

UNIVERSITATEA DIN PETROȘANI

Facultatea de Mine

Departamentul de Inginerie Minieră, Topografie și Construcții

Examen pentru ocuparea postului de Conferențiar universitar, poz. 9

Disciplinele: Fundații I și II, Beton armat și precomprimat

Domeniul Inginerie Civilă și Magement

publicat în M. O. al României nr. _____, partea a III-a, din data de _____.

LISTA DE LUCRĂRI

Candidat: RADERMACHER A. LADISLAU PETER dr. din 2000/ Șef lucrări din 2016
(NUME, inițială și prenume) (anul) (Titlul didactic/echiv.) (anul)

A) Lucrări relevante pentru realizările profesionale proprii (maxim 10 lucrări):

1. Oprina, G.; **Radermacher, L.**; Lingvay, D.; Marin, D.; Voina, A.; Mitrea, S., *Bituminous Insulations Durability of Underground Metallic Pipelines I Field investigations*, Revista de Chimie, Volume: 68 Issue: 3 Pages: 581-585 martie 2017, Accession Number: WOS:000400731900035, ISSN: 0034-7752, Impact Factor: 1.232 (2017); RIS 0.183 (în 2017);
2. I., Lingvay, E., Radu, A., Caramitu, D., Patroiu, G., Oprina, **Radermacher, L.**, S., Mitrea, *Bituminous Insulations Durability of Underground Metallic Pipelines II. Laboratory study on the aging of bituminous material*. Revista de Chimie, Volume: 68 Issue: 4 Pages: 646-651, APRIL 2017, Accession Number: WOS:000400732400004, ISSN: 0034-7752, Impact Factor: 1.232 (2017); RIS 0.183 (în 2017);
3. G., Velciu, V., Marinescu, A., Moanta, **Radermacher, L.**, A., M., Bors, *The Influence of the Ash Addition from Thermal Power Plant on the Mechanical, Thermal and Dielectric Characteristics of Mortars*, Revista de Chimie, volum 69, No. 8, august 2018, pagina, 2040-2044, WOS:000444602300023, Impact Factor: 1.412 (2018); RIS 0.135 (in 2018)
4. I., Lingvay, A., M., Bors, D., Lingvay, **Radermacher, L.**, V., Neagu, *Electromagnetic Pollution of the Environment and its Effects on the Materials from the Built up Media*, Revista de Chimie, volum 69, No. 12, decembrie 2018, pagina, 3593-3599, WOS:000458533800056, Impact Factor: 1.412 (2018); RIS 0.135 (in 2018);
5. **Radermacher, L.**, Moscaliuc, H., Marin, D., Lingvay, D., Oprina, G., *Innovative technical solution for intrinsic cathodic protection and electric safety of an underground metallic gas pipe-line [Solutie tehnica inovativa pentru protectia catodica intrinseca si electroprotectia unei conducte subterane de gaze]*, journal EEA - Electrotehnica, Electronica, Automatica, volume 64, number 2, pages 113-118, 2016, ISSN 1582-5175, BDI: Scopus, ProQuest, EBSCO.
6. **Radermacher, L.**, Lipcinski, D., Butoi, N., Lingvay, D., Caramitu, A., Marin, D., *Safety in use of reinforced concrete pillars of power lines - Case analyses [Siguranta in exploatare a stalpilor din beton armat aferente liniilor electrice - Analize de caz]*, Journal EEA - Electrotehnica, Electronica, Automatica, volume 65, number 2, pages=140-146, 2017, ISSN 1582-5175, BDI: Scopus, ProQuest, EBSCO.
7. Lingvay, I., Tanasescu, O., **Radermacher, L.**, Matei, A.-T., Lingvay, D., Bors, A.-M., *High performance electrical insulation elements for gas installations [Elemente de izolare electrica performante destinate instalatiilor de gaze]*, Journal EEA - Electrotehnica, Electronica, Automatica, volume 65, number 3, pages 5-10, 2017, ISSN 1582-5175, BDI: Scopus, ProQuest, EBSCO.
8. Velciu, G., Caramitu, A.-R., Moanta, A., Pintea, J., **Radermacher, L.**, Lingvay, I., *Behaviour electric and dielectric of cement mortars [Comportarea electric si dielectrica a unor mortare de ciment]*, Journal EEA - Electrotehnica, Electronica, Automatica, volume 65, number 3, pages 106-111, 2017, ISSN 1582-5175, BDI: Scopus, ProQuest, EBSCO.
9. Lingvay, D., Velciu, G., Bors, A.-M., Moanta, A., Caramitu, A.-R., **Radermacher, L.**, *Fly ash for increased electromagnetic protection of constructions*, Journal EEA - Electrotehnica, Electronica, Automatica, volume 66, number 2, pages 76-80, 2018, ISSN 1582-5175, BDI: Scopus, ProQuest, EBSCO.
10. **Radermacher, L.**, C., Radeanu, L., Călcâi, *Behavior of Corroded Aboveground Pipes Subjected to Internal Pressure*, Jurnal Revista Minelor – Mining Revue, volume 29, issue 3, pp. 91-9, 2023, ISSN-L 1220-2053 / ISSN 2247-8590, BDI: ProQuest, EBSCO

