

CURRICULUM VITAE



DATE PERSONALE

NUME ȘI PRENUME Avram Sorin
DATA ȘI LOCUL NAȘTERII Craiova 07.02.1981
NAȚIONALITATE Romana
E-MAIL sorin.avram@edu.ucv.ro

STUDII

EDUCAȚIE FORMALĂ

(01.10.2017 – 30.05.2023) Doctor in Economie: Institutul Național de Cercetări Economice Costin C. Kirițescu – Academia Română, București

(01.10.2008 – 04.07.2011) Doctor in Geografie: Facultatea de Geografie, Universitatea din București

(08.01.2008 – 15.12.2008) Master: Economia și managementul mediului Bocconi University, Milano, Italy

(01.10.2006 – 31.06.2008) Master: Mediul geografic. Protecția și valorificarea durabilă a resurselor naturale, Facultatea de Științe Sociale; Universitatea din Craiova

(01.10.2002 – 31.06.2006) Licență: Geografie – Limba și literatură italiană, Facultatea de Istorie, Filosofie, Geografie; Universitatea din Craiova

CURSURI, STAGII DE PERFECTIONARE PROFESIONALĂ

(01.07.2017 – 12.07.2017) Introduction to GIS, Bucharest, ESRI Romania

(02.07.2017 – 14.07.2017) ArcGIS Pro: Essential Workflows, Bucharest, ESRI Romania

APTITUDINI ȘI COMPETENȚE

LIMBI STRĂINE Italiană
Engleză

COMPETENȚE DIGITALE Office, Corell, Adobe, ESRI, ENVI, QGIS, R, SPSS, XLStat, Eviews

DATE PROFESIONALE

TITLUL ȘTIINȚIFIC	Conf. univ. dr.
TEZA DE DOCTORAT (TITLU, INSTITUȚIE)	Extinderea franjei rur-urbane a orașului Craiova și impactul asupra mediului, Facultatea de Geografie, Universitatea din București Polii urbani de creștere economică din România, Institutul Național de Cercetări Economice „Costin C. Kirițescu”, Academia Română
EXPERIENȚA PROFESIONALĂ	
PERIOADA	
01.08.2021 – PREZENT	Membru în Colegiului Științific al Agenției Naționale pentru Aree Naturale Protejate din România
01.10.2012 – 31.09.2022	Lector universitar doctor, Universitatea din Craiova – Departamentul de Geografie, Craiova, România
(01.12.2015 – 31.01.2016)	Consilierul Ministrului Mediului pe probleme de mediu, Ministerul Mediului
(01.01.2012 – 30.09.2012)	Asistent universitar doctor, Universitatea din Craiova – Departamentul de Geografie, Craiova, România
(01.09.2007 – 31.12.2011)	Asistent universitar doctorand, Universitatea din Craiova – Departamentul de Geografie, Craiova, România
FUNCȚIA ACTUALĂ, LOCUL DE MUNCĂ	
PERIOADA	
01.10.2022 - PREZENT	Conferențiar universitar doctor (Conf. univ. dr.) Universitatea din Craiova – Departamentul de Geografie, Craiova, România
01.04.2016 – PREZENT	Cercetător (CS III), Institutul Național de Cercetări Economice Costin C. Kirițescu – Academia Română, București, România
ACTIVITATEA DIDACTICĂ	
	Cartografie, Topografie, Fotogrammetrie GIS Organizarea spațiului geografic
MEMBRU ÎN COMITETUL DE REDACȚIE AL UNOR PUBLICAȚII ȘTIINȚIFICE	Editor, Land Journal, MDPI, Special issue - Land Dynamics in the Urbanization Process: Climate Change, Economic Transitions, and Demographic Shifts Editor, Forest and Global Change Journal, Frontiers, Special issue - Spatial Dynamics and Ecosystem Services in Diverse Forest Landscapes: Integrating AI and Geospatial Techniques

