LISTĂ DE LUCRĂRI ŞTIINŢIFICE PUBLICATE ŞI/SAU PREZENTATE LA EVENIMENTE ŞTIINŢIFICE. LISTĂ PARTICIPĂRI ÎN PROIECTE NAȚIONALE ȘI INTERNAȚIONALE

A. Teza de doctorat

Adrian Roșu, „UTILIZAREA TEHNICII SPECTROSCOPIEI OPTICE DE ABSORBȚIE DIFERENȚIALĂ ÎN CUANTIFICAREA POLUĂRII ATMOSFERICE CU DIOXID DE AZOT”, Universitatea „Dunărea de Jos” din Galați, Galați , România, 2017.

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6 ARTICOLE COMUNICATE ÎN CADRUL CONFERINȚELOR:

7 PREZENTĂRI ORALE

PO1. **Adrian Roșu**, Daniel-Eduard Constantin, Mirela Voiculescu, Cătălina Iticescu, Lucian Puiu Georgescu, „AIR POLLUTION MONITORING USING UAV SENSORS VERSUS HIGH END MONITORS", Workshop „Modern approaches of the environment-climate change interconnectivity", 2-nd edition September 20-23rd, 2023, Galati, Romania.

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PO2. Mirela Voiculescu, Daniel Constantin, **Adrian Rosu**, Iulian Alin Rosu „ONE YEAR OF OBSERVATIONS AT THE RADO-GALATI REXDAN REMOTE SENSING STATION" Workshop „Modern approaches of the environment-climate change interconnectivity", 2-nd edition September 20-23rd, 2023, Galati, Romania.

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PO1. Arseni Maxim, Roman Octavian, **Rosu Adrian**, Calmuc Madalina, Calmuc Valentina Andreea, Iticescu Catalina, Georgescu Puiu Lucian, „APPLICATION OF MOBILE MAPPING SYSTEM FOR GEOSPATIAL DATA ACQUISITION" Workshop „Modern approaches of the environment-climate change interconnectivity", 2-nd edition September 20-23rd, 2023, Galati, Romania.

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PO2. Simona Condurache-Bota, Mirela Voiculescu, Puiu-Lucian Georgescu, Catalina Iticescu, Daniel-Eduard Constantin, **Adrian Rosu**, "FIRST TIME DATA REUNION FOR REXDAN'S RAPID-E+DEVICE ON AEROSOL MONITORING"

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PO4. Bogdan ROȘU, Gabriel Murariu, Maxim Arseni, Cătalina Iticescu, George Danut Mocanu, Nicoleta-Lucica Simionescu, **Adrian Roșu** "Study on optimizing the effluent quality parameters for a simulated wastewater treatment plant using dynamic two-dimensional reference point generation: A comparative approach", 2023, IEEE ETFA – IEEE International Conference on Emerging Tehnologies and Factory Automation", 12 Septembrie 2023, IEEE Industrial Electronics Society, Sinaia, Romania.

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PO5. Cătălina ITICESCU, Puiu Lucian GEORGESCU, Mirela VOICULESCU, Stefan-Mihai PETREA, Mădălina CĂLMUC, Valentina CĂLMUC, Maxim ARSENI, **Adrian ROȘU**, Mihaela TIMOFTI, Cătălina ȚOPA, Michaela DOBRE, Daniel CONSTANTIN, Constantin APETREI, INTEGRATED SYSTEM FOR THE COMPLEX ENVIRONMENTAL RESEARCH AND MONITORING IN THE DANUBE RIVER AREA – REXDAN, The 12th International Conference "Agriculture for Life, Life for Agriculture", 9 Iunie 2023, University of Agronomic Sciences and Veterinary Medicine of Bucharest.

