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Lista publicațiilor științifice pe categorii, lucrărilor, articolelor/studiilor, brevetelor, proiecte de cercetare-dezvoltare pe bază de contract/grant, altele (inclusiv citările)

Candidat: dr. ing. BADEA Daniel Onuț



I. Teza doctorat

Optimizarea proiectării și testării echipamentelor individuale de protecție / Optimizing the Design and Testing of Personal Protective Equipment - Universitatea Națională de Știință și Tehnologie Politehnica București

Domeniul fundamental ȘTIINȚE INGINEREȘTI; Domeniul de doctorat INGINERIE INDUSTRIALĂ.

<https://upb.ro/optimizarea-proiectarii-si-testarii-echipamentelor-individuale-de-protectie-optimizing-the-design-and-testing-of-personal-protective-equipment-badea-daniel-onut-15-12-2023-ora-1000/>

II. Publicații științifice (cărți de autor, articole/studii/capitole, volume editate)

II.1. Articole indexate în reviste Web of Science

1. Badea, D.O.; Cioca, M. Human Work Capacity as a Dynamic Boundary Condition of Industrial Sustainability. Sustainability 2026, 18, 3520. <https://doi.org/10.3390/su18073520>. WOS:001738960300001. (Zona galbenă, JIF Quartile Q2; IF 3.3)
<https://www.mdpi.com/journal/sustainability>
2. Radu, S.M.; Badea, D.O.*; Cioca, V.-R. Occupational Safety and Health as Assessable Transversal Competence in Higher Education. Educ. Sci. 2026, 16, 297. <https://doi.org/10.3390/educsci16020297>. WOS:001703621600001. (Zona roșie, JIF Quartile Q1; IF 2.6)
Education Sciences | An Open Access Journal from MDPI
3. Pruteanu, A.; Nițu, M.; Vlăduț, V.; Matache, M.; Vocea, I.; Iuliana, G.; Vanghele, N.; Nenciu, F.; Cujbescu, D.; Badea, D.O. Induced Phytoextraction of Heavy Metals from Soils Using Brassica juncea and EDTA: An Efficient Approach to the Remedy of Zinc, Copper and Lead. Environments 2026, 13, 23. <https://doi.org/10.3390/environments13010023>. WOS:001672049900001. (Zona galbenă, JIF Quartile Q2; IF 3.7)
Environments | An Open Access Journal from MDPI
4. Badea DO, Darabont DC, Cioca LI, Coman C, Chis TV. Integrated Effects of Environmental and Classroom Noise on Attention and Learning in School-age Children. Noise Health. 2026; 28(130):33-46. doi: 10.4103/nah.nah_260_25. WOS:001709216500015. (JIF Quartile Q3; IF 1.4) Available at: https://www.ovid.com/jnls/nohe/fulltext/10.4103/nah.nah_260_25-integrated-effects-of-environmental-and-classroom-noise-on
<https://www.ovid.com/jnls/nohe>
5. Badea, D.O.; Darabont, D.C.; Cioca, L.-I.; Bejinariu, C.; Feraru, A.; Pruteanu, A.M. Sustainable Governance of Extreme Heat Risk in the Context of Occupational Safety and

