

Curriculum vitae Europass



Personal info

Nume / Prenume

MOCANU VICTOR

Adresă(e)

Bulevardul Basarabia nr.78, bl.36, ap.36, sector 2, Bucuresti

Telefon(oane)

021 318 1557 / 318 1588

Fax(uri)

021 318 1599

E-mail(uri)

Victor.mocanu@g.unibuc.ro, vi_mo@yahoo.com

Naționalitate(-tăți)

Romana

Data nașterii

2 august 1960

Sex

Masculin

**Locul de munca / Domeniul
ocupational**

Facultatea de Geologie si Geofizica / Sistemul universitar

Titluri de onoare

- Honorary Professor, China University of Geosciences, Beijing (2017)
- GetEnergy Award - „The Best Industry-Academia partnership in oil and gas industry”, Energy Council, 2014

Experiența profesională

- 2008 – prezent - Decan, Universitatea din Bucuresti, Facultatea de Geologie si Geofizica, Universitatea din Bucuresti
- 2007 – prezent - Profesor Dr. Ing., Universitatea din Bucuresti, Facultatea de Geologie si Geofizica
- 1998 – 2007: - Conf. Dr. Ing., Universitatea din Bucuresti, Facultatea de Geologie si Geofizica
- 1997 – 1998: - Lect. Dr. Ing., Universitatea din Bucuresti, Facultatea de Geologie si Geofizica
- 1996 – 1997 - Research associate (post-doc), Oregon State University, SUA
- 1993 – 1996 - Lect. Ing. , Universitatea din Bucuresti, Facultatea de Geologie si Geofizica
- 1988 – 1993 - Asist. Ing., Facultatea de Geologie si Geofizica
- 1987 – 1988 - Cercetator Ing., Institutul Geologic al Romaniei
- 1985 – 1987 - Sef de echipa Ing., Prospectiuni SA, Bucuresti

Educație și formare

- Post-Doctorat - Oregon State University, SUA (1996 – 1997)
- Doctorat - Geofizica, Universitatea din Bucuresti (1996)
- Inginer Geolog si Geofizician - Universitatea din Bucuresti, Romania (1985)
- Cursuri post-universitare - Shell Exploration B.V. – 1994
- Centrul International de Fizica Teoretica si UNESCO, Trieste, Italia, 1994

Aptitudini și competențe personale

Limba(i) maternă(e)

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

Limba Engleza

Limba Franceza

Limba Spaniola

Limba Rusa

1. DIDACTIC

1.1. Teme majore:

- Fizica Globului, proprietatile fizice ale geosferelor globului terestru
- Radiotermie
- Investigarea geofizica a marginilor continentale active si pasive
- Tectonofizica

1.2. Infiintarea si coordonarea masterului „Applied geophysics”, in Limba Engleza, acreditat ARACIS in anul 2009/reacreditat în anul 2015 la Universitatea din Bucuresti. Directorul programului.

1.3. Profesor Invitat

- China University of Geosciences (2006-prezent)
- University of Florida (2006-prezent)

2. CERCETARE STIINTIFICA

In ultimii 35 de ani am fost implicat in teme de cercetare stiintifica a marginilor continentale active din Europa Centrala si de Est, America de Sud, Asia de SE si America de Nord. In cercetarea satelitara am fost interesat de geodinamica arealului carpatic, a arhipelagului Indonezian, a zonei de tripla jonctiune Chile si a zonelor afectate de hazarde naturale din Oregon, Idaho (SUA); Tailanda si Romania. Tehnicile satelitare utilizate și in aplicatii industriale: cercetarea stabilitatii barajelor hidrotehnice si a zonelor miniere.

3. MANAGEMENT ACADEMIC

11 ani experienta ca decan al Facultatii de Geologie si Geofizica, Universitatea din Bucuresti, 3 ani Sef de catedra, Catedra de Geofizica, Facultatea de Geologie si Geofizica, Universitatea din Bucuresti. Directorul programului de studii universitare de master Applied Geophysics de la aceeasi universitate. Intemeietorul Scolii de Studii Postuniversitare (Masterat si Doctorat), Botswana International University for Science and Technology.

