

DOMENIUL FUNDAMENTAL: ȘTIINȚE INGINEREȘTI

DOMENIUL DE DOCTORAT: INGINERIE INDUSTRIALĂ

Nume Prenume: **MORARU ROLAND IOSIF**
Gradul didactic: **Prof.univ.dr.habil. ing.**
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Departamentul: **Management și Inginerie Industrială**

L I S T A

lucrărilor științifice

A. Teza de doctorat/abilitare

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|---|
| A1. <i>Contribuții privind studiul recircuitării controlate a aerului ca tehnică de ventilație a fronturilor de lucru din subteran</i> , Teză de doctorat, Universitatea din Petroșani, 1999. |
| A2. <i>Cercetări și rezultate în domeniul securității industriale și ocupaționale</i> , Teză de abilitare, Universitatea din Petroșani, 2015 |

B. Cărți și capitole în cărți publicate în ultimii 10 ani

Cărți:

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| B1. Cioca L-I, Moraru R.I. , <i>Managementul riscurilor profesionale psihosociale</i> , Universității “Lucian Blaga” din Sibiu, ISBN 978-973-739-924-3, 2010, 308 pg. |
| B2. Moraru R.I. , <i>Securitate și sănătate în muncă: tratat universitar</i> , Editura Focus, Petroșani, ISBN 978-973-677-272-6, 2013, 537 pg. |
| B3. Moraru Roland , Băbuț Gabriel, <i>Managementul riscurilor: abordare globală - concepte, principii și structură</i> , Editura Universitas, Petroșani, ISBN 978-973-741-128-0, 2009, 142 pg. |
| B4. Moraru, R.I. , Băbuț, G.B., <i>Evaluarea și managementul participativ al riscurilor: ghid practic</i> , Editura Focus (cod CNCSIS 004), Petroșani, 2010, ISBN 978-973-677-206-1, 259 pag. |
| B5. Băbuț, G.B., Moraru, R.I. , <i>Auditarea în domeniul securității și sănătății în muncă: îndrumător pentru aplicații practice și proiecte</i> , Editura Universitas (cod CNCSIS 194), Petroșani, 2014, ISBN 978-973-741-384-0, 334 pag. |
| B6. Moraru, R.I. , <i>Metode neconvenționale de analiză și evaluare a riscurilor: note de curs</i> , Editura Universitas, Petroșani, 2019, ISBN 978-973-741-632-2, 367 pag. |
| B7. Fiță, N.D., Moraru, R.I. , Băbuț, G.B., Păsculescu, D., Pană, L., Popescu-Stelea, M., Bădică, M.N., Vișan, R.N., <i>Electrosecuritatea infrastructurilor critice și lucrătorilor din cadrul sistemului electroenergetic național</i> , Editura Universitas (cod CNCSIS 194), Petroșani, 2019, ISBN 978-973-741-642-1, 322 pag. |
| B8. Moraru, R.I. , Popescu-Stelea, M., <i>SSM 5.0 și ingineria factorului uman</i> , Universitas Publishing House, Petroșani, 2022, ISBN: 978-973-741-844-9, 449 pag. |
| B9. Moraru, R.I. , <i>Securitate ocupațională și industrială: tratat universitar</i> , Universitas Publishing House, Petroșani, -2023, 2 vol., ISBN 978-973-741-903-3, Vol. 1, 2. - ISBN 978-973-741-904-0 2023, 1396 pag. |
| B.10. Dregan, C.V. Moraru, R.I. , <i>Cultura de securitate: fundamente teoretice și studii aplicative</i> , Editura UNIVERSITAS Petroșani, 2025, ISBN 978-973-741-852-4, 316 pag. |

Capitole în cărți:

- B11. Moraru R.I.,** *General model of the risk management process of injury and occupational Steps in Conducting a OHS Risk assessment.* Chapter Book in: Cioca L.I., in Occupational Health and Safety, Editors: Mihaela Rotaru & Lucian-Ionel Cioca, © 2024, Bentham Books imprint. Published by Bentham Science Publishers Pte. Ltd. Singapore. All Rights Reserved. First published in 2024.
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Blended Learning through Innovative Tools for Sustainable and Safety Engineering and Social Inclusion / SafeEngine Erasmus+ Strategic Partnerships no. 2020-1-RO01-KA203-080085, Moraru, R.I., Bentham Science Publishers Pte. Ltd, 80 Robinson Road #02-00 Singapore 068898; Singapore. ISBN (Online): 978-981-5165-52-4; ISBN (Print): 978-981-5165-53-1; ISBN (Paperback): 978-981-5165-54-8; DOI: 10.2174/9789815165524124010008; 2024, 23 pag. (pp. 84-106)
- B12. Moraru, R.I.,** *Challenges and opportunities in occupational health and safety digitalization,* Chapter Book in „Digital Transformation”, Series title: Intelligent Systems Reference Library, Book subtitle: Technology, Tools, and Studies, Editors: Lucian-Ionel Cioca, Larisa Ivascu, Florin Gheorghe Filip, Banciu Doina; <https://doi.org/10.1007/978-3-031-55952-5>; SPRINGER Publishing House; Weblink: <https://link.springer.com/book/9783031559518>; eBook ISBN: 978-3-031-55952-5; ISSN: 1868-4394
Hardcover ISBN: 978-3-031-55951-8; Softcover ISBN 978-3-031-55954-9, 27 April., 2024 25 pag. (pp. 189-213)
- B13. Dregan, C.V. Moraru, R.I.,** *Politica securității și sănătății muncii – de la deziderat la realitate,* capitol de carte în “Tendințe ale managementului organizației modern în contextual actualelor provocări”, Coordonatori Diana Elena Ranf, Olga Maria Cristina Bucovețchi, Elida-Tomița Todăriță, 355 pag. Editura Academiei Forțelor Terestre “Nicolae Bălcescu”, Sibiu, 2024, 978-973-153-551-7, 11 pag (pp. 214-224)

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

- Lucrări în reviste indexate Clarivate Analytics ISI WoS și în volume indexate Clarivate Analytics ISI WoS - ISI Proceedings**
- Lucrări în reviste indexate Clarivate Analytics ISI WoS**
- C1. Moraru, R.I.,** Băbuț, G.B., Cioca, L.I., *Adressing the human error assessment and management,* Archives of Mining Sciences, Volume 55, Issue 4, pp. 873-878, 2010 (**Impact Factor 2010: 0,312; ISSN** 0860-7001; <http://archiwum.img-pan.krakow.pl/index.php/AMS/article/view/332/337>); **BDI:** Web of Science Core Collection - Science Citation Index Expanded, Astrophysics Data System (ADS), Baidu Scholar, BazTech, Celdes, Chemical Abstracts Service (CAS), Chemical Abstracts Service (CAS) - SciFinder, CNKI Scholar (China National Knowledge Infrastructure), CNPIEC, EBSCO - TOC Premier, EBSCO Discovery Service, EEVL, Genamics, JournalSeek, GeoRef, Google Scholar, Inspec, J-Gate, JournalTOCs, Naviga (Softweco), PKP, Primo Central (ExLibris), ProQuest (relevant databases), ReadCube, ResearchGate, Summon (Serials Solutions/ProQuest), Scopus, TDOne (TDNet), TEMA Technik und Management, U.S. Geological Survey Library, Ulrich's Periodicals Directory/ulrichsweb, WorldCat (OCLC); **Publisher:** POLISH ACAD SCIENCES, STRATA MECHANICS RES INST, UL REYMONTA 27, KRAKOW, 30-059, POLAND; **Research Areas:** Mining & Mineral Processing; **Web of Science Categories:** Mining & Mineral Processing; **IDS Number:** 708KA; **Accession Number:** WOS:000286359500012. **CITED 39 TIMES**
- C2. Moraru, R.I.,** Băbuț, G.B., Cioca, L.I., *Rationale and criteria development for risk assessment tool selection in work environments,* Environmental Engineering and Management Journal, Volume 13, Issue 6, pp. 1371-1376, 2014 (**revistă categoria A cotată ISI, Impact Factor 2014: 1,065, cod CNCISIS** 148; **ISSN** 1582-9596; **eISSN** 1843-3707; http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no6/8_1080_Moraru_13.pdf); **BDI:** Web of Science Core Collection - Science Citation Index Expanded, Scopus, CAB International, Chemical Abstracts Service/SciFinder (ACS), EBSCO Database, EVISA, ICAAP (International Consortium for Advancement of Academic Publications), Index Copernicus Journal