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8 PREZENTĂRI TIP POSTER

PP1. Adrian ROSU, Maxim ARSENI, Daniel-Eduard CONSTANTIN, Bogdan ROSU, Stefan-Mihai PETREA, Mirela VOICULESCU, Catalina ITICESCU, and Lucian-Puiu GEORGESCU. 2023 "STUDY OF AIR POLLUTION LEVEL IN AN URBAN AREA USING LOW-COST SENSOR SYSTEM ONBOARD MOBILE PLATFORM", The 12th International Conference "Agriculture for Life, Life for Agriculture", 9 Iunie 2023, University of Agronomic Sciences and Veterinary Medicine of Bucharest.
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PP2. Stefan-Mihai PETREA, Ira-Adeline SIMIONOV, Alina ANTACHE, Aurelia NICA, Cristina ANTOHI, Dragos Sebastian CRISTEA, Adrian ROȘU, Valentina CALMUC, and Bogdan ROȘU. 2023."PREDICTION MODELS FOR IMPROVING WASTE DECISION SUPPORT MANAGEMENT IN ROMANIA IN ASSOCIATION WITH V4 MEMBER COUNTRIES.", The 12th International Conference "Agriculture for Life, Life for Agriculture", 9 Iunie 2023, University of Agronomic Sciences and Veterinary Medicine of Bucharest.
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PP3. Maxim ARSENI, Octavian ROMAN, Madalina CALMUC, Valentina-Andreea CALMUC, Adrian ROSU, Stefan-Mihai PETREA, Catalina ITICESCU, Lucian-Puiu GEORGESCU 2023, AN AUTOMATED METHOD FOR FORESTRY DETERMINATION USING A UAV LIDAR-MOUNTED PLATFORM, The 12th

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PP4. Adrian ROȘU, Maxim ARSENI, Bogdan ROȘU, Stefan-Mihai PETREA, Catalina ITICESCU, Puiu Lucian GEORGESCU 2022, STUDY OF THE INFLUENCE OF MANNING PARAMETER VARIATION FOR WATERFLOW SIMULATION IN DANUBE DELTA, ROMANIA, The 11th International Conference "Agriculture for Life, Life for Agriculture", 3 June, University of Agronomic Sciences and Veterinary Medicine of Bucharest.
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PP5. Bogdan ROȘU, Adrian ROȘU, Maxim ARSENI, Stefan-Mihai PETREA, Catalina ITICESCU, Puiu Lucian GEORGESCU 2022, THE EFFECTS OF OPTIMIZING A SIMULATED WASTEWATER TREATMENT PLANT ON EFFLUENT QUALITY, The 11th International Conference "Agriculture for Life, Life for Agriculture", 3 June, University of Agronomic Sciences and Veterinary Medicine of Bucharest.
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PP7. Maxim ARSENI, Adrian ROȘU, Stefan Mihai PETREA, Madalina CALMUC, Bogdan ROȘU, Daniel-Eduard CONSTANTIN, Catalina ITICESCU, Puiu Lucian GEORGESCU 2022, THE POSITIVE EFFECTS OF CHANNELS RESTORATION IN THE DANUBE DELTA BIOSPHERE RESERVE, The 11th International Conference "Agriculture for Life, Life for Agriculture", 3 June, University of Agronomic Sciences and Veterinary Medicine of Bucharest.
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PP10. Adrian Roșu, Daniel-Eduard Constantin, Bogdan Roşu, Maxim Arseni, Mirela Voiculescu, Cătalina Iticescu and Lucian Puiu Georgescu: „**EVALUATING THE ERRORS OBTAINED BY USING DIFFERENT REFERENCE SPECTRA IN DOAS ANALYSIS",** prezentare poster în cadrul conferinței naționale 7th Edition of CSSD-UDJG, Galați, 13-14 June 2019.

PP11. Sebastian Iancu, Angelo Voicu, Alexis Merlaud, Michel Van Roozendael, Alexandru Dandocsi, Daniel Constantin, and **Adrian Rosu**: „Synergetic use of the Mobile-DOAS measurements during Cindi-2", X5.331, prezentare poster în cadrul conferinței internaționale EGU2019 Geophysical Research Abstracts Vol. 21, EGU2019-12847, EGU General Assembly 2019.

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PP12. Adrian Roșu, Daniel-Eduard Constantin, Mihaela Timofti, Mirela Voiculescu, Cătălina Iticescu, Bogdan Roșu, Arseni Maxim, "Assessing the air pollution conditions in which outdoor cultural heritage objects from Galați city (Romania) are found", prezentare tip poster în cadrul conferinței internaționale ESRE Conference 2019, Bali, paper ID:Y0032, May 27-28, 2019.