Romana

Înțelegere		Vorbire		Scriere	
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă	
C2 Excelent	C2 Excelent	C2 Excelent	C2 Excelent	C2 Excelent	
B2 Foarte bine	B2 Foarte bine	B2 Foarte bine	B2 Foarte bine	B2 Foarte bine	
C1 Foarte bine	C1 Foarte bine	C1 Foarte bine	C1 Foarte bine	C1 Foarte bine	
A2 De baza	A2 De baza	A2 De baza	A2 De baza	A2 De baza	

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

Competențe și abilități sociale

- Membru al Scientific Board, IGCP (UNESCO si Uniunea Internationala a Stiintelor Geologice) (2008-prezent)
- Membru al Scientific Board, ReFINE (University of Durham)
- Membru al Editorial Board, Journal of Geodynamics - Elsevier (2008-2014)
- Membru al Editorial Board, Episodes (2012-prezent)
- Membru al Comitetului European, American Geophysical Union (2004 - 2006)
- Faculty Advisor pentru Bucharest Student Chapter al Societatii Geofizicienilor de Explorare (SEG), SUA (2006-prezent) – chapter „summit:” al SEG in anii 2012, 2013, 2017 si 2018
- Faculty Advisor pentru Bucharest Student Chapter al Asociatiei Europene a Inginerilor din Geostiinte (EAGE) (2008-prezent) – cel mai bun chapter din lume in anul 2012
- Membri in Cosiliul SEG (Societatea Geofizicienilor de Explorare din SUA) - Comitetul pentru Afaceri Globale (2008-prezent, Presedinte in mandatul 2016-2018) si Comitetul pentru Programe de Studii Universitare si Studentesti (2008-prezent)
- Membri in Consiliul EAGE (2011-pezent).
- Membru al Comitetului pentru Publicatii, Uniunea Internationala a Stiintelor Geologice (2002-2005)
- Membru al Comitetului pentru Lectori Invitati, Asociatia Americana a Geologilor Petrologici (2006-prezent)
- Seful delegatiei Romaniei, Congresul Mondial de Geologie, Rio de Janeiro, 2000 si Capetown, 2016
- Membru Comisia CNATDCU de Stiintele Vietii si ale Pamantului, 2012-2016
- Membru al Comitetului Ministerial pentru Situatii de Urgență produse de Factori Naturali - cutremure și/sau alunecări de teren al Ministerului Dezvoltării Regionale (2015 - prezent)

Competențe și aptitudini organizatorice

- Seful Observatorului Geofizic al Romaniei, 1987-1988
- Seful Catedrei de Geofizica, Facultatea de Geologie si Geofizica, Universitatea din Bucuresti (2005-2008)
- Decan, Facultatea de Geologie si Geofizica, Universitatea din Bucuresti (2008-prezent)
- Am organizat (in colaborare) 14 intruniri internationale in afara Romaniei in perioada 1994-prezent in 6 tari din Europa, Asia si America de Nord
- Am coordonat patru proiecte CEEX, două proiecte PN II si zeci de proiecte de cercetare in diverse forme din Romania
- Am fost co-Investigat principal in patru proiecte finantate de Fundatia Nationala pentru Stiinte a SUA, unul de catre Fundatia Elvetiana pentru Cercetare Stiintifica, unul de catre Consiliul Cercetarii Stiintifice din Olanda si unul de catre Consiliul National al Cercetarii din Germania
- Am coordonat (din partea Romaniei) doua proiecte NATO
- Am condus, ca director de proiect, contracte de cercetare finantate de catre industria de petrol si gaze pe plan international
- Am fost membru in Consiliul de Administratie al Institutului Geologic al Romaniei (2009)
- Sunt membru in Consiliul de Administratie si Senatul Universitatii din Bucuresti (2008-prezent)
- Secretarul Bucharest Geoscience Forum (1996-prezent), NGO care are in componeta companiile din industria de resurse naturale, agentii ale statului, institutii de cercetare si de invatamant superior interesate in industria de hidrocarburi din Romania

Competențe și aptitudini tehnice

Competente in Geofizica Aplicata, in Fizica Globului si Geodezie Satelitara, materializate prin proiectenationale si internationale la care am luat si iau parte, unele lansate de mine, in special in afara tarii. In prezent coordonez investigarea satelitara a zonei de tripla jonctiune Chile (finantat de Universitatea Tehnica din Delft si University of Florida) si sunt implicat intr-un proiect finantat de Fundatia Nationala pentru Stiinte a SUA in statele Idaho si Oregon pentru studiul marginii continentale vechi a Americii de Nord.