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- Health. *Sustainability* **2025**, *17*, 11187. <https://doi.org/10.3390/su172411187>. WOS:001647384000001. (Zona galbenă, JIF Quartile Q2; IF 3.3) <https://www.mdpi.com/journal/sustainability>
6. **Badea DO**. Circadian Disruption from Urban Night-Time Noise and Endocrine Health Risks in Shift Workers. *Noise Health*. 2025; 27(129):641-652. doi: 10.4103/nah.nah_183_25. WOS:001653155000019. Available at: https://www.ovid.com/jnls/nohe/fulltext/10.4103/nah.nah_183_25~circadian-disruption-from-urban-night-time-noise-and (JIF Quartile Q3; IF 1.4) <https://www.ovid.com/jnls/nohe>
 7. Alina Trifu, Doru Costin Darabont, Vicentiu Ciocîrlea, Iulian Madalin Ivan, **Daniel Onuț Badea & Nicoleta Crăciun**. A sustainable risk assessment method for workers with disabilities: an ICT-based tool to help SMES managers. *Discov Sustain* **6**, 360 (2025). <https://doi.org/10.1007/s43621-025-01213-w>. WOS:001480410100001. (Zona galbenă, JIF Quartile Q2; 2.4)
Home | Discover Sustainability | Springer Nature Link
 8. Trifu, A., Darabont, D.C., **Badea, D.O.**, Ciocîrlea, V., Ivan, I.M., & Crăciun, N. (2025). The Use of Virtual Reality for Occupational Safety Education and Training in Agriculture in the Last Decade: A Scientometric Analysis and Review. *International Journal of Education and Information Technologies*. DOI: 10.46300/9109.2025.19.5. WOS:001495303700001. (JIF Quartile Q3; IF 0.6) Available at: <https://npublications.com/journals/articles.php?id=602>
<https://www.naun.org/cms.action?id=14>
 9. Darabont, D.C.; Cioca, L.-I.; **Badea, D.O.** * Digital Approaches for Mitigating Occupational Vibration Exposure in the Context of Industry 4.0. *Safety* **2025**, *11*, 31. <https://doi.org/10.3390/safety11020031>. WOS:001516395100001. (JIF Quartile Q3; IF 1.8)
<https://www.mdpi.com/journal/safety>
 10. Chis TV, Cioca L-I, **Badea DO***, Cristea I, Darabont DC, Iordache RM, Platon SN, Trifu A, Barsan V-A. Integrated Noise Management Strategies in Industrial Environments: A Framework for Occupational Safety, Health, and Productivity. *Sustainability*. **2025**; 17(3):1181. WOS:001419646200001. <https://doi.org/10.3390/su17031181> (Zona galbenă, JIF Quartile Q2; IF 3.3)
<https://www.mdpi.com/journal/sustainability>
 11. Darabont, D.C.; Cioca, L.-I.; Bejinariu, C.; **Badea, D.O.***; Chivu, O.R.; Chiș, T.V. Impact of Personal Protective Equipment Use on Stress and Psychological Well-Being Among Firefighters: Systematic Review and Meta-Analysis. *Sustainability* **2024**, *16*, 9666. WOS:001366118200001 <https://doi.org/10.3390/su16229666>. (Zona galbenă - Q2; IF 3.3)
<https://www.mdpi.com/journal/sustainability>
 12. **Badea, D.O.**, Darabont, D. C., Chis, T., & Trifu, A. (2024). The transformative impact of e-learning on workplace safety and health training in the industry: A comprehensive analysis of effectiveness, implementation, and future opportunities. *International Journal of Education and Information Technologies*, 18, 105-118. WOS:001401912500001 <https://doi.org/10.46300/9109.2024.18.11>. (JIF Quartile Q3; IF 0.6)
<https://www.naun.org/cms.action?id=14>
 13. **Badea, D.O.**, Darabont, D. C., Cioca, L.-I., Trifu, A., & Barsan, V.-A. (2024). Blockchain technology for enhanced traceability and sustainability of personal protective equipment in Romanian agriculture. *INMATEH - Agricultural Engineering*, 74(3), 543-553. WOS:001426096100041. <https://doi.org/10.35633/inmateh-74-48>. (JIF Quartile Q4; IF 0.6)
[Inmateh](https://www.inmateh.ro)
 14. **Badea, D.O.**; Darabont, D.C.; Ivan, I.; Ciocîrlea, V.; Stepa, R.A.; Chivu, O.R. Workers' Exposure to Chemical Risk in Small and Medium-Sized Enterprises: Assessment Methodology and Field Study. *Sustainability* **2024**, *16*, 6308. <https://doi.org/10.3390/su16156308>. WOS:001287163200001 (Zona galbenă, JIF Quartile Q2; IF 3.3)

<https://www.mdpi.com/journal/sustainability>

15. Badea, D.O., Trifu, A. & Darabont, D.C. A comparative study on the effectiveness of pollutants control measures adopted in the steel industry to reduce workplace and environmental exposure: a case study. *Scientific Reports* 14, 9916 (2024). WOS:001225890200024 <https://doi.org/10.1038/s41598-024-60817-w> (Zona roșie, JIF Quartile Q1; IF 3.8)