PP13. Roșu Adrian, Roșu Bogdan, Constantin Daniel-Eduard, Voiculescu Mirela, Arseni Maxim, Calmuc Valentina , Lucian Puiu Georgescu, „Overview of NO_2 and other trace gases pollution level in the Lower Danube basin during DANS measurement campaign", prezentare tip poster în cadrul conferinței internaționale UGAL International Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society, 26th-27th of October, 2018.

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PP16. Maxim Arseni, **Adrian Roșu**, Lucian Puiu Georgescu, Gabriel Murariu, Bogdan Roșu, " Flash Flood Mapping Using Landsat Satellite Images and GIS Tools: A Case Study of Siret River Downstream Part", prezentare în format poster în cadrul conferinței naționale 6th Edition of CSSD-UDJG, Galați, 7-8 June 2018.

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PP18. Adrian Roșu, Bogdan Roșu,Daniel-Eduard Constantin, Maxim Arseni, Mirela Voiculescu, Gabriel Murariu, Lucian Puiu Georgescu, and Ionel Popa, „CORRELATIONS BETWEEN NO2 AND O3 OVER MOST POLLUTED AREAS OF THE WORLD USING OMI MEASUREMENTS", prezentare poster la TIM 18 Physics Conference, 24 – 26 May 2018.

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PP21. Daniel Constantin, Gabriel Murariu, **Adrian Rosu**, Lucian Dinca, Ionel Popa, Lucian Georgescu, Comparative Study of the Temporal Dynamics of Atmospheric Pollution. Study Case: Galati City, prezentare poster la 12th ELSEDIMA Conference 17 – 19 May 2018.

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PP22. Corina Bocăneală, Daniel-Eduard Constantin, **Adrian Roșu**, Maxim Arseni, Mirela Voiculescu, The Evolution of NO2 and SO2 Emissions for Some Large Power Plants Located in Romania and Europe, prezentare poster la 12th ELSEDIMA Conference 17 – 19 May 2018.

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PP24. Adrian Roșu, Bogdan Roșu, Daniel Eduard Constantin, Maxim Arseni, Corina Bocaneală, and Lucian Puiu Georgescu, " Estimation of NO_2 concentrations derived from DOAS mobile measurement in South-East of Romania", prezentare tip poster în cadrul conferinței internaționale INTERNATIONAL U.A.B. – B.EN.A. Conference Environmental Engineering and Sustainable Development, Alba Iulia, Romania, May 26, 2017.

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PP27. A. Roșu, D.E. Constantin, C. Bocaneala, M. Arseni and L. P. Georgescu, „Corelation betwen O_3, NO_2 and UV index in Romania", prezentare tip poster în cadrul conferinței internaționale Scientific Conference of Doctoral Schools of „Dunarea de Jos" University, Galati (CSSD-UDJG 2016), 3 June, 2016.

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PP28. Arseni, M., **Roșu, A**., Nicolae A. F. , Georgescu L. P., Constantin, D. E.:. Comparison of models and volumetric determination for Catusa lake, Galati. THE 19th INTERNATIONAL CONFERENCE "NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES" TEHNOMUS XIX, Suceava – ROMANIA, May 12-13, 2017

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Link:https://dokumen.tips/reader/f/conference-program-the-19th-international-scientific-conference-tehnomus

PP29. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală and L. P. Georgescu, „Flood hazard monitoring using the Geographic Information Sistems and remotly sensed data" prezentare tip poster în cadrul conferinței internaționale 11th International Conference ELSEDIMA, May 27, 2016.

Link: http://www.elsedima.ro/index.php?page=news_details&news_id=98&p=123

PP30. Maxim Arseni, Adrian Roșu, Lucian Puiu Georgescu, Gabriel Murariu, Bogdan Roșu and Ionel Popa „FLOOD RISK ASSESSMENT USING HEC-RAS MODELLING: A CASE STUDY ON THE LOWER COURSE OF SIRET RIVER", prezentare poster la TIM 18 Physics Conference, 24 – 26 May 2018.