Competențe și aptitudini de utilizare a calculatorului	Performant
Alte competențe și aptitudini	Ski, jazz, muzica irlandeza, muzica clasica
Permis(e) de conducere	Permis de conducere Romania, categoria B
Informații suplimentare	<p>Includeți aici orice alte informații utile, care nu au fost menționate anterior, de exemplu: persoane de contact, referințe etc. (rubrică facultativă, vezi instrucțiunile)</p> <ul style="list-style-type: none"> • Bill Barkhouse, Associate Executive Director, SEG • Prof. Dr. Randell Stephenson, Seful Departmanetului de Studiu al Litosferei, Universitatea din Aberdeen (Marea Britanie) • Prof. Martin Flower, University of Illinois at Chicago • Prof. Ir. Boudewijn Ambrosius, Seful DEOS, Universiattea Tehnica Delft <p>Membru al asociatiilor profesionale:</p> <ul style="list-style-type: none"> - Societatea Romana de Geofizica (Presedinte, 2012-prezent) - SEG (Society of Exploration Geophysicists), SUA (Președintele Comitetului de Afaceri Globale (2016-2018) și membru al Consiliului SEG - EAGE (European Association of Geoscientists and Engineers) și membru al Consiliului EAGE - American Geophysical Union - Geological Society of America (membru al DAY Medal Committee, 2012-2014) - Asia Oceania Geoscience Society (membru fondator) - European Geoscience Society - American Association of Petroleum Geologists

Prof. Dr. Ing. Victor Mocanu

Articole științifice în publicații de specialitate

Crustal shear-wave velocity structure of central Idaho and eastern Oregon from ambient seismic noise: Results from the IDOR Project (2019). Journal of Geophysical Research Solid Earth. Doi: 10.1029/2018JB016350

Autori: Bremner, P.M., Panning, M.P. *Frontiers in Geoscience: A tribute to Prof. Xuanxue Mo–Preface* (2018). *Geoscience Frontiers*, Volume 9 (5), pp. 1261-1264

Autori: Hou, Z., Santosh, M., Xiao, W., Niu, Y., Mocanu, V.

Geophysical Analysis of Major Geothermal Anomalies in Romania (2017). *Pageoph*, Volume 174 (11), pp. 4153-4169

Autori: Panea, I. and Mocanu, V.

Gas Accumulations in Shallow-depth Sarmatian Reservoirs from Moldavian Platform (Romania) (2017). *EarthDoc*. Doi: 10.3997/2214-4609.201700943

Autori: Niculescu, B.M.N., Andrei, G., Mocanu, V. and Pence, C.

The use of seismic modeling for the geological interpretation of deep seismic reflection data with low signal-to-noise ratios (2016). *Interpretation*, Volume 5(1), pp. T23-T31

Autori: Panea, I., Prisecari, S., Mocanu, V., Micu, M., Paraschivoiu, M.

Crustal structure beneath the Blue Mountains terranes and cratonic North America, eastern Oregon, and Idaho from teleseismic receiver functions (2016). *Journal of Geophysical Research: Solid Earth*, Volume 121 (7), pp. 5049-5067

Autori: Stanciu, A.C., Russo, R.M., Mocanu, V.I., Bremner, P.M., Hongsresawat, S., Torpey, M.E., VanDecar, J.C., Foster, D.A., Hole, J.A.

Eastern Pannonian Basin Analysis of Geothermal Behaviour by Integrated Geophysical Information (2016). *EarthDoc*. Doi: 10.3997/2214-4609.201601069.

Autori: Panea, I., Mocanu, V.

A GPS study of land subsidence in the Petrosani (Romania) coal mining area (2016). *Natural Hazards*, Volume 80 (2), pp. 797-810

Autori: Muntean, A., Mocanu, V., Ambrosius, B.A.C.

Effects of seismic data acquisition on the environment: RomSeis Project (2016). *International Journal of Environmental Science and Policy*, Volume 4(3), pp. 44-48

Autori: Dragut, D.A., Schultz, G.S., Mocanu, V.

