

## Laurentiu ASIMOPOLOS –LIST OF PAPERS

### BOOKS :

1. **Asimopolos Laurentiu** – Aplicații ale metodei magnetotelurice în descifrarea structurii geologice profunde - Application of the Magnetotelluric Method for Establishing Geological Deep Structure – Editura Vergiliu – 2007 – ISBN 978-973-7600-37-1, 978-973-7600-37-0 Cod: 551.4, 550.8 , 146 pag.
2. **Asimopolos Laurentiu**, Niculici Eugen, Pestina Agata-Monica, Asimopolos Natalia-Silvia- Evaluarea câmpului geomagnetic prin metode statistice, spectrale si wavelet a datelor de observator – Editura Ars Docendi a Universitatii din Bucuresti -2012- ISBN: 978-973-558-574-7, 170 pag.
3. **Asimopolos Laurentiu**, Pestina Agata-Monica, Niculici Eugen, Asimopolos Natalia-Silvia - Analysis of data from Surlari National Geomagnetic Observatory – Editura Ars Docendi a Universitatii din Bucuresti -2012- ISBN: 978-973-558-588-4, 110 pag.

### PH D THESIS:

1. **Asimopolos L.** – Contributions for Establishing Deep Structure on Pannono –Carpathian Geotransect through Magnetotelluric and Geomagnetic Sondings. –2002-Bucharest University – Geological and Geophysical Faculty (152 pag.), Coordonator: Prof. Paul Georgescu

### BACHELOR PAPERS:

1. **Asimopolos L.** – Radiometric Methods for Establishing Density of Rocks –1984-Bucharest University – Geological and Geophysical Faculty (118 pag.), Coordonator: Prof. Mircea Pauca
2. **Asimopolos L.** –Gravity Field of the Earth – 1996 - Bucharest University – Faculty of Mathematics (144 pag.), Coordonator: Prof. Mihaila Ieronim

### DISSERTATION PAPER:

1. **Asimopolos L.** - Analyzing the Dimensions of the Interdependencies between Critical Infrastructures in the Energy Sector and Information Technology and Telecommunications - June 2015 - "Mihai Viteazul" National Academy of Information (20 pag.), Coordinator: Conf. Dr. Ligia Ana Leaua.

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1. **Asimopolos, L.**, Pestina A. M. , Asimopolos, N.S.– 2010 - Considerations on geomagnetic data analysis - Chinese Journal of Geophysics – 53 (3) , 765-772 pag., DOI:10.3969/j, issn: 0001.5733 , .2010.03-033, <http://html.rhhz.net/dqwlxb/2010-03-33.htm> .
2. **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, <https://sgemworld.at/sgemlib/spip.php?article179>

3. Asimopolos, N.S., Andrei, J., **Asimopolos, L.** – The gravity exploration in Romania - Surveying Geology & Mining Ecology Management, ISSN 1314-2704, DOI: 10.5593/sgem2011, vol 2 – pag 303 – 309, <http://sgem.org/sgemlib/spip.php?rubrique14>
4. Natalia-Silvia Asimopolos, **Laurențiu Asimopolos** - The importance of terrain corrections of gravity data in hydrological modeling, , SGEM2017 Vienna GREEN Conference Proceedings, Vol. 17, Issue 33, 363-370 pp; DOI: 10.5593/sgem2017H/33/S12.045, ISBN 978-619-7408-27-0 / ISSN 1314-2704, <https://sgemworld.at/sgemlib/spip.php?article11045>,
5. **Laurențiu Asimopolos**, Natalia-Silvia Asimopolos - Multi-parametric and correlative studies of the hydrogeological processes, , SGEM2017 Vienna GREEN Conference Proceedings, Vol. 17, Issue 33, 283-290 pp; DOI: 10.5593/sgem2017H/33/S12.035, ISSN 1314-2704, <https://sgemworld.at/sgemlib/spip.php?article11002>
6. Natalia-Silvia Asimopolos, **Laurențiu Asimopolos**, Study on the high-intensity geomagnetic storm from march 2015, based on terrestrial and satellite data, , 18th International Multidisciplinary Scientific GeoConference SGEM 2018, www.sgem.org, SGEM2018 Conference Proceedings, ISBN 978-619-7408-50-8 / ISSN 1314-2704, 02-08 July, 2018, Vol.18, Issue 6.1, 593-600 pp, DOI: 10.5593/sgem2018/6.1/S28.078, under evaluation ISI proceedings, <https://www.sgem.org/sgemlib/spip.php?article13037>
7. Natalia-Silvia Asimopolos, **Laurențiu Asimopolos**, Highlighting the deep tectonic elements of the eastern carpathians by analyzing the morphology of geoid, , 18th International Multidisciplinary Scientific GeoConference SGEM 2018, www.sgem.org, SGEM2018 Conference Proceedings, ISBN 978-619-7408-40-9 / ISSN 1314-2704, 02-08 July, 2018, Vol.18, Issue Issue 2.2, 821-828 pp , DOI: 10.5593/sgem2018/2.2/S09.104, under evaluation ISI proceedings , – <https://www.sgem.org/index.php/call-for-papers/jresearch?view=publication&task=show&id=705>
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10. **Laurentiu Asimopolos**, Natalia-Silvia Asimopolos, Adrian-Aristide Asimopolos , Suitable algorithms for pre-processing multi-parametric data as input data in 3D modelling software on the grid three dimensional, , XIX International Multidisciplinary Scientific GeoConference SGEM 2019, Conference proceedings Volume 19, Informatics, Geoinformatics and Remote Sensing, Issue 2.1, Geoinformatics, pp 1073-1080, ISBN 978-619-7408-

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14. **Laurentiu ASIMOPOLOS**, ASIMOPOLOS Natalia-Silvia , Consideration about infrastructure, device and physical principle in geomagnetic field metrology, , BIODIVEST - 20-22 septembrie 2018, Craiova, a XXV-a a Conferintei Stiintifice Internationale "MUZEUL SI CERCETAREA STIINTIFICA".published in Muzeul Olteniei Craiova. Oltenia. Studii și comunicări. Științele Naturii. Tom. 34, No. 1/2018 ISSN 1454-6914, p.27-34, indexed in Master Journal List.
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17. **Laurentiu Asimopolos**, Natalia-Silvia Asimopolos, Violeta-Carolina Niculescu, Adrian Aristide Asimopolos , REMARKS ON THE THERMAL PROPERTIES OF ROCKS AND THE TREATMENT OF GEOTHERMAL WATERS, - The 22nd Conference "New Cryogenic and Isotope Technologies for Energy and Environment" EnergEn 2018, October 24-26, 2018 - Băile Govora, Romania; ; Remarks on the Thermal Properties of Rocks and the Treatment of Geothermal Waters, Progress of Cryogenics and Isotopes Separation, Volume 21, issue 2/2018, ISSN: 1582-2575, pag.67-72, <http://www.icsi.ro/conference>, <https://scholar.google.ro/citations?user=ikDQgP4AAAAJ&hl=ro>
18. ASIMOPOLOS Natalia-Silvia , **ASIMOPOLOS Laurentiu** , Processing and interpretation of geological and geophysical data for establishing the geothermal resources - BGS 2019-DOI: 10.3997/2214-4609.201902618, <http://earthdoc.org/publication/publicationdetails/?publication=99203>
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