Link: https://timconference.uvt.ro/archive/tim18/Conference_Schedule_TIM18.pdf

PP31. Arseni Maxim, **Roșu Adrian**, Georgescu Lucian, Murariu Gabriel, „Assessing flooded surface area Using Landsat satellite data on Siret River downstream of lower Danube". Conferința International U.A.B. – B.EN.A. Conference Environmental Engineering And Sustainable Development Alba Iulia, Romania May 25 - 27th, 2017.

Link:https://www.marinaproject.eu/wp-content/uploads/2017/05/UAB-BENA-2017_last.pdf

PP32. Maxim Arseni, **Adrian Roșu**, Lucian Puiu Georgescu, Gabriel Murariu „Single beam acoustic depth measurement techniques and bathymetric mapping for Catusa Lake from Galati" prezentare tip poster în cadrul conferinței internaționale Scientific Conference of Doctoral Schools of „Dunarea de Jos" University, Galati (CSSD-UDJG 2016), 3 June, 2016.

Link: http://www.cssd-udjg.ugal.ro/files/invitatie/Program_detaliat_al_conferintei_2016.pdf

PP33. M. Arseni, **A. Roșu**, D.E. Constantin, C. Bocaneala and L. P. Georgescu, „Photogrammetric Aplications using UAV Systems", prezentare tip poster în cadrul conferinței internaționale Scientific Conference of Doctoral Schools of „Dunarea de Jos" University, Galati (CSSD-UDJG 2016), 3 June, 2016.

Link:http://www.cssd-udjg.ugal.ro/files/invitatie/Program_detaliat_al_conferintei_2016.pdf

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9 LISTĂ PARTICIPĂRI ÎN PROIECTE DE CERCETARE ȘI IMPLEMENTARE:

10 PROIECTE NAȚIONALE (PN)

PN 1. Proiect „Integrated research and sustainable solutions to protect and restore Lower Danube Basin and coastal Black Sea ecosystems", 760010/30.12.2022, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului/ Cercetător – calitatea mediului -II.**

PN 2. Proiect „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din Rezervația Biosferei Delta Dunării pentru conservarea biodiversității și a resurselor halieutice - Complexele lacustre Gorgova-Uzlina, Roșu-Puiu", cod SMIS POIM 120890, finanțat din fonduri europene nerambursabile, contract de finanțare nr. 273 / 27.09.2019., partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului.**

PN 3. Proiect „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din RBDD pentru conservarea biodiversității și a resurselor halieutice Complexele lacustre Dunăvăț Dranov, Razim Sinoie, Zona Sinoie Istria Nuntași", cod SMIS POIM 120892, finanțat din fonduri europene nerambursabile, contract de finanțare nr. 275 / 27.09.2019, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului.**

PN 4. Proiect „Sistem integrat pentru cercetarea și monitorizarea complexă a mediului în aria fluviului Dunarea, REXDAN", cod SMIS 127065, contract de finanțare nr. 309/10.07.2020, coordonator Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Expert tehnic – laborator prelevare probe si observare biodiversitate/Cercetător în ecologie și protecția mediului.**

PN 5. Proiect: „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din RBDD pentru conservarea biodiversității și a resurselor halieutice - Complexele lacustre Șontea-Furtună, Matița-Merhei, Somova Parcheș", POIM cod MySMIS 120889, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Manager proiect/responsabil partener proiect**.

PN 6. Proiect „Revizuirea planului de management și a regulamentului RBDD", cod SMIS 2014+ / 123322, contract de finanțare nr. 253/2019", partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetator in ecologie si protectia mediului**, perioada August 2019 – prezent.

PN 7. Proiectul„Implementarea și exploatarea rezultatelor cercetării științifice în practica restaurării și conservării bunurilor culturale" – IMPLEMENT, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Expert ecolog/asistent de cercetare științifică**, perioada Octombrie 2018 – Decembrie 2020.

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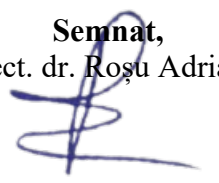

PN 8. Proiectul "Strategie și acțiuni pentru pregătirea participării naționale la proiectul DANUBIUS"-RI (DANS), partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Asistent de cercetare în ecologie și protecția mediului**, perioada Mai 2018 – Octombrie 2018.