Lithospheric Delamination or Relict Slab Beneath the Former North American Cratonic Margin in Idaho and Oregon? New Constraints From Seismic Tomography (2016). 2016AGUFM.T53D..02S

Autori: Stanciu, A. C.; Russo, R. M.; Mocanu, V. I.; VanDecar, J. C.; Hongsresawat, S.; Bremner, P. M.; Torpey, M. E.; Panning, M. P.

The use of seismic modeling for the geologic interpretation of deep seismic reflection data with low signal-to-noise ratios. *Interpretation* (2016), Volume 5 (1), pp. T23-T31

Autori: Panea, I., Prisacari, S., Mocanu, V., Micu, M., Paraschivoiu, M.

A regional GPS network for monitoring the Carpathian-Danubian-Pontic space deformation and the impact of local earthquakes (2016). *Surveying Geology & Mining Ecology Management*. Volume 3, pp. 381-388

Autori: Nastase, E., Muntean, A., Ionescu, C., Mocanu, V., Ambrosius, B.A.C.

Study of NW Galati seismologic area, 3 GPS campaigns from 2013-2015. Preliminary results (2016). Volume 3. Pp. 631-638

Autori: Nastase, I., Muntean, A., Toma-Danila, D., Mocanu, V., Ionescu, C.

Upper-Mantle Seismic Structure Beneath the Western Cordillera in Oregon and Idaho: Preliminary Results from EarthScope IDOR Teleseismic Travel Time Tomography (2015). 2015AGUFM.T11C2911S

Autori: Stanciu, A.C., Russo, R., Mocanu, V.I., VanDecar, J.C., Hongsresawat, S., Bremner, P.M., Torpey, M.E., Panning, M.P.

Structural Responses to the Chile Ridge Subduction, Southern South America (2015). 2015AGUFM.T31B2865R

Autori: Rodriguez, E. E.; Russo, R. M.; Mocanu, V. I.; Gallego, A.; Murdie, R.; Comte, D.

Anisotropic 3-D Crustal Velocity Structure of Idaho/ Oregon from a Joint Inversion of Group and Phase Velocities of Love and Rayleigh Waves from Ambient Seismic Noise: Results from the IDOR Project (2015). 2015AGUFM.S41B2744B

Autori: Bremner, P. M.; Panning, M. P.; Russo, R.; Mocanu, V. I.; Stanciu, A. C.; Torpey, M. E.; Hongsresawat, S.; VanDecar, J. C.

- Environmental Challenges Related to the Acquisition of the Trans Carpathian Wide Angle Reflection and Refraction Line (2015). 2015EGUGA..17.6259D
Autori: Dragut, D.-A., Schultz, G., Mocanu, V., Stephenson, R., Janik, T., Starostenko, V.
- Retrieval of reflections from ambient noise recorded in the Mizil area, Romania (2014), *Geophysics*, **79** (3), pp. Q31-Q42
Autori: Panea, I., Draganov, D., Almagro Vidal, C., Mocanu, V.
- 3-D Modeling for Upper Mantle Anisotropy Beneath Idaho-Oregon (IDOR) Region Using SkS Splitting Intensity Measurements from IDOR Passive Seismic Project Dataset (2014). 2014AGUFM.S31B4405H
Autori: Hongsresawat, S.; Panning, M. P.; Russo, R. M.; Mocanu, V. I.; Stanciu, A. C.; Bremner, P. M.; Torpey, M. E.; VanDecar, J. C.
- 3D Lithospheric Structure in an Arc-Continent Collisional Setting: Results from the EarthScope IDOR Passive Seismic Receiver Functions (2014). 2014AGUFM.S33D..07S
Autori: Stanciu, A. C.; Russo, R. M.; Mocanu, V. I.; Foster, D. A.; Bremner, P. M.; Torpey, M. E.; Hongsresawat, S.; VanDecar, J. C.; Hole, J. A.; Tikoff, B.
- 3-D Crustal Velocity Structure of Central Idaho/ Eastern Oregon from Joint Inversion of Rayleigh Wave Group and Phase Velocities Derived from Ambient Seismic Noise: Newest Results from the IDOR Project (2014). 2014AGUFM.S31B4404B
Autori: Bremner, P. M.; Panning, M. P.; Russo, R. M.; Mocanu, V. I.; Stanciu, A. C.; Torpey, M. E.; Hongsresawat, S.; VanDecar, J. C.
- Illumination of Geology and Recent Tectonic History in Idaho and Oregon from Persistent Scattering Extracted from Ambient Noise (2014). 2014AGUFM.S41A4449P
Autori: Panning, M. P.; Russo, R. M.; Bremner, P. M.; Hongsresawat, S.; Mocanu, V. I.; Stanciu, A. C.; Torpey, M. E.; VanDecar, J. C.
- Gravity and magnetic modelling in the Vrancea Zone, south-eastern Carpathians: Redefinition of the edge of the East European Craton beneath the south-eastern Carpathians (2013). *Journal of Geodynamics*, Volume 71, pp. 52-64
Autori: A. Bocin, R. Stephenson, L. Matenco, V. Mocanu
- Shear-wave splitting within the Southeastern Carpathian Arc, Transylvanian Basin, Romania (2013). *Journal of Geodynamics*, Volume 70, pp.: 61-69
Autori: A.C. Stanciu, R.M. Russo, V.I. Mocanu, L. Munteanu
- Plate assembly, tectonic responses, and magmatism in southeast Eurasia (2013). *Journal of Geodynamics*, Volume 69, pp.: 1-4
Autori: N.Q. Cuong ; W. Zuchiewicz, N. Hoang, M.F.J. Flower, V. Mocanu
- Tidal Modulation of Continuous Non-Volcanic Seismic Tremor in the Chile Triple Junction Region (2013). G3, DOI: 10.1002/ggge.20091.
Autori: A. Gallego, R.M.Russo, D. Comte, V.Mocanu, R.E.Murdie, J.C.vanDecar
- Azimuthal anisotropy in the Chile Ridge subduction region retrieved from ambient noise (2011). *Lithosphere*, Volume 3, pp. 393-400 (2011), doi: 10.1130/L139.1.
Autori: A. Gallego, M.P. Planning, R.M. Russo, D. Comte, V.I. Mocanu, R.E Murdie, J.C. Vandecar
- Triggered seismic activity in the Liquiñe-Ofqui fault zone, southern Chile, during the 2007 Aysen seismic swarm. (2011). *Geophysical Journal International*, Volume 184, Issue 3, March 2011, Pp.es 1317-1326, DOI: 10.1111/j.1365-246X.2010.04908.x.
Autori: R.M. Russo, A. Gallego, D. Comte, V.I. Mocanu, R. Murdie, C. Moca, J. VanDecar
- Subduction of the Chile Ridge: Upp.er mantle structure and flow (2010). *GSA Today*, September 2010, DOI: 10.1130/GSATG61A.1.
Autori: R.M. Russo, J. vanDecar, D. Comte, V. Mocanu, A. Gallego, R. Murdie
- Aysén seismic swarm (January 2007) in southern Chile: analysis using Joint Hypocenter Determination (2010). *Journal of Seismology*, Volume 14, Number 4, October 2010 , pp.. 683-691(9). DOI: 10.1007/s10950-010-9190-y.
Autori: C. Mora, D. Comte, R.M. Russo, A. Gallego, V.I. Mocanu
- Seismic noise tomography in the Chile ridge subduction region (2010), *Geophysical Journal International*, Volume 182, Issue 3, pp.es 1478–1492, September 2010, DOI: 10.1111/j.1365-246X.2010.04691.x.
Autori: A. Gallego, R.M. Russo, D. Comte, V. Mocanu, R. Murdie, J. vanDecar
- Source-side shear wave splitting and upp.er mantle flow in the Chile Ridge subduction region (2010), *Geology*, August 2010; v. 38; no. 8; p. 707–710; doi: 10.1130/G30920.1.
Autori: R.M. Russo, A. Gallego, D. Comte, V.I. Mocanu, R. Murdie, J. VanDecar

Source-side shear wave splitting and upper mantle flow in the Romanian Carpathians and surroundings (2009). *Earth and Planetary Science Letters*, **287**, 1-2, 30 pp. 205-216.

Autori: Russo, R.M., Mocanu, V.I.

Architecture of the south-eastern Carpathians nappes and Focsani Basin (Romania) from 2D ray tracing of densely spaced refraction data (2009). *Tectonophysics*, **476**, 3-4, 25 pp. 512-527.

Autori: Bocin, A., Stephenson, R., Mocanu, V., Matenco, L.

Seismic attenuation in the Carpathian bend zone and surroundings (2005). *Earth and Planetary Science Letters*, **237**, Issue 3-4, pp. 695 – 709.

Autori: Russo, R.M., Mocanu, V., Radulian, M., Popa, M. and Bonjer, K-P.

Observation of present-day tectonic motions in the Southeastern Carpathians: Results from the ISES/CRC 461 GPS measurements (2005). *Earth and Planetary Science Letters*, **239**, Issue 3-4, pp. 177 – 184.

Autori: van der Hoeven, A.G.A., Mocanu, V., Spakman, W., Nutto, A., Nuckelt, A., Matenco, L., Munteanu, L., Marcu, C. And Ambrosius, B.A.C.

Crustal constraints on the origin of mantle seismicity in the Vrancea Zone, Romania: the case for active continental lithospheric delamination (2005). *Tectonophysics*, **410**, 1-4, pp. 311 – 324.

Autori: Knapp., J.H., Knapp., C.C., Raileanu, V., Matenco, L., Mocanu, V. and Dinu, C.

Near-vertical seismic reflection image using a novel acquisition technique across the Vrancea Zone and Focsani Basin, south-eastern Carpathians (Romania) (2005), *Tectonophysics*, **410**, 1-4, pp. 293 – 310.

Autori: Panea, I., Stephenson, R., Knapp., C., Mocanu, V., Drijkoningen, G., Matenco, L., Knapp., J. and Prodehl, C.

2.5D seismic velocity modelling in the south-eastern Romanian Carpathians orogen and its foreland (2005). *Tectonophysics*, **410**, 1-4, pp. 273 – 292.

Autori: Bocin, A., Stephenson, R., Tryggvason, A., Panea, I., Mocanu, V., Hauser, F., and Matenco, L.

The evolution of the Carpathian-Pannonian system. Interaction between neotectonics, deep structure, polyphase orogeny and sedimentary basins in a source to sink natural laboratory (2005). *Tectonophysics*, **410**, 1-4, pp. 1-14.

Autori: Cloetingh, S., Matenco, L., Bada, G., Dinu, C. and Mocanu, V.

Asthenosphere–lithosphere dynamic responses to Tethyan plate collisions (IGCP-430) (2004). *Tectonophysics*, **393**, 1-4, pp. 1-7.

Autori: M.F.J Flower, C.T. Chi, N.T. Yem and V.I. Mocanu

GPS Probes the Kinematics of the Vrancea Seismogenic Zone (2004). *Eos Trans. AGU*, 85(19), 185, 10.1029/2004EO190001.

Autori: A. van der Hoeven, Gü. Schmitt, G. Dinter, V. Mocanu, W. Spakman

Geodynamics, tomographic images and seismicity of the Vrancea region (SE-Carpathians, Romania) (2003). In: S. Cloetingh, F. Horvath, G. Bada and A. Lankreijer (Editors), *Neotectonics and surface processes: the Pannonian Basin and Alpine/Carpathian System*. EGU Special Publication, 3, pp. 105-120.

Autori: Mocanu, V.

Detailed look at the final stage of plate break-off is target of study in Romania (1998). *EOS*, **79**, 48, pp. 589-594.

Autori: Wenzel, F., Achauer, U., Enescu, D., Kissling, E., Russo, R., Mocanu, V., Mussachio, G.,

Variscan vs. Alpine tectonothermal evolution of the Southern Carpathian orogen: constraints from ⁴⁰Ar/³⁹Ar ages (1998). *Tectonophysics* **290**, pp. 111 – 135.

Autori: Dallmeyer, R.D., Neubauer, F., Fritz, H. and Mocanu, V.

Deep lithospheric structure of the Eastern Carpathians: density modelling. *Contributions to Geophysics and Geodesy* (1998), **28/2**, 95 – 100.

Autori: Bielik, M. and Mocanu, V.

Continental collision in the Romanian Carpathians: incorporation of geophysical data. *Przeglad Geologiczny*, **45**, 10/2, pp. 1092-1093.

Autori: Mocanu, V. and Lillie, R.J.

Continental collision in the Romanian Carpathians: incorporation of geophysical data. *Przeglad Geologiczny*, **45**, 10/2, pp. 1092-1093.

Autori: Mocanu, V. and Lillie, R.J.

Investigations of the rheology of the lithosphere in the PanCarDi system (1997). *Przeglad Geologiczny*, **45**, 10/2, pp. 1086-1087.

Autori: Lankreijer, A., Bielik, M. and Mocanu, V.

Preliminary case for PANCARDI mantle extrusion (1997). *Przeglad Geologiczny*, **45**, 10/2, pp. 1073-1074.

Autori: Flower, M.F.J., Mocanu, V. and Russo, R.

Investigations of the rheology of the lithosphere in the PanCarDi system (1997). *Przeglad Geologiczny*, **45**, 10/2, pp. 1086-1087. *Autori:* Lankreijer, A., Bielik, M. and Mocanu, V.

Tectonics of the Alpine-Pannonian-Carpathian region: introduction (1997). *Tectonophysics* **272**, pp. 269 – 290.
Autori: Neubauer, F., Cloeting, S.A.P.L., Dinu, C. and Mocanu, V.

Lateral variation in lithospheric strength in the Romanian Carpathians: constraints on basin evolution (1997). *Tectonophysics* **272**, pp. 269 – 290.
Autori: Lankreijer, A., Mocanu, V.I. and Cloetingh, S.A.P.L.

Continental collision and the ending phases of subduction in the Eastern and Southern Carpathians: incorporation of geophysical data from Romania (1996). *Mitteilungen der Gesellschaft der Geologie und Bergbaustudenten in Osterreich*, Band **41**, Wien, pp. 119.
Autori: Bielik, M., Mocanu, V., A. Adam, A., Dinu, C. and Lillie, R.J.

A preliminary study of gravity field in the Eastern and Southern Carpathians and the narrow continental rifts in the Pannonian basin (1996). *Mitteilungen der Gesellschaft der Geologie und Bergbaustudenten in Osterreich*, Band **41**, Wien, pp. 102.
Autori: Bielik, M., Mocanu, V., Adam, A., Dinu, C. and Lillie, R.J.

Hydrocarbon resources of Romania - an overview. In G. Wessely, W. Leibl (editors) (1996), *Oil and Gas in Alpidic Thrustbelts and Basin of Central and Eastern Europe*, Published by The Geological Society, London for European Association of Geoscientists and Engineers, Special Publication No. 5, pp. 23 – 27.
Autori: Dinu, C., Morariu, D.C. and Mocanu, V.

Seismogeological features of the crust in Romania. In G. Wessely, W. Leibl (editors) (1996), *Oil and Gas in Alpidic Thrustbelts and Basin of Central and Eastern Europe*, Published by The Geological Society, London for European Association of Geoscientists and Engineers, Special Publication No. 5, pp. 289 – 299.
Autori: Mocanu, V., Dinu, C., Radulescu, Fl., Diaconescu, M., Diaconescu, Camelia and Pompilian, A.

Study of the recent crustal movements in Romania: an overview (1996). *J Geodynamics*, **22**, 1/2, pp. 33-50.
Autori: Radulescu, Fl., Mocanu, V., Nacu, V. and Diaconescu, Camelia

⁴⁰Ar/³⁹Ar mineral age controls for the pre-alpine and alpine evolution of the napp.e complexes in the Southern Carpathians (1994). *Romanian Journal of Tectonics and Regional Geophysics*, **75**, pp. 77 - 86.
Autori: Dallmeyer, R.D., Neubauer, F., Mocanu, V. and Fritz, H.

Geophysical features of the Romanian territory (1994). *Romanian Journal of Tectonics and Regional Geophysics*, **75**, pp. 17 - 36.
Autori: Mocanu, V. and Radulescu, Fl.

Recent crustal movements in the Vrancea seismic region (Romania) (1992). *Proceedings of the XXII General Assembly of the European Seismological Commission*, pp. 349 - 352.
Autori: Radulescu, Fl., Nacu, V., Bitter, M., Dinu, C. and Mocanu, V.