ACTIVITATEA DE CERCETARE

Participarea la studii
și proiecte de
cercetare

• *în calitate de
membru*

- Expert, (2022), Strategia de dezvoltare durabilă a turismului în județul Prahova 2022-2030, Consiliul județean Prahova
- Expert, (2022), Strategia de dezvoltare locală a Comunei Măneciu județul Prahova, Beneficiar: primăria Măneciu
- Expert, Servicii pentru elaborarea Strategiei de dezvoltare a județului Hunedoara pentru perioada 2021-2030, Beneficiar: Consiliul Județean Hunedoara
- Expert, Servicii de actualizare a Strategiei de Dezvoltare locală a localității Breaza, Beneficiar: Orașul Breaza
- Expert, Servicii de consultanță în vederea elaborării Strategiei Energetice a Sectorului 3, municipiul București, Beneficiar: Primăria Sector 3, Municipiul București
- Expert, Servicii de elaborare a studiilor cu privire la producerea, depozitarea, transportul, distribuția și utilizarea hidrogenului în acord cu Pactul Ecologic European, Beneficiar: Compania Națională pentru Controlul Cazanelor, Instalațiilor de Ridicat și Recipientelor sub Presiune SA (CNCIR)
- Expert, Servicii de elaborare a Strategiei energetice a județului Prahova, Beneficiar: Institutul Național de Cercetare – Dezvoltare pentru Tehnologii Criogenice și Izotopice - ICSI
- Expert, Studii de specialitate pentru fundamentarea Planului Teritorial pentru o Tranziție Justă a Județului Prahova, Beneficiar: Consiliul Județean Prahova
- Expert de cercetare, (2020), SIPOCA 607 - A.N.A.N.P. - Pilon strategic în dezvoltarea comunităților locale și a mediului de afaceri prin consolidarea capacității administrative în ariile naturale protejate din România
- Expert de cercetare, (2016-2017), Mapping the damaged ecosystems at national level, Romanian Environment Ministry
- Expert de cercetare, (2017), Creating the national GIS database for damaged ecosystems, Romanian Environment Ministry
- Expert de cercetare, (2017), Create the National Strategy for the Conservation of the Biodiversity, Romanian Environment Ministry
- Expert de cercetare, (2017), Create the National Procedure to monitoring the improvement of the national ecosystems, Romanian Environment Ministry
- Expert de cercetare Erasmus+ contract, (2014-2016), GUTS: Generations Using Training for Social inclusion in 2020, 2014-1-NL01-KA204-001286
- Expert de cercetare, (2010), The Oltenia Plain – Drought and Land Use Changes, Beneficiary: Centre National d'Etudes Spatiales (CNES), France (partners in the project financing: Spot Image, ESRI, UNESCO, DEFINIENS, ITT, NSPO, CRISP, DIGITAL GLOBE, ESA – European Space Agency)
- Expert de cercetare, (2008), Complex method for the elaboration of the digital geomorphologic map of Romania through GIS/Remote Sensing technologies, a support for implementing the environment European directives, Partnership; Beneficiary: CNMP
- Expert de cercetare, Contract no. 495/2007, Documentation regarding the

modification of the limit of Buila Vânturarița National Park, Industry Ministry

● *în calitate de coordonator*

- Coordonator program cercetare aplicativă – partener Academia Română, proiect „Dezvoltarea competențelor de cercetare avansată și aplicată în logica STEAM+. Health”, Beneficiar Universitatea Babeș-Bolyai, perioada 2022 – 2023
- Director, (2019), Consulting services for setting-up and running a Knowledge Transfer Network to promote good agricultural practice and reduce the risk of nitrate pollution in the West, North-West and Center Development Regions, No 03/QBS//2018, Word Bank
- Director, (2019), Consulting services for setting-up and running a Knowledge Transfer Network to promote good agricultural practice and reduce the risk of nitrate pollution in the South-Muntenia, Bucuresti-Ilfov and South-West Oltenia Development Regions, No 02/QBS//2018, Word Bank
- Director, (2019), Consulting services for setting-up and running a Knowledge Transfer Network to promote good agricultural practice and reduce the risk of nitrate pollution in the North-East and South-East Development Regions, No 01/QBS//2018, Word Bank
- Director, (2018), Assessing the Impact of Demographic Trends in European Metropolitan Areas upon Sustainable Development by using Principal Component Analysis and Hierarchical Classification techniques, MC-2018-3369, PN-III-P1-1.1, UEFSCDI
- Coordonator activitate, (2016), Development of the Environment Romanian Ministry to Implement Politics in Biodiversity Sector, MMAP – INCE
- Manager, Erasmus+ contract, (2014-2016), GUTS: Generations Using Training for Social inclusion in 2020, 2014-1-NL01-KA204-001286
- Manager, (2014), The sustainability of Craiova Metropolitan Area, University of Craiova research program
- Manager, (2009), Land use patterns in the rural-urban fringe of the city of Craiova, in the context of climatic changes, Beneficiary: Centre National d'Etudes Spatiales (CNES), France