B) Teza de doctorat

Cercetări asupra regimului de deformare a lucrărilor miniere de pregătire din stratele groase cu înclinare mare din valea Jiului, cu implicații asupra proiectării susținerii, Conducător științific: Prof. univ. dr. ing. Lețu Nicolae, 2000, confirmat prin Ordinul M.E.C. nr. 4209/20.07.2000, Calificativul: Foarte bine

D) Lucrări care pun în evidență contribuția științifică:

-articole publicate în reviste de circulație internațională, specifice domeniului, cotate ISI sau indexate în baze de date internaționale:

1. I., Lingvai, A., M., Bors, D., Lingvai, **Radermacher, L.**, V., Neagu, *Electromagnetic Pollution of the Environment and its Effects on the Materials from the Built up Media*, Revista de Chimie, volum 69, No. 12, decembrie 2018, pagina, 3593-3599, WOS:000458533800056, Impact Factor: 1.412 (2018); RIS 0.135 (in 2018);
2. G., Velciu, V., Marinescu, A., Moanta, **Radermacher, L.**, A., M., Bors, *The Influence of the Ash Addition from Thermal Power Plant on the Mechanical, Thermal and Dielectric Characteristics of Mortars*, Revista de Chimie, volum 69, No. 8, august 2018, pagina, 2040-2044, WOS:000444602300023, Impact Factor: 1.412 (2018); RIS 0.135 (in 2018);
3. Oprina, G.; **Radermacher, L.**; Lingvai, D.; Marin, D.; Voina, A.; Mitrea, S., *Bituminous Insulations Durability of Underground Metallic Pipelines I Field investigations*, Revista de Chimie, Volume: 68 Issue: 3 Pages: 581-585 martie 2017, Accession Number: WOS:000400731900035, ISSN: 0034-7752, Impact Factor: 1.232 (2017); RIS 0.183 (in 2017);
4. I., Lingvai, E., Radu, A., Caramitu, D., Patroiu, G., Oprina, **Radermacher, L.**, S., Mitrea, *Bituminous Insulations Durability of Underground Metallic Pipelines II. Laboratory study on the aging of bituminous material*. Revista de Chimie, Volume: 68 Issue: 4 Pages: 646-651, APRIL 2017, Accession Number: WOS:000400732400004, ISSN: 0034-7752, Impact Factor: 1.232 (2017); RIS 0.183 (in 2017).
- articole publicate în reviste din țară, specifice domeniului, recunoscute de CNCS;
1. **Radermacher, L.**, C., Radeanu, L., Călcâi, *Behavior of Corroded Aboveground Pipes Subjected to Internal Pressure*, Jurnal Revista Minelor – Mining Revue, volume 29, issue 3, pp. 91-9, 2023, ISSN-L 1220-2053 / ISSN 2247-8590, BDI: ProQuest, EBSCO
2. Chirilă, D.; Dumitrașcu, C. T.; Nistor, M, C.; Nistor, R.; **Radermacher, L.**, *Deformation Speed Calculus For Horizontal Mining Works Which Are Executed In Deep Sedimentary Rocks*. Source: Annals Of The University Of Petrosani Mining Engineering . 2020, Vol. 21, P140-147. 8p.ISSN 1454-9174,
3. Nistor, R., Nistor, M.C., Dumitrașcu, C.T., **Radermacher, L.**-*The Analysis of Deformation Methods of the Horizontal Mining Works Executed in Deep Layer Sedimentary Rocks*, Annals of the University of Petroșani, Mining Engineering, 21(2020), ISSN 1454-9174;
4. **Radermacher, L.**, Mateescu, T., *Study of natural gas pipeline behaviour*, journal IOP Conference Series: Materials Science and Engineering, volume 586, number 1 ,doi 10.1088/1757-899X/586/1/012038, art_number 012038, 2019;