Master List, MedSci, ProQuest, The National University Research Council (RO); **Publisher:** GH ASACHI TECHNICAL UNIV IASI, 71 MANGERON BLVD, IASI, 700050, ROMANIA; **Research Areas:** Environmental Sciences & Ecology; **Web of Science Categories:** Environmental Sciences; **IDS Number:** AS9QR; **Accession Number:** WOS:000344577300009. **CITED 64 TIMES**

C3. Băbuț, G.B., **Moraru, R.I.**, Dura, C., *Cadrul conceptual și metodologic de analiză și evaluare a riscurilor pentru amplasamentele industriale de tip Seveso (I) Terminologia, obiectivele și etapele evaluării riscurilor/Conceptual and methodological framework for risk analysis and evaluation on Seveso industrial sites (I) Risk evaluation terminology, objectives and stages*, Revista „Calitatea - acces la succes”/„Quality - Access to Success” Journal, Volume 16, Issue 145, pag. 49-55 (română), pp. 111-116 (engleză), 2015 (revistă categoria **B+**, cod **CNCSIS** 688, **ISSN** 1582-2559; <http://www.srac.ro/calitatea/arhiva/2015/2015-02-Cuprins.pdf>); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business & Economics; **Web of Science Categories:** Management; **IDS Number:** V8G1S; **Accession Number:** WOS:000421605900012.

C4. Băbuț, G.B., **Moraru, R.I.**, Dura, C., *Cadrul conceptual și metodologic de analiză și evaluare a riscurilor pentru amplasamentele industriale de tip Seveso (II) Studiul critic-comparativ și dezvoltarea de noi abordări privind metodele de analiză și evaluare a riscurilor/Conceptual and methodological framework for risk analysis and evaluation on Seveso industrial sites (II) Critical-comparative study and development of new approaches regarding the risk analysis and evaluation methods*, Revista „Calitatea - acces la succes”/ „Quality - Access to Success” Journal, Volume 16, Issue 146, pag. 41-53 (română), pp. 103-112 (engleză), 2015 (revistă categoria **B+**, cod **CNCSIS** 688, **ISSN** 1582-2559; <http://www.srac.ro/calitatea/arhiva/2015/2015-03-Cuprins.pdf>); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business & Economics; **Web of Science Categories:** Management; **IDS Number:** V8G2O; **Accession Number:** WOS:000421608100011.

C5. Băbuț, G.B., **Moraru, R.I.**, Cioca, L.I., *Categorizarea și clasificarea operațională a actelor de rea-voință în vederea integrării acestora în procesul de evaluare a riscurilor de producere a accidentelor majore/Operational categorization and classification of the malevolent acts for their integration in the risk assessment process of the major accidents*, Revista „Calitatea - acces la succes”/„Quality - Access to Success” Journal, Volume 16, Issue 147, pag. 25-33 (română), pp. 85-91 (engleză), 2015 (revistă categoria **B+**, cod **CNCSIS** 688, **ISSN** 1582-2559; <http://www.srac.ro/calitatea/arhiva/2015/2015-04-Cuprins.pdf>); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business & Economics; **Web of Science Categories:** Management; **IDS Number:** V8G3H; **Accession Number:** WOS:000421610000009.