**PARTICIPAREA
LA MANIFESTĂRI
ȘTIINȚIFICE**

● *Internațională*

- Iulian Niculae, Gabriel Vânău, Sorin Avram, (2025), Inside vs. Outside: distinct patterns within and around Romania's Natural Parks, The 3rd International Conference: Geographical Science and Future of Earth, Bucharest University, Geographu Faculty, Bucharest. <https://geoeearth.unibuc.ro/programme/cpe>
- Irina Onțel, Luminița Chivu, Sorin Avram - Urban Socio-Economic Resilience to Climate Change: A Literature Review for the Period 1990–2025, The 12th International Conference – ESPERA, Pivotal changes in the global landscape amid challenging conditions. Prospects for stronger resilience, potential disruptions and key governance policies, Bucharest, 16-17 October, 2025.
https://ince.ro/ESPERA/Agenda_ESPERA_2025_14.10.2025_FINAL.pdf

- Alexandru Sin-Schneider, Czesław Nowak, Carmen Adriana Gheorghe, Sorin Avram - Aspects of Post-2027 CAP Proposals, The 12th International Conference – ESPERA, Pivotal changes in the global landscape amid challenging conditions. Prospects for stronger resilience, potential disruptions and key governance policies, Bucharest, 16-17 October, 2025.
https://ince.ro/ESPERA/Agenda_ESPERA_2025_14.10.2025_FINAL.pdf
- Avram, S., Chivu, L., Onțel, I., & Gheorghe, C. (2025, October 16-17). Migration policies in the European Union: Comparative insights from demographic and mobility statistics. In *Pivotal changes in the global landscape amid challenging conditions. Prospects for stronger resilience, potential disruptions and key governance policies*. The 12th International Conference – ESPERA, Bucharest, Romania. https://ince.ro/ESPERA/Agenda_ESPERA_2025_14.10.2025_FINAL.pdf
- Sin-Schneider, A., Tan, Y., Gheorghe, C. A., & Avram, S. (2025, October 16-17). Effects of CAP 2014-2020 on EU agricultural exports. In *Pivotal changes in the global landscape amid challenging conditions. Prospects for stronger resilience, potential disruptions and key governance policies*. The 12th International Conference – ESPERA, Bucharest, Romania. https://ince.ro/ESPERA/Agenda_ESPERA_2025_final-1-.pdf
- Sin-Schneider, A., Nowak, C., Gheorghe, C. A., & Avram, S. (2024, October 17-18). Aspects of the spatial distribution of rural development projects in Romania and Poland. In *Transformational drivers of national economies. Developing policy options and tools tailored to targeted reforms*. The 11th International Conference – ESPERA, Bucharest, Romania. https://ince.ro/ESPERA/Agenda_ESPERA_2024_final-1-.pdf
- Sin-Schneider, A., Tan, Y., Gheorghe, C. A., & Avram, S. (2024, October 17-18). Effects of EAFRD implementation on agricultural production at NUTS2 level in Romania. In *Transformational drivers of national economies. Developing policy options and tools tailored to targeted reforms*. The 11th International Conference – ESPERA, Bucharest, Romania. https://ince.ro/ESPERA/Agenda_ESPERA_2024_final-1-.pdf
- Avram, S., Onțel, I., & Chivu, L. (2024, September 24-25). Demographic structures and economic development in small and medium-sized cities: A three-tiered analysis. In *Statistical modeling with applications*. StatMod 2024, Belgrade, Serbia. <https://statmod2024.sciencesconf.org/>
- Sin-Schneider, A., Ghimuș, C. D., Nowak, C., Gheorghe, C. A., & Avram, S. (2023, November 23-24). Aspects of research conducted on CAP's implementation results in areas related to rural development. In *Europe in the new world economy. Emerging research topics, methodologies, and techniques in approaching future economic challenges*. The 10th International Conference

- ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Negreanu, Ș., & Avram, S. (2023, November 23-24). Tracing the echoes of time: Human presence and economic activities in present day territory of Romania from the Quaternary to the present. In *Europe in the new world economy. Emerging research topics, methodologies, and techniques in approaching future economic challenges*. The 10th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Niculae, M. I., Vânău, G. O., & Avram, S. (2023, November 23-24). Demographic trends and human impact on landscape fragmentation: A Corine land cover data analysis of artificial surface expansion. In *Europe in the new world economy. Emerging research topics, methodologies, and techniques in approaching future economic challenges*. The 10th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Avram, S., Onțel, I., Sin-Schneider, A., & Gheorghe, C. A. (2023, November 23-24). Climate-induced population mobility in Europe: Vulnerability, migration potential, and hosting regions. In *Europe in the new world economy. Emerging research topics, methodologies, and techniques in approaching future economic challenges*. The 10th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Niculae, M. I., Vânău, G. O., Avram, S., Gheorghe, C., Pioarca-Ciocanea, C. M., Pîndaru, L. C., & Miu, V. I. (2023, November 17-18). Assessing Romania's terrestrial protected areas network using connectivity metrics. In *Environment at crossroads: Smart approaches for a sustainable future*. International Conference ECOSMART, Bucharest, Romania. <https://conference.geo.unibuc.ro/ecosmart23/>
- Vânău, G. O., Niculae, M. I., Miu, V. I., Pioarca-Ciocanea, C. M., Pîndaru, L. C., Popa, A. M., Avram, S., & Gheorghe, C. (2023, November 17-18). Vacaresti Nature Park vs Tineretului Urban Park – Visitors profile and perception towards ecosystem services. In *Environment at crossroads: Smart approaches for a sustainable future*. International Conference ECOSMART, Bucharest, Romania. <https://conference.geo.unibuc.ro/ecosmart23/>
- Avram, S., Anghel, L., & Niculae, I. (2023, November 17-18). Demographic challenges for the urban poles of economic growth due to technological transformations and artificial intelligence. In *Environment at crossroads: Smart approaches for a sustainable future*. International Conference ECOSMART, Bucharest, Romania. <https://conference.geo.unibuc.ro/ecosmart23/>
- Avram, S., & Anghel, L. (2023). The relationship between demography and economic growth within the urban poles of economic growth: A perspective on the evolution models in the context of the adoption of AI technologies. In *Statistical modeling with*

- applications. StatMod 2023, Bucharest, Romania. <https://statmod2023.sciencesconf.org/>
- Avram, S. (2022). The demographic component of the research activity within the urban poles of economic growth in Romania. In *Constraints and opportunities in shaping the future. New approaches to economics and policy making*. The 9th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Corpade, A., Pascu, I. S., Corpade, C., Avram, S., & Gheorghe, C. A. (2022). Nature parks—Between biodiversity conservation and demographic decline: A case study in Apuseni Nature Park. In *Constraints and opportunities in shaping the future. New approaches to economics and policy making*. The 9th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Neniu, A., & Avram, S. (2022). Spatio-temporal analysis of higher education graduation rates in urban growth poles in relation to their competitiveness. In *Constraints and opportunities in shaping the future. New approaches to economics and policy making*. The 9th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Neniu, S., & Avram, S. (2022). The impact of digitalisation on higher education entities in Romania. In *Constraints and opportunities in shaping the future. New approaches to economics and policy making*. The 9th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Ghizdeanu, I., Avram, S., Sin Schneider, A., & Cace, C. A. (2022). The change of the population forecasting models and methodologies – A requirement to increase the circulation of contingents. In *Statistical modeling with applications*. StatMod 2022, Bucharest. <https://statmod2022.sciencesconf.org/>
- Gheorghe, C. A., Chivu, L., Ghizdeanu, I., Oprea, M. G., Avram, S., Vlădescu, M. I., Rădoi, A., & Cace, C. A. (2022). Rural development in the context of internal population movement. In *Economie agrară și dezvoltare rurală - Realități și perspective pentru România* [Agricultural economy and rural development - Realities and perspectives for Romania]. The 13th Edition Symposium, Romania. <https://simpozion.rdrp.org/>
- Gheorghe, C. A., Chivu, L., Ghizdeanu, I., Oprea, M. G., Avram, S., Vlădescu, M. I., Rădoi, A., & Cace, C. A. (2022). Reziliența spațiului rural românesc la crize în contextul schimbărilor demografice la nivel național [Resilience of Romanian rural space to crises in the context of demographic changes at national level]. In *Economie agrară și dezvoltare rurală - Realități și perspective pentru România* [Agricultural economy and rural development - Realities and perspectives for Romania]. The 13th Edition Symposium, Romania. <https://simpozion.rdrp.org/>
- Gheorghe, C., Chivu, L., Oprea, M. G., Vlădescu, Rodino, S., & Avram, S. (2022). Reverse migration in Romania at regional level.