Scientific Reports

16. Badea D.O., Cioca V.R., Darabont D.C., Chis T.V., Iordache R.M. Ontology-based occupational safety and health management for workers with disabilities. *Polish Journal of Management Studies*. (2024);30(1):24-41. <https://doi.org/10.17512/pjms.2024.30.1.02>. <https://pjms.zim.pcz.pl/article/549227/en>. WOS:001410206000002. (JIF Quartile Q4; IF 1.1)

Polish Journal of Management Studies

17. Badea, D. O., Chivu, R. O. & Darabont, D. C., (2024). Analyzing the relationship between air permeability and the performance of technical textiles. *Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering*, [S.l.], v. 67, n. 3, sep. 2024. ISSN 2393-2988. <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2520/1966> WOS:001425211200008. (JIF Quartile Q4; IF 0.1)

About the Journal

18. Badea, D.O.; Cioca, L.-I.; Coman, C.; Posa, M.-V. Task-Based Configuration Model for Occupational Safety and Health in Heritage Work Environments. *Safety* 2026, 12, 102. <https://doi.org/10.3390/safety12040102>. (Zona galbenă, JIF Quartile Q2; IF 2.4)

<https://www.mdpi.com/journal/safety>

II.2. Articole în volumele unor manifestări științifice indexate Web of Science

1. Alina Trifu, Doru Costin Darabont, Vicentiu Ciocirlea, Iulian Ivan, **Daniel Onuț Badea**, Raluca Iordache. Safety Knowledge Maps - A Tool for Education and Training in Occupational Safety. *Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering*. [S.l.], v. 68, n. 3&4, nov. 2025. ISSN 2393-2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2985>. WOS:001697518900006

About the Journal

2. **Daniel Onuț Badea**, Doru Costin Darabont, Oana Roxana Chivu, Șener Karabulut, Alina Trifu, Raluca Maria Iordache. Vibrations: A Silent Risk In Work-Related Musculoskeletal Disorders. [S.l.], v. 68, n. 3&4, nov. 2025. ISSN 2393-2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2984/2370>. WOS:001697518900005

About the Journal

3. Raluca Maria Iordache, Delia Mihăilă, Raluca Stepa, Maria Haiducu, Alina Trifu, **Daniel Onuț Badea**. Psychosocial Risks Dimension in Decision Support System. *ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING*, [S.l.], v. 68, n. 3&4, nov. 2025. ISSN 2393-2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2938>. WOS:001697518900004.

About the Journal

4. Alina Trifu, Doru Costin Darabont, Roxana Oana Chivu, Vicentiu Ciocirlea, Iulian Ivan, Nicoleta Crăciun, **Daniel Onuț Badea**, Raluca Iordache. OSH Training for Vulnerable Groups in The Industry 4.0 Context. *ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING*, [S.l.], v. 68, n. 3&4, nov. 2025. ISSN 2393-2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2888>. WOS:001653657300012

About the Journal

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5. Badea, D. O., Trifu, A., & Chivu, R. O. (2023). Thermal protective performance of firefighters clothing. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 65, n. 35, jan. 2023. ISSN 2393-2988. Available at: <<https://atna-mam.utcluj.ro/index.php/Acta/article/view/1936>>. WOS:000953026700005

About the Journal

6. Trifu, A., Badea, D. O., & Foggarasy, P. (2023). Occupational safety issues related to workers with disabilities - A systematic review. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 65, n. 35, jan. 2023. ISSN 2393-2988. Available at: <<https://atna-mam.utcluj.ro/index.php/Acta/article/view/1977>>. WOS:000953026700045

About the Journal

7. Platon, S. N., Tudor, A., Badea, D., & Ciocan, I. (2017). Occupational noise. Risk assesment hearing loss using homogenous exposure noise groups. *Quality-Access to Success*, 18. Available at: https://openurl.ebsco.com/EPDB%3Agcd%3A13%3A29117341/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A120525536&crl=c&link_origin=www.google.com. WOS:000417405000033