C6. Băbuț, G.B., **Moraru, R.I.**, Popescu-Stelea M., *Analiza critică și modalitățile de îmbunătățire a terminologiei utilizate în domeniul securității mașinilor/Critical analysis and ways to improve the terminology employed in the machinery safety field*, Revista „Calitatea - acces la succes” /„Quality - Access to Success” Journal, Volume 16, Issue 149, pag. 39-49 (română), pp. 98-106 (engleză), 2015 (revistă categoria **B+**, cod **CNCSIS** 688, **ISSN** 1582-2559; <http://www.srac.ro/calitatea/arhiva/2015/2015-06-Cuprins.pdf>); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business & Economics; **Web of Science Categories:** Management; **IDS Number:** V8G4G; **Accession Number:** WOS:000421612500010.

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C8. Băbuț, G.B., Moraru, R.I., *Managementul riscurilor de accidente majore generate de actele de rea-voință/Risk management of major accidents generated by malevolent acts*, Revista „Calitatea - acces la succes”/„Quality - Access to Success” Journal, Volume 17, Issue 152, pag. 25-38 (română), pp. 99-109 (engleză), 2016 (**revistă categoria B+**, **cod CNCISIS 688, ISSN 1582-2559**; <http://www.srac.ro/calitatea/arhiva/2016/2016-03-Cuprins.pdf>); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business&Economics; **Web of Science Categories:** Management; **IDS Number:** EU7WJ; **Accession Number:** WOS:000401246400008.

C9. Moraru, R.I., Băbuț, G.B., Băncilă-Afrim, N., Mareș, R., *Occupational safety risk analysis tools depiction in a selected off-shore drilling company*, „Quality - Access to Success” Journal, Volume 18, Supplement 1, pp. 15-18, 2017 (**revistă categoria B+**, **cod CNCISIS 688, ISSN 1582-2559**; http://www.srac.ro/calitatea/arhiva/supliment/2017/Q-asContents_Vol.18_S1_Jan-2017.pdf); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business&Economics; **Web of Science Categories:** Management; **IDS Number:** FP1WH; **Accession Number:** WOS:000417405000002.

C10. Băbuț, G.B., Moraru, R.I., *General principles and framework of machinery risk management*, „Quality - Access to Success” Journal, Volume 18, Supplement 1, pp. 19-24, 2017 (**revistă categoria B+**, **cod CNCISIS 688, ISSN 1582-2559**; http://www.srac.ro/calitatea/arhiva/supliment/2017/Q-asContents_Vol.18_S1_Jan-2017.pdf); **BDI:** Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher:** SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas:** Business&Economics; **Web of Science Categories:** Management; **IDS Number:** FP1WH; **Accession Number:** WOS:000417405000003.

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C14. Mareș, R., Popescu-Stelea, M., **Moraru, R.I.**, Băbuț, G.B., Nagy, M., *Employees protection in maintenance activities. A statistic image*, „Quality - Access to Success” Journal, Volume 20, Supplement 1, pp. 165-170, 2019 (**revistă categoria B+**, **cod CNCISIS 688**, **ISSN 1582-2559**; http://www.srac.ro/calitatea/arhiva/supliment/2019/Q-asContents_Vol.20_S1_January-2019.pdf); **BDI**: Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher**: SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas**: Business&Economics; **Web of Science Categories**: Management; **IDS Number**: HM7UX; **Accession Number**: WOS:000459686300029.