5. **Radermacher, L.**, Lingvai, D., Bors, A.-M., Nicula Butoi, N.O., Marin, D., *Sustainable and safe in exploitation of gas networks. Part 2. Stress factors of metallic pipelines*, journal EEA - Electrotehnica, Electronica, Automatica, volume 67, number 1, pages 68-75, 2019, ISSN 1582-5175;
6. **Radermacher, L.**, Bors, A.-M., Lingvai, D., Nicula Butoi, N.O., Voina, A., Marin, D., *Sustainable and safe in exploitation of gas networks. Part 1. Stress factors of plastic pipelines*, journal EEA - Electrotehnica, Electronica, Automatica, volume 66, number 4, pages 66-72, 2018, ISSN 1582-5175;
7. Lingvai, D., Velciu, G., Bors, A.-M., Moanta, A., Caramitu, A.-R., **Radermacher, L.**, *Fly ash for increased electromagnetic protection of constructions*, journal EEA - Electrotehnica, Electronica, Automatica, volume 66, number 2, pages 76-80, 2018, ISSN 1582-5175;
8. Velciu, G., Caramitu, A.-R., Moanta, A., Pinte, J., **Radermacher, L.** Lingvai, I., *Behaviour electric and dielectric of cement mortars [Comportarea electric si dielectrica a unor mortare de ciment]*, journal EEA - Electrotehnica, Electronica, Automatica, volume 65, number 3, pages 106-111, 2017, ISSN 1582-5175;
9. Lingvai, I., Tanasescu, O., **Radermacher, L.**, Matei, A.-T., Lingvai, D., Bors, A.-M., *High performance electrical insulation elements for gas installations [Elemente de izolare electrica performante destinate instalatiilor de gaze]*, journal EEA - Electrotehnica, Electronica, Automatica, volume 65 ,number 3, pages 5-10, 2017, ISSN 1582-5175;
10. **Radermacher, L.**, Lipcinski, D., Butoi, N., Lingvai, D., Caramitu, A., Marin, D., *Safety in use of reinforced concrete pillars of power lines - Case analyses [Siguranta in exploatare a stâlpiilor din beton armat aferente liniilor electrice - Analize de caz]*, journal EEA - Electrotehnica, Electronica, Automatica, volume 65, number 2, pages 140-146, 2017, ISSN 1582-5175;
11. **Radermacher, L.**, Moscaliuc, H., Marin, D., Lingvai, D., Oprina, G., *Innovative technical solution for intrinsic cathodic protection and electric safety o an underground metallic gas pipe-line [Solutie tehnica inovativa pentru protectia catodica intrinseca si electroprotectia unei conducte subterane de gaze]*, journal EEA - Electrotehnica, Electronica, Automatica, volume 64, number 2, pages 113-118, 2016, ISSN 1582-5175;
12. Arad, V., **Radermacher, L.**, Hulea, L., Radeanu, C., *Distributia starii secundare de tensiune din jurul unui abataj*, jurnal Revista Minelor, nr. 1/2016, vol 22, ISSN-L 1220-2053/ ISSN 2247-8590;
- lucrări/studii publicate în volumele unor manifestări științifice (conferințe, simpozioane etc.) internaționale indexate în baza de date ISI (cu ISSN sau ISBN);
5. V., Arad, S., Arad, **L., Radermacher, C.**, Radeanu, C., Popa., *A correction coefficient of mechanical parameters of the Jiu Valley coal or rock test samples*, 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Book 1 Science and Technologies in Geology, Exploration and Mining Conference Proceedings Volume III, Hydrogeology Engineering Geology & Geotechnics Applied &

Environmental Geophysics Oil & Gas Exploration, pag. 15-21, ISBN 978-619-7105-57-5, ISSN 1314-2704, Accession Number: Wos:000395499800002

6. Arad, S., Arad, L., **Radermacher**, C., Radeanu, C., Popa., *SG Steel Arch Support - Site Studies*, 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Book 1 Science and Technologies in Geology, Exploration and Mining Conference Proceedings Volume III, Hydrogeology Engineering Geology & Geotechnics Applied & Environmental Geophysics Oil & Gas Exploration, Pag. 261-268, ISBN 978-619-7105-57-5, ISSN 1314-2704, Accession Number: Wos:000395499800033;

7. Arad, S., Arad, V., Preda, M., **Radermacher**, L., Modern methods and means of controlling processes in coal processing plants, Mine Planning and Equipment Section 1997, 6th International Symposium on Mine Planning and Equipment Selection, (MPES), SEP 03-06, 1997, Ostrava, Czech Republic, Tech Univ Ostrava; Int J Surface Mining Reclamat & Environm; Univ Laval; World Mining Equipment; DIGITA Univ Cagliari, ISBN 90-54-10915-7, WOS:000072399700132;

8. Arad, S., Arad, V., **Radermacher**, L., Assessing rock fissuring in the blasting process, Mine Planning and Equipment Section 1997, 6th International Symposium on Mine Planning and Equipment Selection (MPES), SEP 03-06, 1997, Ostrava, Czech Republic, Tech Univ Ostrava; Int J Surface Mining Reclamat & Environm; Univ Laval; World Mining Equipment; DIGITA Univ Cagliari, ISBN 90-54-10915-7, WOS:000072399700090.

- lucrări/studii publicate în volumele unor manifestări științifice (sesiuni de comunicări, conferințe etc.) internaționale recunoscute (cu ISSN sau ISBN);

1. C., Radeanu, G., Vasilescu, D., Rus, L., **Radermacher**, C., Popescu, *Evaluation of the safety quality of automotive pyrotechnic articles following their exposure to triaxial vibrations with predetermined thermal conditioning cycles*, SESAM 2023;

2. C., Radeanu, G., Vasilescu, D., Rus, L., **Radermacher**, C., Popescu, *Evaluation of the safety quality of automotive pyrotechnic articles following their exposure to triaxial vibrations with predetermined thermal conditioning cycles*, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2023 Volume 23, Issue 1.1, Pages 325 - 332 23rd International Multidisciplinary Scientific Geoconference: Science and Technologies in Geology, Exploration and Mining;

3. C., M., Nistor, C., T., Dumitrașcu, L., **Radermacher**, *Optimization of the constructive system lining of metallic support structures in order to reduce deformation speeds of horizontal mining works executed in deep layer sedimentary rocks*, 10th edition of the International Multidisciplinary Symposium "UNIVERSITARIA SIMPRO 2022": Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development, MATEC Web Conf. Volume 373, 2022, <https://doi.org/10.1051/mateconf/202237300008>;

4. C., Radeanu, G., Vasilescu, C., Jitea, L., **Radermacher**, G., Ilcea, *Analysis of dangerous situations generated by explosive materials in non-compliant operations performed on industrial locations intended for their storage*, 10th edition of the International Multidisciplinary Symposium "UNIVERSITARIA SIMPRO 2022": Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development, MATEC Web of Conferences 373, 00046 2022, <https://doi.org/10.1051/mateconf/202237300046>;

5. C., Radeanu, G., Vasilescu, C., Miron, F., Vedinas, L., **Radermacher** *Evaluation of the mechanical resistance of rheophores of the means of initiation for explosive's materials, on the basis of the resistance to abrasion determined with the OPVA 10 specialized equipment*, SESAM 2021, MATEC Web of Conferences 354, 00037 (2022), <https://doi.org/10.1051/mateconf/202235400037>;

6. L., **Radermacher**, T., Mateescu, *Study on the Behaviour of High-Density polyethylene (HDPE) Pipes Buried, on The explosion's Effect*, The 30th Conference BSEE 2020, Iasi, Romania, BSEE IASI-RO, DOI: 10.2478/9788395720413-023;

7. **Radermacher**, L., Radeanu, C., *Fem analysis of corrugated steel culverts under standardized highway load*, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, volume 18, number 1.2, pages 263-268, doi10.5593/sgem2018/1.2/S02.033;

8. **Radermacher**, L., Radeanu, C., *Bearing capacity improvement of wet foundation soils through grouting*, journal International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2018, volume 18, number 1.2, pages 129-136, doi10.5593/sgem2018/1.2/S02.017;