Occupational noise. Risk assesment hearing loss - ProQuest

III. Lista articolelor/studiilor în extenso, publicate în reviste din fluxul științific internațional principal

Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. Badea, D.O. Adaptive Powder Behavior Model for Dispersion and Recovery in Metal Additive Manufacturing. *Powders* 2026, 5, 8. <https://doi.org/10.3390/powders5010008>
<https://www.mdpi.com/journal/powders/indexing>
2. Daniel Onut Badea, Doru Costin Darabont, Timur Vasile Chiș, Alina Trifu, Task-based Modular Ventilation for Industry 5.0: A Worker-Centered Design Approach for Flexible Production, WSEAS Transactions on Business and Economics, vol. 22, pp. 1183-1195, 2025, DOI:10.37394/23207.2025.22.96 Available at: <https://wseas.com/journals/articles.php?id=10645>
WSEAS
3. Badea, D.O.; Darabont, D.C.; Trifu, A.; Ivan, I.; Ciocirlea, V. A Digital Model for Incident Reporting to Support Occupational Safety and Health in Laboratories. *Laboratories* 2025, 2, 13. <https://doi.org/10.3390/laboratories2020013>
Laboratories | Indexing & Abstracting
4. Daniel Onuț Badea and Florentina Poruschi. The influence of the conditions of use of the protective clothing on its mechanical and comfort characteristics. MATEC Web Conf., 389 (2024) 00050. 11th International Symposium on Occupational Health and Safety (SESAM 2023) DOI: <https://doi.org/10.1051/mateconf/202438900050>
MATEC Web of Conferences
5. Alina Trifu, Doru Costin Darabont, Iulian Ivan, Vicentiu Ciocirlea, Daniel Badea. Realization of Occupational Health and Safety Training Modules and Topics for Musculoskeletal Disorders and Psychosocial Risks in the IT Sector. International Journal of Advanced Multidisciplinary Research and Studies, Volume 4, Issue 6, 2024. <https://doi.org/10.62225/2583049X.2024.4.6.3498>
Indexing | International Journal of Advanced Multidisciplinary Research and Studies
6. Trifu, A., Chivu, O., Badea, D. O., Borda, C., Nitoi, D., Luchian, C., & Enache, I. C. (2023). Emissions of noxes in the case of welding in shielding gases: a systematic literature review. *Journal of Research & Innovation for Sustainable Society (JRISS)*, Volume 5, Issue 1, 2023. ISSN: 2668-0416. Thoth Publishing House. DOI: [10.33727/JRISS.2023.1.1:5-12](https://doi.org/10.33727/JRISS.2023.1.1:5-12). Available at: <https://jriss.4ader.ro/wp->

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content/uploads/2024/02/01_Art-en.pdf; No. 01 from 2023 - JRISS ; <https://jriss.4ader.ro/no-01-from-2023/>

Indexing - JRISS

7. **Badea, D. O.**, Trifu, A., Darabont, D. C., & Țărnău, B. (2022). Effectiveness of personal protective equipment in working with pesticides - A systematic review. 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. Article Number 00003. MATEC Web of Conferences (Vol. 373). EDP Sciences. Publicat online: 20 December 2022. DOI: <https://doi.org/10.1051/mateconf/202237300003>

MATEC Web of Conferences

8. Trifu, A., **Badea, D. O.**, Darabont, D. C., Foggorasy, P. & Ivan, I. (2022). Disability-sensitive occupational risk assessment. 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. Article Number 00002. MATEC Web of Conferences (Vol. 373). EDP Sciences. 6p. Publicat online: 20 December 2022. DOI: <https://doi.org/10.1051/mateconf/202237300002>

MATEC Web of Conferences

9. Trifu, A., Smîdu, E., **Badea, D. O.**, Bulboacă E., & Haralambie, V. Applying the PRISMA method for obtaining systematic reviews of occupational safety issues in literature search. 10th International Symposium on Occupational Health and Safety (SESAM 2021). 2022. Article Number 00008. MATEC Web of Conferences (Vol. 354). EDP Sciences. 8p. <https://doi.org/10.1051/mateconf/202235400052>
10. **Badea, D. O.**, Darabont, D. C., Bucerzan, D., Trifu, A., Smîdu, E., Bulboacă E., & Haralambie, V. Occupational safety issues related to computer equipment installation, maintenance and use. 10th International Symposium on Occupational Health and Safety (SESAM 2021). Article Number 00001. MATEC Web of Conferences (Vol. 354). EDP Sciences. 7p. Publicat online: 06 January 2022. <https://doi.org/10.1051/mateconf/202237300002>