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C16. Băncilă-Afrim, N., **Moraru, R.I.**, Cioca, L.I., Băbuț, G.B., *Accidents at work among industrial presses operators: analysis of statistics in North-Western region of Romania*, „Quality - Access to Success” Journal, Volume 20, Supplement 1, pp. 19-24, 2019 (**revistă categoria B+**, **cod CNCISIS 688**, **ISSN 1582-2559**; http://www.srac.ro/calitatea/arhiva/supliment/2019/Q-asContents_Vol.20_S1_January-2019.pdf); **BDI**: Web of Science Core Collection - Emerging Sources Citation Index (ESCI), Scopus, EBSCO Publishing Inc., PROQUEST și CABELL’S Directory-Management; **Publisher**: SOC ROMANA PENTRU ASIGURAREA CALITATII, STR VASILE PARVAN NR 14, SECTOR 1, POSTAL CODE 010 216, BUCHAREST, 00000, ROMANIA; **Research Areas**: Business&Economics; **Web of Science Categories**: Management; **IDS Number**: HM7UX; **Accession Number**: WOS:000459686300003.

C17. Toderaș, M., **Moraru, R.I.**, Danciu, C., Buia, G., Cioca, L.I., *Model to Assess the Quality of Magmatic Rocks for Reliable and Sustainable Constructions*, *Sustainability*, 2017, 9(10), 1925; DOI:[10.3390/su9101925](https://doi.org/10.3390/su9101925), Impact factor 1,789; <http://www.mdpi.com/2071-1050/9/10/1925> -

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Accession Number: WOS:000409071500002

C19. Dura, C., **Moraru, R.**, Isac, C., *Reshaping Education within the University of Petroșani under the influences of the Labor Market*, *Polish Journal of Management Studies*, vol. 14, No. 1 /2016, pag. 63 – 73, Czestochowa Technical University, Department of Management; ISSN 2081-7452, , **BDI:** SCOPUS, RePEc (Impact Factor- 0,62); EBSCOHOST, Index Copernicus, EconPapers, BAZTECH.**Accession Number:** WOS:000393131800006

C20. Dura, C., Păun, A.P., **Moraru,R.I.**, *Studiu empiric privind relația dintre performanțele de securitate și sănătate în muncă și rezultatele financiare ale companiilor responsabile social/ Empirical Analysis on the Relationship between Corporate Health and Safety Performance and the Financial Outcome within Socially Responsible Companies*, *Revista „Calitatea - acces la succes”/„Quality - Access to Success” Journal*, vol. 19, nr. 162/ February 2018, pag. 27-34 (română), pp. 155-160 (engleză), , (ISSN 1582-2559), (**revistă categoria B+**, **cod CNCISIS 688**, ISSN 1582-2559; **BDI: Web of Science™ Core Collection - Emerging Sources Citation Index (ESCI)**, SCOPUS, EBSCO, CABELL'S și PROQUESTIDS Number: FU1PP; Web of Science Categories: Management; **Accession Number** WOS: 000423622200020

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E. Brevete obținute în întreaga activitate

E1.	-
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Data:
01.12.2025

Semnătura:


LISTA
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A. Teza de doctorat și teza de abilitare

A1 <i>"Cercetări privind îmbunătățirea eficienței producerii și utilizării energiei pneumatice în industria minieră"</i> , Universitatea din Petrosani, 2005.
A2 <i>"Creșterea eficienței energetice a proceselor industriale componentă a strategiei de dezvoltare durabilă"</i> , Universitatea din Petrosani, 2016.

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D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

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Cereri de brevete de invenție și alte titluri de proprietate intelectuală

Nr. crt.	Autor(i)	Denumire cerere de brevet	Cerere de brevet depusă la
F1			

Data:
02.12.2025

Semnătura:



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Gradul didactic: **CSI.dr.habil.ing.**
Instituția unde este titular: **INCD INSEMEX Petroșani**
Departament: **Securitatea Explozivilor și Articolelor Pirotehnice**
Laborator: **Materii Explozive și Articole Pirotehnice**

L I S T A **lucrărilor științifice**

A. Teza de doctorat/abilitare

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- Selecție cu maximum 20 de lucrări în volume de conferințe

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F. Brevete obținute în întreaga activitate

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16.12.2025

Semnătura:

