

CURRICULUM VITAE

INFORMAȚII PERSONALE

Name Niculici Eugen Laurentiu
Address Latea Gheorghe street, 14, Sector 6, Bucharest, Romania
Phone Mobile:0729112225
Fax(uri)
E-mail niculicie@yahoo.com,
Naționality Romanian
Date of birth 20.04.1971

Professional experience

Period (from-to) 1 July 2022-present
Name and address of employer Geological Institute of Romania, Caransebes street, 1, sector 1, Bucharest

Type of activity or activity domain Research-development

Position held:

Main activities and responsibilities

Senior scientific researcher

Author and co-author of scientific papers in the field of geophysics, geology. Participation and proposal of scientific research projects within PN II and in the Nucleus program. Geomagnetic measurements in the Surlari Geomagnetic Observatory and in the field (magnetic prospecting for aircraft compensation platforms, magnetic declination determinations at the threshold of the runways of civil airports in Romania). Petrophysical measurements in the field and in the laboratory. Processing and interpretation of seismological data.

Period (from-to)

Name and address of employer

July 2018-30 June 2022

Geological Institute of Romania, Caransebes street, 1, sector 1, Bucharest

Type of activity or activity domain

Research-development

Position held:

Main activities and responsibilities

Scientific researcher

Author and co-author of scientific papers in the field of geophysics, geology. Participation in scientific research projects within PN II and in the Nucleus program. Geomagnetic measurements in the Surlari Geomagnetic Observatory and in the field (magnetic prospecting for aircraft compensation platforms, magnetic declination determinations at the threshold of the runways of civil airports in Romania). Petrophysical measurements in the field and in the laboratory. Processing and interpretation of seismological data.

01.03.2005- July 2018

Period (from-to)

Name and address of employer

Type of activity or activity domain

Position held:

Main activities and responsibilities

Geological Institute of Romania, Caransebes street, 1, sector 1, Bucharest

Research-development

Geophysicist

Author and co-author of scientific papers in the field of geophysics, geology. Geomagnetic measurements in the Surlari Geomagnetic Observatory and in the field (magnetic prospecting for aircraft compensation platforms, magnetic declination determinations at the threshold of the runways of civil airports in Romania). Petrophysical measurements in the field and in the laboratory. Processing and interpretation of seismological data. Maintenance of computing and data acquisition systems.

Autentificarea în sistemul de informatică este obligatorie pentru accesarea datelor.

Education and Training

Period (from-to)

Name and type of educational institution or professional organization through which the professional training was carried out

Field studied / occupational skills

Type of qualification / diploma obtained

The level of classification of the form of training / education in the national or international system

Period (from-to)

Name and type of educational institution or professional organization through which the professional training was carried out

Field studied / occupational skills

Tipul calificării / diploma obținută

The level of classification of the form of training / education in the national or international system

Perioada (de la – până la)

Numele și tipul instituției de învățământ și al organizației profesionale prin care s-a realizat formarea profesională

Domeniul studiat / aptitudini ocupaționale

Tipul calificării / diploma obținută

2007-2012

University of Bucharest

PhD in the Doctoral School of Natural Sciences from the University of Bucharest Geology subdomain.

PhD in Geology

PhD, level 8 ISCED 2011

2005-2006

University of Bucharest

Environmental geological engineering

Master's degree

Master, level 7 ISCED 2011

1999-2004

University of Bucharest

Geophysics

Engineer degree

The level of classification of the form of training in the national or international system

graduate studies or equivalent, level 6 ISCED 2011

PERSONAL SKILLS AND COMPETENCES acquired during life and career but which are not necessarily recognized by a certificate or diploma

Native language

Romanian

Foreign languages

(List the known languages and indicate the level: excellent, good, satisfactory)

Reading

English	French
C1	B1
C1	A2
C1	B1

Writing

Speaking

Organizational skills and competences

For example, coordinate or lead the work of other people, projects and manage budgets; at work in voluntary actions (for example in cultural or sports fields) or at home.

Coordination of geomagnetic prospecting activities commissioned by beneficiaries, proposal and coordination of projects within the Nucleus program

Technical skills and competences
(computer use, certain types of equipment, machines, etc.)