PN 9. Proiectul „DEterminarea DIstribuției spațiale a Compoziției ATmosferice folosind tehnica DOAS pe platforme mobile" (DEDICAT-DOAS), PN-II-RU-TE-2014-4-2584, coordonator: Universitatea Dunărea de Jos Galați, angajat în calitate de webmaster și **Asistent cercetare în fizică/Cercetător în ecologie și protecția mediului** DOAS domeniul tehnicii DOAS domeni domeniul tehnicii DOAS.

PN 10. Proiectul Mobilitate Cercetători (PN-III-P1-1.1-MC-2017-1001) Decembruie 2017, Finanțarea stagiului la institutul BIRA-IASB, finanțat de Guvernul României prin contractul cu nr. 2291/2017, subsemnatul angajat în calitate de director de proiect.

PN 11. Proiectul „Tehnologii de valorificare a nămolurilor rezultate din stațiile de epurare orășenești și a deșeurilor din gropile de gunoi", coordonator Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului**, perioada Noiembrie 2017 – Octombrie 2018.

PN 12. Proiectul „Cercetări în sprijinul modernizării sistemului național de monitorizare a ecosistemelor silvice prin utilizarea tehnicilor de teledetecție și a sistemelor de tip UAV" finanțat prin contractul 6PS/02.11.2017, coordonator Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Inginer de cercetare în geodezie**, perioada Noembrie 2017- Octombrie 2018.

PN 13. Proiect: „Innovative Instruments for Environmental Analysis in North western Black Sea basin (Black Sea E-Eye) 1475/2.2.1.72782.221" finanțat prin contractul numărul 1475/2013, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de expert de mediu.

11 PARTICIPĂRI ÎN PROIECTE DE CERCETARE INTERNAȚIONALE (PI)

PI 1. Proiectul „HORIZON-MISS-2021-OCEAN-02, DANUBE REGION WATER LIGHTHOUSE ACTION", Project: 101094070 — DALIA, subsemnatul angajat în calitate de Cercetător în ecologie și protecția mediului, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului/ Cercetător – calitatea mediului -II**.

PI 2. Proiectul „Restoration of wetland complexes as life supporting systems in the Danube Basin -RESTORE4LIFE", Project:101112736/01.06.2023, subsemnatul angajat în calitate de Cercetător în ecologie și protecția mediului, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului/ Cercetător – calitatea mediului -II**.

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PI 3. Proiectul „Technical Assistance For A Romanian Atmospheric Observation System (RAMOS)" proiect finanțat de ESA-ESTEC prin contractul 4000118115/16/NL/FF/GP/2016, coordonator Institutul National de Cercetare Dezvoltare pentru Optoelectronica (INOE), partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **Cercetător în ecologie și protecția mediului**, Octombrie 2017 – Octombrie 2018.

PI 4. Proiectul „Atmospheric studies in support of ESA's sentinel 4 and 5 products (ASSES)", finanțat de ESA (505/2017) , coordonator Institutul National de Cercetare Dezvoltare Aerospatiala "Elie Carafoli" - INCAS (INCAS), partener Universitatea Dunărea de Jos Galați, subsemnatul angajat în calitate de webmaster și **Cercetător în ecologie și protecția mediului**, Octombrie 2017 – Octombrie 2018.

PI 5. Proiectul „Cabauw Intercomparison of Nitrogen Dioxide Measuring Instruments" (CINDI-2), contractul ESA 4000118533/16/I-Sbo, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **asistent cercetare/cercetător** în domeniul tehnicii DOAS.

PI 6. Proiectul „The Airborne ROmanian Measurements of Aerosols and Trace gases" (AROMAT-2), ESA Contract No.4000113511/NL/FF/gp, partener Universitatea „Dunărea de Jos" din Galați, subsemnatul angajat în calitate de **cercetător** în domeniul tehnicii DOAS.

12 RECUNOAȘTEREA REZULTATELOR CERCETĂRII: PREMII OBȚINUTE, CITĂRI (ÎN ARTICOLE ISI ȘI BDI)

12.1 PREMII OBŢINUTE

PR 1. Premiul obtinut la competția națională organizată de UEFISCDI prin programul „Premierea rezultatelor cercetarii - Articole, Competitia 2020 (PRECISI2020)", rezultate cuprinse în lucrarea „Evolution of SO2 and NOx Emissions from Several Large Combustion Plants in Europe during 2005–2015", autori: Constantin, D.-E.; Bocăneala, C.; Voiculescu, M.; **Roşu, A.**; Merlaud, A.; Roozendael, M.V.; Georgescu, P.L., publicat în anul 2020 în revista „International Journal of Environmental Research and Public Health (IJERPH MDPI)", ISSN 1660-4601, cod depunere și participare la competiție 2 PN-III-P1-1.1- PRECISI-2020- 47607, lista de aceptare ce cuprinde si acest manuscris la premiere este disponibilă la adresa: https://uefiscdi.gov.ro/resource-824328-precisi_2020_lista-1_partial-3_verificare-eligibilitate-an-2020_.pdf?&wtok=&wtkps=XU7bjsIgEP0XnrUyzBJw+uIXbDbZL8CClVqlK+1WY/rvAjHZy9OcObccQ4oekZBY9JbVkWSCIL2abLhrM0f1Jbbu0J0GhdaYaRSh5zDvO31Zt82Ab24Nx/utayGHgZjPVxCT8AK7kdUmKY8in38/yetJA9/Wy1I2NDZmSqLMZYqYtcPl43ODigstNJe6lKboD7MSABIBELBMkCX1/i8DnNhfY5o2uwwwoXOwU++qcG2ryR18bKyvvr2bK3MdfRN6Vi9P&wchk=b0a0d8b382a53101fc4e482e96544663dfce72a2).

PR 2. Premiul obtinut la competția națională organizată de UEFISCDI prin programul „Premierea rezultatelor cercetarii - Articole, Competitia 2020 (PRECISI2020)", rezultate cuprinse în lucrarea „Role of Meteorological Parameters in the Diurnal and Seasonal Variation of NO2 in a Romanian Urban Environment", autori: Constantin, D.-E, Voiculescu, M.; **Roşu, A.**; Călmuc,

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V. A.; Balanica, Dragomir, C. M.; Condurache-Bota, S., publicat în anul 2020 în revista „International Journal of Environmental Research and Public Health" (IJERPH MDPI)", ISSN 1660-4601, cod depunere și participare la competiție PN-III-P1-1.1- PRECISI-2020- 49277, lista de aceptare ce cuprinde si acest manuscris la premiere este disponibilă la adresa: https://uefiscdi.gov.ro/resource-824952-precisi_lista-2_rezultate-eligibilitate_articole-2020_10.12.2020.pdf

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12.2 CITĂRI

12.3 CITARE ÎN CARTE PUBLICATĂ ÎN ANUL EVALUAT, ÎN EDITURĂ INTERNAȚIONALĂ DE RENUME

CC 1. Constantin, D. -., Bocăneala, C., Voiculescu, M., **Roşu, A**., Merlaud, A., Van Roozendael, M., & Georgescu, P. L. (2020). Evolution of SO2 and nox emissions from several large combustion plants in europe during 2005–2015. International Journal of Environmental Research and Public Health, 17(10) https://doi.org/10.3390/ijerph17103630

Lucrare citata in capitol de carte pg 148:
Safieddine, S., & Viatte, C. (2023). Reactive Tropospheric Chemistry. Satellites for Atmospheric Sciences 2: Meteorology, Climate and Atmospheric Composition, 143-151. ISBN 1394264771, 9781394264773. https://books.google.ro/books?id=BpzrEAAAQBAJ&source=gbs_navlinks_s

12.4 CITĂRI (ÎN ARTICOLE ISI ȘI BDI)

C 1. **Roșu, A**., D. E. Constantin, L. Georgescu. "Air pollution level in Europe caused by energy consumption and transportation" Journal of Environmental Protection and Ecology no 17.1, ISSN 1311-5065, pg 1-8, 2016, (FI=0.774), link: https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsfGd4OjM2ZWIxNDNlZjYyNjBlODg , citat în Chuai, X.; Fan, C.; Wang, M.; Wang, J.; Han, Y. A Study of the Socioeconomic Forces Driving Air Pollution Based on a DPSIR Model in Henan Province, China. Sustainability 2020, 12, 252. Doi: https://doi.org/10.3390/su12010252