- In *International scientific event economy-history-society* (2nd ed.). Romania.
- Niculae, M. I., Vanau, G. O., Avram, S., Miu, V. I., Pioarca-Ciocanea, C. M., & Pandaru, L. C. (2022, October 6-8). Methods and instruments used in connectivity analysis of protected areas. In *Geographical research and cross border cooperation* (6th ed.). Craiova, Romania. <https://forumgeografic.ro/>
- Avram, S., Neniu, A., & Gheorghe, C. (2022, October 6-8). The dynamics of territorial expansion of urban growth poles in Romania. In *Geographical research and cross border cooperation* (6th ed.). Craiova, Romania. <https://forumgeografic.ro/>
- Avram, S., Corpade, A. M., Corpade, C. P., & Roșca, S. (2021, December 9-10). Demographical evolution of communities in/near protected areas in Romania – Opportunities and threats. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Drăghici, D., & Avram, S. (2021, December 9-10). The influence of demographic characteristics on the development of tourism from the South-West Oltenia Region. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Neniu, A., & Avram, S. (2021, December 9-10). Socio-demographic context of the unemployment rate in the period 2010-2020, in the SV Oltenia Development Region. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Roșca, S., Avram, S., Corpade, A. M., & Hysa, A. (2021, December 9-10). Multirisk assessment for the urban economic growth: Case study—The urban economic growth poles of Romania. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Sin-Schneider, A., Chivu, L., Maloș, C., & Avram, S. (2021, December 9-10). Aspects of the absorption effects of EU funds for rural communities on Natura 2000 sites. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Vânău, G., Niculae, M. I., & Avram, S. (2021, December 9-10). Analysis of demographic factors and protected areas in Romania at regional level. In *The crisis after the crisis. When and how the new normal will be*. The 8th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Gheorghe, C. A., Anghel, L., Avram, S., & Radoi, A. (2021, November 25). Interdisciplinary approaches to core demographic indicators. In *Innovative techniques, diversity & connectivity* (4th ed.). The Workshop on Innovative Techniques, Diversity & Connectivity, Center for Research and Training in Innovative Techniques of Applied Mathematics in Engineering "Traian

- Lalescu", Braşov, Romania.
- Gheorghe, C., Rodino, S., Avram, S., & Gheorghe, L. G. (2021, December 16-17). Highlights and limitations of Harrod-Domar model on optimal regional growth. In *Recent advances in economic and social research* (7th ed.). International Conference, Academia Română – IPE, Bucharest, Romania. <https://raesr.ipe.ro/>
- Vânău, G., Niculae, I., Avram, S., & Gheorghe, C. (2021, November 12). Spatial data usable for protected area management in Romania. In *Geographical sciences and the future of earth* (2nd ed.). International Conference, Bucharest, Romania. <https://geoearth.unibuc.ro/>
- Butu, A., Morais, P., Butu, M., Avram, S., & Rodino, S. (2020, November 26-27). Recovery of critical metals from mine tailings. In *30 years of inspiring academic economic research – From the transition to a market economy to the interlinked crises of 21st century*. The 7th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Butu, M., Anghel, L., Avram, S., & Rodino, S. (2020, November 26-27). An overview on the impact of technological advances on labor market. In *30 years of inspiring academic economic research – From the transition to a market economy to the interlinked crises of 21st century*. The 7th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Sin, A., Gheorghe, C., & Avram, S. (2020, November 26-27). Rural poverty and EAFRD small farms projects distribution in Romania during 2014-2019. In *30 years of inspiring academic economic research – From the transition to a market economy to the interlinked crises of 21st century*. The 7th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Gheorghe, C., Anghel, L., & Avram, S. (2020, November 26-27). Improving agricultural practices by smart farming technology: Remote controlled agricultural equipment technology from economic perspective. In *30 years of inspiring academic economic research – From the transition to a market economy to the interlinked crises of 21st century*. The 7th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>
- Butu, M., Rodino, S., Avram, S., Fidler, G., & Butu, A. (2020, August 16-25). Biorecovery of high-tech metals from electric and electronic waste. In *Surveying, geology and mining, ecology and management*. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, Albena, Bulgaria. <https://www.sgem.org/>
- Sin, A., Avram, S., & Gheorghe, C. (2019, October 10-11). Modelling the causal relationship between demographic trends and agricultural production in Romania. In *Economic scientific research – Theoretical, empirical and practical approaches*. The 6th International Conference – ESPERA, Bucharest, Romania. <https://www.conferinte-ince.ro/>

