, p. 423 - 430; DOI:10.26471/cjees/2019/014/091, 2019
8. Condurache-Bota S., G. Murariu, R. Drasovean, **M. Voiculescu**, G. Condurache-Bota, Greenhouse gases worldwide: relative changes, comparisons, variation causes, *Energy and clean technologies, issue 4.2: Recycling, Air Pollution and climate change*, art. nr. 60, 459-466, ISBN: 978-619-7408-45-4, ISSN 1314-2704, DOI: 10.5593/sgem2018/4.2, 2018

9. Sfca L., I. Iordache, **M. Voiculescu**, Solar signal on regional scale: A study of possible Solar impact upon Romania's Climate, *J. Atm. Sol.-Terr. Phys.*, 177, pp 257-265, <https://doi.org/10.1016/j.jastp.2017.09.015>, 2018
10. Vaideanu, P. M. Dima and **M. Voiculescu**, Atlantic Multidecadal Oscillation footprint on global high cloud cover, *Theor Appl Climatol.*, Vol. 134, Issue 3–4, pp 1245–1256, <https://doi.org/10.1007/s00704-017-2330-3>, 2018
11. Paraschiv, S., Constantin, D. E., Paraschiv, S. L., & Voiculescu, M., OMI and Ground-Based In-Situ Tropospheric Nitrogen Dioxide Observations over Several Important European Cities during 2005-2014., *International journal of environmental research and public health*, 14(11), 1415. doi:10.3390/ijerph14111415, 2017
12. Constantin D. E., A. Merlaud, **M. Voiculescu**, C. Dragomir, L.P. Georgescu, F. Hendrick, G. Pinardi, M. Van Roozendael, Mobile DOAS observations of tropospheric NO₂ using an UltraLight Trike and flux calculation, *Atmosphere*, 8, 78; doi:10.3390/atmos8040078, 2017
13. Constantin D. E., A. Merlaud, **M. Voiculescu**, M. van Roozendael, M. Arseni, A. Rosu, L.P. Georgescu, NO₂ and SO₂ observations in southeast Europe using mobile DOAS observations, *Carpathian J. of Earth and Env. Sci.*, Vol. 12, No. 2, p. 323 - 328, 2017
14. **Voiculescu M.**, T. Nygrén, A. T. Aikio, H. Vanhamaki and V. Pierrard, Post-midnight ionospheric troughs in summer at high latitudes, *J. Geophys. Res. Space Physics*, Volume 121, Issue 12, pp. 12171-11285, SRI = 2.23/FI = 3.31, doi:10.1002/2016JA023360, 2016.
15. Vanhamäki, H., A. Aikio, **M. Voiculescu**, L. Juusola, T. Nygrén, and R. Kuula, Electrodynamic structure of the morning high-latitude trough region, *J. Geophys. Res. Space Physics*, 121, 2669–2682, doi:10.1002/2015JA022021, 2016.
16. Dima M. and **M. Voiculescu**, Global patterns of solar influence on high cloud cover, *Climate Dynamics*, 47:667–678, DOI 10.1007/s00382-015-2862-0, 2016
17. Nygrén T., A. T. Aikio, **M. Voiculescu**, and L. Cai, Radar observations of simultaneous traveling ionospheric disturbances and atmospheric gravity waves. *J. Geophys. Res. Space Physics*, 120, 3949–3960. doi: 10.1002/2014JA020794, 2015
18. Dragomir C. M., D. E. Constantin, **M. Voiculescu**, L. P. Georgescu, A. Merlaud, M. Van Roozendael, Modeling results of atmospheric dispersion of NO₂ in an urban area using METI-LIS and comparison with coincident mobile DOAS measurements, *Atmosph. Poll. Res.* 6:503-510, DOI: 10.5094/APR.2015.056, 2015
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CONFERINTE INTERNATIONALE (rezumate, invitate, prezentari orale, postere)

+90 participari ca autor/co-autor, +10 invitate

CONFERINTE NATIONALE (rezumate, invitate, prezentari orale, postere)

+ 30 participari autor/co-autor.