C 2. 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. 2019, 8, 507. Doi: https://doi.org/10.3390/ijgi8110507 , citat in: Malvić, T.; Ivšinović, J.; Velić, J.; Sremac, J.; Barudžija, U. Application of the Modified Shepard's Method (MSM): A Case Study with the Interpolation of Neogene Reservoir Variables in Northern Croatia. Stats 2020, 3, 68-83. Doi: https://doi.org/10.3390/stats3010007

C 3. 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. 2019, 8, 507. Doi: https://doi.org/10.3390/ijgi8110507 , citat in: Halmai, Á.; Gradwohl–Valkay, A.; Czigány, S.; Ficsor, J.; Liptay, Z.Á.; Kiss, K.; Lóczy, D.; Pirkhoffer, E. Applicability of a Recreational-Grade Interferometric Sonar for the Bathymetric Survey and Monitoring of the Drava River. ISPRS Int. J. Geo-Inf. 2020, 9, 149., Doi: https://doi.org/10.3390/ijgi9030149

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C 4. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală, L. P. Georgescu, „Flood hazard monitoring using the geographic information sistems and remotly sensed data”, Carpathian Journal of Earth and EnvironmentaL Sciences 12, no. 2, ISSN Online: 1844 - 489X, 329-334 , 2017, (FI=0.886), http://www.cjees.ro/viewIssue.php?issueId=35, citat in: Ioan Ianoş, Cristian Ionică, Igor Sîrodoev, Anthony Sorensen, Emanuel Bureţa, George Merciu, Mirela Paraschiv, Cristian Tălângă, Inadequate risk management and excessive response to flood disaster create unexpected land use changes and potential local conflicts, Land Use Policy, Volume 88, 2019, 104081, ISSN 0264-8377, https://doi.org/10.1016/j.landusepol.2019.104081.

C 5. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală, L. P. Georgescu, „Flood hazard monitoring using the geographic information sistems and remotly sensed data”, Carpathian Journal of Earth and EnvironmentaL Sciences 12, no. 2, ISSN Online: 1844 - 489X, 329-334 , 2017, (FI=0.886), http://www.cjees.ro/viewIssue.php?issueId=35, citat in: Haidu, I., & Strapazan, C. (2019). Flash Flood Prediction in Small to Medium-Sized Watersheds. Case Study: Bistra River (Apuseni Mountains, Romania). Carpathian Journal of Earth and Environmental Sciences, 14(2), 439-448, DOI:10.26471/cjees/2019/014/093

C 6. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală, L. P. Georgescu, „Flood hazard monitoring using the geographic information sistems and remotly sensed data”, Carpathian Journal of Earth and EnvironmentaL Sciences 12, no. 2, ISSN Online: 1844 - 489X, 329-334 , 2017, (FI=0.886), http://www.cjees.ro/viewIssue.php?issueId=35, citat in: Banescu, A., Georgescu, L. P., Rusu, E., & Iticescu, C. (2018). Use of GIS technology to support the navigation on the Danube River. In International Conference on Traffic and Transport Engineering ICTTE Belgrade (pp. 160-168),link:
http://ijtte.com/uploads/news_files/ICTTE%20Belgrade%202018_Proceedings.pdf

C 7. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală, L. P. Georgescu, „Flood hazard monitoring using the geographic information sistems and remotly sensed data”, Carpathian Journal of Earth and EnvironmentaL Sciences 12, no. 2, ISSN Online: 1844 - 489X, 329-334 , 2017, (FI=0.886), http://www.cjees.ro/viewIssue.php?issueId=35, citat in: Banescu, A., Georgescu, L. P., Rusu, E., & Murariu, G. (2018). Analysis of the floods risk in a sector from the Danube Delta using GIS technologies. International Multidisciplinary Scientific GeoConference: SGEM, 18(2.3), 307-314. DOI: 10.5593/sgem2018/2.3/S11.039

C 8. M. Arseni, **A. Roşu**, D.E. Constantin, C.Bocaneală, L. P. Georgescu, „Flood hazard monitoring using the geographic information sistems and remotly sensed data”, Carpathian Journal of Earth and EnvironmentaL Sciences 12, no. 2, ISSN Online: 1844 - 489X, 329-334 , 2017, (FI=0.886), http://www.cjees.ro/viewIssue.php?issueId=35, citat in: AYKUT, T. Taşkın Risk

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Analizlerinde Kullanılan Uzmana Dayalı Çok Kriterli Karar Verme Yöntemi'nin Tutarlılığı Hakkında Bir Değerlendirme: Pehlivanköy (Kırklareli) İlçesi Örneği/An Evaluation About Consistency Of Using Expert Dependent Multivariable Decision Making Method In Flood Risk Analysis: A Case Study In Pehlivanköy (Kırklareli) District.Link: https://www.researchgate.net/profile/Tunahan_Aykut2/publication/338295728_Taskin_Risk_Analizlerinde_Kullanilan_Uzmana_Dayali_Cok_Kriterli_Karar_Verme_Yontemi'nin_Tutarliligi_Hakkinda_Bir_Degerlendirme_Pehlivankoy_Kirklareli_Ilcesi_Ornegi_An_Evaluation_About_Consistency_Of_U/links/5e0c9c534585159aa4a92fee/Taskin-Risk-Analizlerinde-Kullanilan-Uzmana-Dayali-Cok-Kriterli-Karar-Verme-Yoenteminin-Tutarliligi-Hakkinda-Bir-Degerlendirme-Pehlivankoey-Kirklareli-Ilcesi-Oernegi-An-Evaluation-About-Consistency.pdf

C 9. Alexis Merlaud , Livio Belegante , Daniel-Eduard Constantin , Mirjam Den Hoed , Andreas Carlos Meier , Marc Allaart , Magdalena Ardelean , Maxim Arseni , Tim Bösch , Hugues Brenot , Andreea Calcan , Emmanuel Dekemper , Sebastian Donner , Steffen Dörner , Carmelia Dragomir , Lucian Georgescu , Anca Nemuc , Doina Nicolae , Gaia Pinardi , Andreas Richter , **Adrian Rosu** , Thomas Ruhtz , Anja Schönhardt , Dirk Schuettemeyer , Reza Shaiganfar , Kerstin Stebel , Frederik Tack , Sorin Nicolae Vâjâiac , Jeni Vasilescu , Jurgen Vanhamel , Thomas Wagner , and Michel Van Roozendael (2020). The Airborne ROmanian Measurements of Aerosols and Trace gases (AROMAT) campaigns. Atmospheric Measurement Techniques Discussions, 1-34. https://doi.org/10.5194/amt-2019-496, in review, 2020 citat in: Tack, F., Merlaud, A., Iordache, M. D., Pinardi, G., Dimitropoulou, E., Eskes, H., ... & Van Roozendael, M. (2020). Assessment of the TROPOMI tropospheric NO 2 product based on airborne APEX observations. Atmospheric Measurement Techniques Discussions, 1-55. https://doi.org/10.5194/amt-2020-148, in review, 2020.

C 10. **Roșu, A**., D. E. Constantin, L. Georgescu. "Air pollution level in Europe caused by energy consumption and transportation" Journal of Environmental Protection and Ecology no 17.1, ISSN 1311-5065, pg 1-8, 2016, (FI=0.774). Link: https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3VybmFsfGd4OjM2ZWIxNDNlZjYyNjBlODg, citat in: Nicolae, F., Roman, I., & Cotorcea, A. (2017). Air Pollution from the Maritime Transport in the Romanian Black Sea Coast. Revista Cercetări Marine - Revue Recherches Marines - Marine Research Journal, 47(1), 260-266. Link: http://www.marine-research-journal.org/index.php/cmrm/article/view/71

C 11. **Roșu, A**., D. E. Constantin, L. Georgescu. "Air pollution level in Europe caused by energy consumption and transportation" Journal of Environmental Protection and Ecology no 17.1, ISSN 1311-5065, pg 1-8, 2016, (FI=0.774). Link: https://docs.google.com/a/jepe-journal.info/viewer?a=v&pid=sites&srcid=amVwZS1qb3VybmFsLmluZm98amVwZS1qb3Vyb

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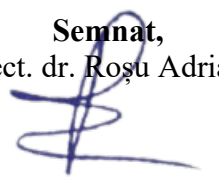

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