Terrestrial magnetometers - Current use and maintenance.
Programming: Pascal, use of Windows and Linux operating systems, Office programs and graphics applications: Corel Draw, Photoshop.
Surfer and Autocad programs as well as other geophysical and geological information processing and modeling programs (Minpet, Geoframe Charisma Interpretation Software , 2D and 3D geoelectric modeling programs and 2D geomagnetic and gravimetric modeling programs, Arc Gis and Erdas use)

Driving license

B category

Anexe

List of published works

Published works

Books

1. Asimopolos Laurentiu, Niculici Eugen, Pestina Agata-Monica, Asimopolos Natalia-Silvia- Evaluarea câmpului geomagnetic prin metode statistice, spectrale si wavelet a datelor de observator (Evaluation of the geomagnetic field by statistical, spectral and wavelet methods of observatory data) – Publisher Ars Docendi of University of Bucharest -2012- ISBN: 978-973-558-574-7, 160 pag.
2. Asimopolos Laurentiu, Pestina Agata-Monica, Niculici Eugen, Asimopolos Natalia-Silvia - Analysis of data from Surlari National Geomagnetic Observatory – Publisher Ars Docendi of University of Bucharest -2012- ISBN: 978-973-558-588-4, 92 pag.

Thesis:

1. Niculici E. L. – Geological model of the Mohorovicic discontinuity for the Romanian territory based on Pn and Sn speed maps –2012- University of Bucharest – Faculty of Geology and Geophysics (100 pag.), PhD coordinator: Prof. Marin Seclaman

Articles and conference papers:

1. Asimopolos, L., Niculici, E., Pestina, A.M., Asimopolos, N.S. - Comparisons of geomagnetic data measured in Romania with the data of International Geomagnetic Reference Field 11 (IGRF 11) - Surveying Geology & Mining Ecology Management, , ISSN 1314-2704, DOI: 10.5593/sgem2011, vol 2, pag 25-32
2. Niculici, E. L., - Acoustic waves velocities and the elastic anisotropy of the xenoliths from Racos alkaline basalts, Revue Roumain de Geophysique, tome 56, 2012
3. Niculici, E. L., Sandulescu A. M. -USE OF MAGNETIC SUSCEPTIBILITY DATA FOR THE LITOLOGICAL ANALYSIS AND TO ESTABLISH THE SEDIMENTATION RATE IN A HYDROGRAPHICAL BASIN FROM THE SUB-CARPATHIAN AREA OF ROMANIA- SGEM2017 Vienna GREEN Conference Proceedings, ISBN 978-619-7408-27-0 / ISSN 1314-2704, 27 - 29 November, 2017, Vol. 17, Issue 33, 415-422 pp; DOI: 10.5593/sgem2017H/33/S12.052 <https://sgemworld.at/sgemlib/spip.php?article11058&lang=en>
4. Niculici E. L., Alexe V. E., Sandulescu A. M.- THE MINERALOGICAL, GEOCHEMICAL, MAGNETIC PROPERTIES OF ALKALINE BASALTS AND ASSOCIATED ROCKS FROM THE SOUTHERN AREA OF THE PERSANI MOUNTAINS. USE OF THIS DATA IN THE THREE-DIMENSIONAL MODELING OF THE GEOLOGY OF THIS REGION, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, ISBN: 978-619-7408-76-8, ISSN: 1314-2704, volume 19, book 1.1, 631-638 pp., DOI: 10.5593/sgem2019/1.1/S01.078
5. Niculici E. L., Alexe V. E., Sandulescu A. M.- LITOLOGY, CHEMISTRY AND PHYSICAL PROPERTIES OF THE ROCKS IN THE DACIAN AND PONTIAN COAL-BEARING FORMATIONS OF THE EASTERN AREA OF THE DACIAN BASIN, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, ISBN: 978-619-7408-76-8, ISSN: 1314-2704, volume 19, book 1.1, 295-302 pp., DOI: 10.5593/sgem2019/1.1/S01.036

ALTE LUCRĂRI, ABSTRACTE EXTINSE ȘI CONFERINȚE:

1. Asimopolos, L., Pestina, A. M., Niculici, E. L. – 2008 - Analyses in space-time and frequency domains of geomagnetic field monitorized over 65 years at Surlari National Geomagnetic Observatory. - IAGA geomagnetic workshop Colorado
2. Niculici, E. L., Pestina, A. M., Asimopolos, L. – 2008 - Modalities for establish the base line of geomagnetic records affected by antropic noises. - GEO 2008 - The scientific meeting of the Faculty of Geology and Geophysics, University of Bucharest, 23 mai 2008
3. Pestina, A. M., Asimopolos, L., Niculici, E. L. – 2008 - Emergence frequency analyses of geomagnetic storms from data acquisitioned in long time at Surlari National Geomagnetic Observatory. - GEO 2008 - The scientific meeting of the Faculty of Geology and Geophysics, University of Bucharest, 23 may 2008
4. Asimopolos, L., Niculici, E. L., Pestina, A. M. - 2008 - Analyses in space-time and frequency domains of geomagnetic data. - GEO 2008 - The scientific meeting of the Faculty of Geology and Geophysics, University of Bucharest, 23 mai 2008
5. Pestina, A. M., Asimopolos, L., Niculici, E. L. – 2008 - Geomagnetic storms analyses and correlation between observatories, ObsMag2008
6. Niculici, E. L., Pestina, A. M., Asimopolos, L. -2008 - Modalities for establish the base line of geomagnetic records affected by antropic noises, ObsMag2008