**LISTA
LUCRĂRILOR
PUBLICATE
ARTICOLE**

● *ISI*

1. Ontel, I., Avram, S., Gheorghe, C. A., Niculae, M. I., Pascu, I. S., & Rodino, S. (2025). Shifting vegetation phenology in protected areas: A response to climate change. *Ecological Informatics*, 85, 102962. <https://doi.org/10.1016/j.ecoinf.2025.102962>
Numărul total de pagini: 31
Factor de Impact (2024): 7.3
DOI: <https://doi.org/10.1016/j.ecoinf.2025.102962>
Acces: <https://www.sciencedirect.com/science/article/pii/S1574954124005041>
2. Andrei, J. V., Avram, S., Băncescu, I., Gâf Deac, I. I., Gheorghe, A. C., & Diaconu, A. I. (2022). Decoupling of CO₂ and N₂O agriculture emissions in the EU. *Frontiers in Environmental Science*, 10, 920458. <https://doi.org/10.3389/fenvs.2022.920458>
Numărul total de pagini: 20
Factor de Impact (2022): 4.46
DOI: <https://doi.org/10.3389/fenvs.2022.920458>
Acces: <https://www.frontiersin.org/articles/10.3389/fenvs.2022.920458/full>
3. Avram, S., Ontel, I., Gheorghe, C., Rodino, S., & Rosca, S. (2021). Applying a complex integrated method for mapping and assessment of the degraded ecosystem hotspots from Romania. *International Journal of Environmental Research and Public Health*, 18(21), 11416. <https://doi.org/10.3390/ijerph18211416>
Numărul total de pagini: 23
Factor de Impact (2021): 4.44
DOI: <https://doi.org/10.3390/ijerph18211416>
Acces: <https://www.mdpi.com/1660-4601/18/21/11416>
4. Andrei, J. V., Avram, S., Băncescu, I., Gâf Deac, I. I., & Gheorghe, C. (2021). Evolution of Romania's economic structure and environment degradation—An assessment through LMDI decomposition approach. *Risk Management and Healthcare Policy*, 14, 3505–3521. <https://doi.org/10.2147/RMHP.S299617>
Pagini: 3505–3521
Numărul total de pagini: 17
Factor de Impact (2021): 2.68
DOI: <https://doi.org/10.2147/RMHP.S299617>
5. Avram, S., Cipu, C., Corpade, A. M., Gheorghe, C. A., Manta, N., Niculae, M. N., Pascu, I. S., Szép, R. E., & Rodino, S. (2021). GIS-based multi-criteria analysis method for assessment of lake ecosystems degradation—Case study in Romania. *International Journal of Environmental Research and Public Health*, 18(11), 5915. <https://doi.org/10.3390/ijerph18115915>
Numărul total de pagini: 18
Factor de Impact (2021): 4.44
DOI: <https://doi.org/10.3390/ijerph18115915>
Acces: <https://www.mdpi.com/1660-4601/18/11/5915>

6. Niculae, I. M., Avram, S., Corpade, A. M., Dedu, S., Gheorghe, C. A., Pascu, I. S., Ontel, I., & Rodino, S. (2021). Evaluation of the quality of lentic ecosystems in Romania by a GIS based WRASTIC model. *Nature Scientific Reports*, 11, 5361. <https://doi.org/10.1038/s41598-021-84802-9>
 Numărul total de pagini: 12
 Factor de Impact (2021): 4.56
 DOI: <https://doi.org/10.1038/s41598-021-84802-9>
 Acces: <https://www.nature.com/articles/s41598-021-84802-9>

7. Vîlcea, C., & Avram, S. (2019). Using GIS methods to analyse the spatial distribution and public accessibility of pharmacies in Craiova city, Romania. *Bulletin of Geography. Socio-Economic Series*, 45(45), 125–132. <https://doi.org/10.2478/bog-2019-0028>
 Pagini: 125–132
 Numărul total de pagini: 8
 Factor de Impact (2019): 0.8
 DOI: <https://doi.org/10.2478/bog-2019-0028>
 Acces: <https://apcz.umk.pl/BG-SE/article/view/39085>

8. Avram, S., Chivu, L., Gheorghe, C. A., & Sin, A. (2019). The influence of Timisoara urban pole on economic growth and socio-demographic dynamics. In L. Chivu, V. Ioan-Franc, G. Georgescu, & J. V. Andrei (Eds.), *The Romanian economy: A century of transformation (1918–2018). Proceedings of ESPERA 2018*. Peter Lang. <https://doi.org/10.3726/978-3-653-06573-2>, ISBN: 978-3-631-79205-6, DOI: <https://doi.org/10.3726/978-3-653-06573-2>

9. Negreanu, S., Soare, B., & Avram, S. (2018). Clay minerals identified in red quaternary deposits, from Valea Anilor area (Mehedinți County, Romania), using XRD and IR absorption analysis. *Carpathian Journal of Earth and Environmental Sciences*, 13(2), 447–452. <https://doi.org/10.26471/cjees/2018/013/038>
 Pagini: 447–452
 Numărul total de pagini: 6
 Factor de Impact (2018): 0.907
 DOI: <https://doi.org/10.26471/cjees/2018/013/038>

10. Avram, M., Mititelu-Ionuș, O., Niculae, M. I., Pătroescu, M., Badiu, D. L., & Avram, S. (2018). The role and importance of water bodies for the structure and functions of urban oxygenating surfaces: Case study: South-West Oltenia Development Region, Romania. In *Proceedings of the 4th International Conference Water Resources and Wetlands* (pp. 42–47). Tulcea, Romania, September 5-9, 2018. Retrieved from <http://www.limnology.ro/wrw2018/proceedings.html>
 Pagini: 42–47

11. Niculae, M. N., Avram, S., Vânău, G. O., & Pătroescu, M. (2017). Effectiveness of Natura 2000 network in Romanian Alpine biogeographical region: An assessment based on forest landscape connectivity. *Annals of Forest Research*, 60(1), 19–32. <https://doi.org/10.15287/afr.2017.799>
 Pagini: 19–32

Numărul total de pagini: 14
Factor de Impact (2017): 0.811
DOI: <https://doi.org/10.15287/afr.2017.799>

12. Vilcea, C., Avram, S., & Negreanu, S. (2014). The role of green infrastructure in promoting societal health and well-being in the metropolitan area of Craiova city. In *Proceedings of the 14th Conference on Ecology, Economics, Education and Accreditation* (Vol. III). Albena, Bulgaria. Locația conferinței: Albena, Bulgaria, Volum: III
13. Boengiu, S., & Avram, S. (2009). Balacita piedmont. A model of formation and evolution. *Zeitschrift für Geomorphologie – Annals of Geomorphology*, 53 (Supplementary Issue 2), 101–111. <https://doi.org/10.1127/0372-8854/2009/0053S3-0101>
Pagini: 101–111
Numărul total de pagini: 11
DOI: <https://doi.org/10.1127/0372-8854/2009/0053S3-0101>
14. Avram, S., Vlăduț, A., & Curcan, Gh. (2012). Impact of urban planning upon urban road traffic within Craiova city (Romania). In T. Brandrova, M. Konecny, & G. Zhelezov (Eds.), *Proceedings of the 4th International Conference on Cartography & GIS* (pp. 323–331). Sofia, Bulgaria.
Pagini: 323–331
Numărul total de pagini: 9
15. Marinescu, I., & Avram, S. (2012). Evaluation of urban fragmentation in Craiova city, Romania. *Procedia Environmental Sciences*, 14, 207–215. <https://doi.org/10.1016/j.proenv.2012.03.020>
Pagini: 207–215
Numărul total de pagini: 9
DOI: <https://doi.org/10.1016/j.proenv.2012.03.020>
Acces: <https://www.sciencedirect.com/science/article/pii/S1878029612001259>
16. Avram, S., Vlăduț, A., Curcan, Gh., & Boengiu, S. (2012). GIS utilization in determining the limits between low morphological units. *Journal of Environmental Biology*, 33 (Special Issue), 431–438. ISSN: 0254-8704.
Pagini: 431–438
Numărul total de pagini: 8
Factor de Impact (2012): 0.73
ISSN: 0254-8704
17. Boengiu, S., Avram, S., & Vlăduț, A. (2009). The influence of climate on gravitational processes within the Jiu River Valley: G.I.S. applications. *Central European Journal of Geosciences*, 1(3), 303–311. <https://doi.org/10.2478/v10085-009-0025-4>
Pagini: 303–311
Numărul total de pagini: 9
DOI: <https://doi.org/10.2478/v10085-009-0025-4>

●BDI

1. Niculae, M. I., Vanau, G., Avram, S., Onțel, I., Gheorghe, C. A., Corpade, A. M., Maloș, C., & Privitera, D. (2024), Demographic trends and human

impact on landscape: A Corine Land Cover data analysis of artificial surface expansion. In *Advances in Applied Economic Research* (pp. 201–217). Springer. https://doi.org/10.1007/978-3-031-71329-3_11
 Pagini: 201–217 (17 pagini)
 Editură: Springer
 Tip: Proceedings - Springer Proceedings in Business and Economics

2. Butu, A., Morais, P. V., Butu, M., Avram, S., & Rodino, S. (2024), Recovery of critical metals from mine tailings. In *Advances in Applied Economic Research* (pp. TBD). Springer. https://doi.org/10.1007/978-3-031-47925-0_24
 Pagini: 15
 Editură: Springer
 Tip: Proceedings - Springer Proceedings in Business and Economics

3. Neniu, A., Avram, S., & Gheorghe, C. (2023), Geospatial characteristics of unemployment for the period 2010–2020 in the South-West Oltenia Development Region, Romania. In *Advances in Applied Economic Research* (pp. TBD). Springer. https://doi.org/10.1007/978-3-031-30996-0_18
 Pagini: 15
 Editură: Springer
 Tip: Proceedings - Springer Proceedings in Business and Economics

4. Niculae, M. I., Avram, S., & Vanau, G. O. (2019), Analysis of the land use and land cover change in the Romanian subcarpathian area, in the post-communism period. In *International Multidisciplinary Scientific GeoConference – SGEM Proceedings* (Vol. 19, No. 5.1, pp. 31–38). <https://doi.org/10.5593/SGEM2019/5.1/S20.004>
 Pagini: 31–38 (8 pagini)
 Conferință: SGEM 2019

5. Niculae, M. I., Avram, S., Vanau, G. O., & Pătroescu, M. (2018), Landscape fragmentation analysis using landscape metrics and Corine Land Cover data. Case study: Curvature Subcarpathians (Romania). In *International Multidisciplinary Scientific GeoConference – SGEM Proceedings* (Vol. 18, No. 5.2, pp. 561–568). <https://doi.org/10.5593/SGEM2018/5.2/S20.073>
 Pagini: 561–568 (8 pagini)
 Conferință: SGEM, Albena, Bulgaria

6. Vîlcea, C., Avram, S., & Florescu, C. (2018), Using GIS methods to analyze spatial characteristics of urban transportation system in Craiova city. *Forum Geografic*, 17(2), 139–145. <https://doi.org/10.5775/FG.2018.139.I>
 Pagini: 139–145 (7 pagini)/ ISSN: 1584-1753

7. Niculae, M. I., Avram, S., Vanau, G. O., & Pătroescu, M. (2017), Habitat fragmentation due to transport infrastructures in Romania's protected areas network. In *International Multidisciplinary Scientific GeoConference – SGEM Proceedings* (Vol. 17, No. 52, pp. 433–440). <https://doi.org/10.5593/SGEM2017/52/S20.056>
 Pagini: 433–440 (8 pagini)

Conferință: SGEM, Albena, Bulgaria

8. Drăcea, R., Cîrciumaru, D., & Avram, S. (2017), The need for GDP growth and energy efficiency. Evidence from Romania. In *International Multidisciplinary Scientific GeoConference – SGEM Proceedings* (Vol. 17, No. 42, pp. TBD). <https://doi.org/10.5593/SGEM2017/42/S17.075>
Pagini: 8-10
Conferință: SGEM, Albena, Bulgaria

CĂRȚI

1. Avram S., (2025), Polii urbani de creștere economică din România, Edit. Universitaria, Craiova
2. Avram S., Adi Croitoru, Corpade Ana Maria, Corpade C., Dedu Silvia, Gheorghe Carmen, Malos C.V., Manta N., Niculae M.I., Ontel Irina, Pascu I.S., Robu M., Roman Anamaria, Samoila C., Sin- Schneider A., Szep R.E., Tanase I., Ursu T.M., Vlaicu M., (2021), Atlasul ecosistemelor degradate din România, Edit. Academiei Române
3. Avram S., Croitoru Adi, Gheorghe Carmen, Manta N., et al, (2018), Cartarea ecosistemelor naturale și seminaturale degradate, Edit. Romanian Academy, Bucharest
4. Avram S., (2012), Cartography and Topography, Study support, ISBN 978-973-0-13134-5
5. Avram S., (2011), Expansion of the rural-urban of Craiova city and its environment impact, ISBN 978-973-0-10924-5.
6. Grigoraș C., Boengiu S., Vladut A., Grigoras Elena-Narcisa, Avram S., (2008) – Soils of Romania, Vol. II, Edit. Universitaria, Craiova

CAPITOLE ÎN CĂRȚI

1. Anamaria Roman, Tudor-Mihai Ursu, Irina Onțel, Teodor Marușca, Oliviu Grigore Pop, Sretco Milanovici, Alexandru Sin-Schneider, Carmen Adriana Gheorghe, Avram S., Sorina Fărcaș and József Pál Frink, (2019), Deviation from Grazing Optimum in the Grassland Habitats of Romania Within and Outside the Natura 2000 Network - Habitats of the World, ISBN 978-1-78984-487-0, Edit. IntechOpen, <http://dx.doi.org/10.5772/intechopen.85734>
2. Avram S., Vladut Alina, Curcan Gh., (2014), The Historical Evolution of Craiova Municipality (Romania). Results from the Analysis of Cartographic Documents, Lecture Notes in Geoinformation and Cartography - History of Cartography, Chapter 9, Springerlink

Data: 15.09.2025

Funcție, nume și prenume:
Conf. univ. dr. Avram Sorin