9. Chindris, L., Arad, V., Arad, S., **Radermacher**, L., Radeanu, C., *Valorization of mining waste in the construction industry general considerations*, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2017, volume 17, number 41, pages 309-316, doi 10.5593/sgem2017/41/S18.040;

10. Chindris, L., Stefanescu, D.P., **Radermacher**, L., Radeanu, C., Popa, C., *Expansive soil stabilization - General considerations*, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2017, volume 17, number 32, pages 247-256, doi 10.5593/sgem2017/32/S13.033;

11. Radeanu, C., Chindris, L., Stefanescu, D.P., **Radermacher**, L., Popa, C., *Mathematical models used to determine the strain of experimental works Jiu valley mining basin*, International Multidisciplinary

Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 2017, volume17, number 13, pages 537-542,doi I0.5593/sgem2017/13/S03.068.

- *brevete de invenție.*

Brevet de invenție nr. 119249 BI „*Profil laminat utilizat pentru arcele de susținerea lucrărilor miniere*” OSIM, București 2004, autori Medves, E., R., **Radermacher, L.,**

E) Lucrări care pun în evidență activitatea didactică

- *cursuri universitare publicate:*

C., M., Nistor, L. **Radermacher, C.,** Rădeanu, C., Moldovan, C., Dumitrașcu, *Explozivi industriali*, Editura Universitas, Petroșani, 2022. 209 pag;

Radermacher, L., *Beton, beton armat si precomprimat*, Editura Universitas, Petroșani, 2017, ISBN 978-973-741-528-8, 316 pag;

Arad, V., **Radermacher, L.,** Apostu S, *Mecanica Rocilor*, editia a II a, Editura Universitas, Petroșani, 2016, ISBN 978-973-741-467-0, 331 pag;

Arad, V., Apostu, S. , **Radermacher, L.,** Todorescu, A., *Geotehnica si fundatii*, Editura Focus, Petroșani 2016, ISBN 978-973-677-306-8, 479 pag.;

Arad, V., **Radermacher, L.,** *Evaluarea și Gestionarea Riscurilor în Construcții Miniere*, Editura Universitas, Petroșani, 2013, ISBN 978-973-741-380-2, 311 pag.;

- *îndrumătoare publicate:*

Dumitrascu C.,T., Nistor, M.,C., **Radermacher, L.,** *Îndrumar de proiectare și aplicații practice pentru fundații*, Editura Universitas, Petroșani, 2019, ISBN 978-973-741-653-7, 288 pag;

Radermacher, L., Dura, C., *Fundații Îndrumar de proiectare și aplicații practice*, Editura Universitas, Petroșani, 2017, ISBN 978-973-741-554-7, 96 pag;

Radermacher, L., Arad, V., Apostu, S. , *Geotehnica, lucrari de laborator*, Editura Universitas, Petroșani , 2016, ISBN 978-973-741-477-9, 250 pag ;

Arad, V., **Radermacher, L.,** *Materiale de Construcții, Teorie și Încercări de Laborator* Editura Universitas, Petroșani, 2014, ISBN 978-973-741-379-6, 243 pag.;

Arad, V., **Radermacher, L.,** *Beton, Teorie și Încercări de Laborator*, Editura Focus, Petroșani, 2015, ISBN 978-973-677-294-8, pg. 247;

Arad, V., **Radermacher, L.,** *Mecanica Rocilor, Lucrări de laborator*, Editura Universitas, Petroșani,2013, ISBN 978-973-741-328-4, 187 pag.;

- *culegeri publicate:*

Arad, V., **Radermacher, L.,** *Mecanica Materialelor de Construcții. Stabilitatea Construcțiilor. Teorie și Probleme*, Editura Universitas, 2014, ISBN 978-973-741-374-1, 336 pag..

F) Lucrări care pun în evidență activitatea de cercetare:

- proiecte de cercetare pe bază de contracte/granturi naționale:

Radermacher Ladislau-*Analiza argilelor din Valea Jiului și implicațiilor lor asupra coroziunii structurilor metalice subterane*-Grant de cercetare nr. 700/31.07.2023, S.C. Exminer Construct S.R.L. cu Universitatea din Petroșani. Valoare 5500 euro (27140,30 lei), 2023, <https://www.upet.ro/interes-public/anunturi/>

Data 04.12.2023

Candidat,
Radermacher Ladislau Peter