7. Dumitras Claudiu, Asimopolos Laurentiu, Niculici Eugen, Pestina Agata, Soare Andrei, Cucu Gabriela, Isac Anca, Plati Mihail, Simion Eugenia - 2008- Establish the location of geomagnetic station for absolute calibration in repetition national network, ObsMag2008
8. Soare Andrei, Cucu Gabriela, Isac Anca., Asimopolos Laurentiu, Pestina Agata, Niculici E- 2008-Kp indices in data acquisitioned at Surlari National Geomagnetic Observatory, ObsMag2008
9. Asimopolos, L., Pestina, A. M., Niculici E.- 2008 - Complex analyses of geomagnetic field from data acquisitioned at Surlari National Geomagnetic Observatory in long activities, China 2008, XIX Workshop of Electromagnetism.
10. Pestina A. M, Asimopolos, L., E. Niculici, L. Iancu – 2009 - Comparative Analysis of Geomagnetic Data Aquired with Different Equipment in the Surlari Observatory– GEO 2009 – The scientific meeting of the Faculty of Geology and Geophysics, University of Bucharest.
11. E. Niculici, Pestina A. M, Asimopolos, L., Iancu, L. – 2009 - Geomagnetic non-periodic phenomena produced during 2007 on the earth – GEO 2009 – The scientific meeting of the Faculty of Geology and Geophysics, University of Bucharest.
12. Asimopolos, N.S., Pestina A. M., Asimopolos, L., Niculici E. – 2010 - Regard On Surlari Geomagnetic Observatory – Conference GEO2010 – University of Bucharest – (extended abstract)
13. Niculici E., Asimopolos, N.S., Pestina A. M., Asimopolos, L. – 2010 - Consideration On Geomagnetic Storm From April 5-7 , 2010– Conference GEO2010 – University of Bucharest– (poster and extended abstract)
14. Asimopolos, N.S., Asimopolos, L., Pestina A.M., Niculici E. – 2010 - Remarks about the main geomagnetic observatory from Romania , 2010– XX Workshop of Electromagnetism, 20EMIW –Cairo, Egypt (poster and extended abstract)
15. Asimopolos L., Niculici E., Pestina A-M., Asimopolos N.S. - ANALYSIS OF THE GEOMAGNETIC FIELD ON THE ROMANIAN TERRITORY
16. Asimopolos,L. , Pestina A. M. , Asimopolos, N. S., Niculici E. – 2010 - Data interpretation from geomagnetic observatories using wavelet techniques - Annual Conference of the Geological Society of Romania, Bucharest, 5-6 November 2010 (poster and extended abstract)
17. Remarks about the main geomagnetic observatory from Romania , - XX Workshop of Electromagnetism, 20EMIW –Cairo, Egypt (poster and extended abstract)6. Asimopolos, N.S., Asimopolos, L., Pestina A.M., Niculici E. – 2010

18. Asimopolos, L., Asimopolos, N.S., Sandulescu, A.M., Niculici, E. – 2013 - Study about geomagnetic variations from data recorded at Surlari Geomagnetic Observatory - EGU General Assembly Vienna – (poster and extended abstract) <http://adsabs.harvard.edu/abs/2013EGUGA..1513548A>

19. Asimopolos L.,. Asimopolos N.S, Sandulescu A.M.,. Niculici E – 2015 - Considerations on severe geomagnetic disturbances and their impact on power energy network- - A43p-096- - IUGG Prague, Czech Republic 22.06-02.07.2015

20. Asimopolos L. , Niculici E., Săndulescu A., Asimopolos N.S.- 2015- Thickening of the repetition station network for determining secular variation of geomagnetic field in Romania – MagNetE – Budapest, Hungary, 16-18 October 2015 (extended abstract and poster)

21. Asimopolos L., Asimopolos N.S., Niculici E., Săndulescu A. – 2015 - Considerations on the deep geomagnetic soundings in the Vrancea area., - MagNetE – Budapest, Hungary, 16-18 September 2015 (extended abstract and poster)