Lithospheric structure of Romania and recent crustal movements (1991). *Geodynamic connections. Rev. Roum. Geol., Geogr., Geophys., Series Geophys.*, **35**, pp. 1 - 11.
Autori: Mocanu, V., Radulescu, Fl. and Dinu, C.

Geotectonic setting and the particular structural features of the Beius basin on the basis of geological and geophysical data synthesis. *Rev. Roum. Geol., Geogr., Geophys., Series Geophys.*, **35**, pp. 77 - 88.
Autori: Dinu, C., Calota, C., Mocanu, V. and Ciulavu, D.

Horizontal gradients of recent crustal movements of Romania (1988). *Rev. Roum. Geol., Geogr., Geophys., Series Geophys.*, **32**, 1988
Autori: Lazarescu, V., Radulescu, Fl., and Mocanu, V.

Deep structure of Ditrau Alkaline Massif by Gravity and Magnetics (1988). *Rev. Roum. Geol., Geogr., Geophys., Series Geophys.*, **32**, 1988,
Autori: Postolache, C., Postolache, Adriana and Mocanu, V.

Cărți și volume speciale

A tribute to Prof. Xuanxue Mo, Vol. 9 (5), Pages 1261-1594 (September 2018).

Editors: Zengqian Hou, Santosh M, Wenjiao Xiao, Yaoling Niu, Victor Mocanu

Sistemul de Determinare a Pozitiei Utilizand Sateliti (Global Positioning Systems Using Satellites – in Romanian). Editura Universitatii din Bucuresti (University of Bucharest Publishing House), 2013, 205 pp.

Autori: Paunescu, C., Mocanu, V., Dimitriu, S.

Geodynamics of Vietnam. Journal of Geodynamics, Vol. 69, 186 pp., September 2013

Editors: Cuong Nguyen Quoc, Witold Zukiewicz, Hoang Nguyen, Martin Flower, Cung Thung Chi and Victor Mocanu

Geochronology (Geocronologie – in Romanian). Editura Curtea Veche Bucuresti (Curtea Veche Publishing House, Bucharest), 2007, 98 pp.

Autor: Mocanu, V.

Sistemul Global de Pozitionare G.P.S. (Global Positioning Systems G.P.S. – in Romanian). Editura Universitatii din Bucuresti (University of Bucharest Publishing House), 2005, 119 pp.

Autori: Paunescu, C., Mocanu, V., Dimitriu, S.

The Carpathian-Pannonian Basin System: Natural Laboratory for Coupled Lithospheric-Surface Processes. Volume 410, Issue 3-4, Tectonophysics, 9 December 2005

Guest Editors: Cloetingh, S., Matenco, L., Bada, G., Dinu, C. and Mocanu, V.

Asthenosphere–lithosphere dynamic responses to Tethyan plate collisions (IGCP-430) Volume 393, Issues 1-4, Tectonophysics, 18 November 2004

Editors: M.F.J Flower, C.T. Chi, N.T. Yem and V.I. Mocanu

Geology, Tectonics and Hydrocarbon Potential of the Romanian Moesian Platform. Bucharest Geoscience Forum Special Volume no. 3 (2004), Bucharest, 87 pp.

Editors: Corneliu Dinu, Victor Mocanu

Geology and Tectonics of the Romanian Black Sea Shelf and its Hydrocarbon Potential. Bucharest Geoscience Forum Special Volume no. 2 (2002), Bucharest, 114 pp.

Editors: Corneliu Dinu, Victor Mocanu

Geological Structure and Hydrocarbon Potential of the Romanian Areas, Bucharest Geoscience Forum Special Volume No. 1 (1998), Bucharest, 121 pp.

Editors: Corneliu Dinu and Victor Mocanu

Tectonics of the Alpine - Carpathian - Pannonian region, II. Special volume 272, Nos. 2 - 4, Tectonophysics, 10 May 1997.

Editors: F. Neubauer, S. Cloetingh, C. Dinu, V. Mocanu

Study of recent crustal movements (1991), Institute of Atomic Physics, Bucharest, 112 pp..

Autori: Fl. Radulescu, V. Nacu, V. Mocanu

., Russo, R.M., Mocanu, V., Stanciu, A.C., Torpey, M., Hongresawat, S., VanDecar, J.C., LaMaskin, T.A., Foster, D.A.