MATEC Web of Conferences

11. Darabont, D. C., Trifu, A., **Badea, D.** & Țărnău, B. Analysis of the field of specific knowledge of occupational risks related to handling toxic substances. 9th edition of the International Multidisciplinary Symposium "UNIVERSITARIA SIMPRO 2021": Quality and Innovation in Education, Research and Industry - the Success Triangle for a Sustainable Economic, Social and Environmental Development". 2021. Article Number 01020. MATEC Web of Conferences (Vol. 342). EDP Sciences. 6p. <https://doi.org/10.1051/mateconf/202134201020>

MATEC Web of Conferences

12. Darabont, D. C., **Badea, D. O.**, Trifu, A. & Foggorasy, P. The impact of new assistive technologies on specific occupational risks for blind and visual impaired peoples. 9th International Symposium on Occupational Health and Safety (SESAM 2019). 2020. Article Number 00079. MATEC Web of Conferences (Vol. 305). EDP Sciences. 7p. DOI: <https://doi.org/10.1051/mateconf/202030500079>

MATEC Web of Conferences

13. Darabont, D. C., **Badea, D. O.**, & Trifu, A. Comparison of four major industrial disasters from the perspective of human error factor. 9th International Symposium on Occupational Health and Safety (SESAM 2019). Article Number 00017. MATEC Web of Conferences (Vol. 305). EDP Sciences. 7p. Publicat online: 17 January 2020. DOI: <https://doi.org/10.1051/mateconf/202030500017>

MATEC Web of Conferences

14. Haralambie, V., Bulboacă, E., Chivu, O. R., Fatu (Trifu), A.; **Badea, D.** The working environment involves US ALL. Fiability & Durability / Fiabilitate si Durabilitate. 2020, Issue 2, p107-114. 8p. Available at: https://www.utgjiu.ro/rev_mec/mecanica/pdf/2020-

02/16_Vergilic%C4%83%20HARALAMBIE,%20Eugenia%20BULBOAC%C4%82,%20Oana%20Roxana%20CHIVU,%20Alina%20FATU,%20Daniel%20BADEA%20-%20THE%20WORKING%20ENVIRONMENT%20INVOLVES%20US%20ALL.pdf ;

Revista de mecanică | Universitatea "Constantin Brâncuși" din Târgu-Jiu

IV. Lista brevetelor de invenție și a altor titluri de proprietate industrial naționale

1. Brevet de invenție nr. 120933 B1. Voicu Victor; Stoenescu Vasile; **Badea Onu Daniel**. Instalație pentru captarea noxelor, la sudarea electrică în CO₂ sau jet de plasmă. Publicare RO120933 (B1)
https://ro.espacenet.com/publicationDetails/biblio?II=2&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20060929&CC=RO&NR=120933B1&KC=B1
2. Brevet de invenție nr. 121097 B1. Voicu Victor; Stoenescu Vasile; **Badea Onuț Daniel**. Dispozitiv reglabil pentru combaterea noxelor. Publicare RO121097 (B1)
https://ro.espacenet.com/publicationDetails/biblio?II=3&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20061229&CC=RO&NR=121097B1&KC=B1
3. Brevet de invenție nr. 118383 B1. Voicu Victor; **Badea Daniel Onuț**. Instalație pentru captarea noxelor și reținerea vaporilor de acid clorhidric și a pulberilor de plumb. Publicare RO118383 (B1)
https://ro.espacenet.com/publicationDetails/biblio?II=4&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20030530&CC=RO&NR=118383B1&KC=B1

V. Proiecte de cercetare-dezvoltare-inovare pe bază de contract/grant și contracte cu mediul socio-economic

1. Granturi / proiecte câștigate prin competiție națională

Nr. crt.	Titlul proiectului	Program / sursa finanțării	Număr contract	Valoare (lei)	Valoare (euro)	Calitatea
1.	Cercetări privind îmbunătățirea managementului riscurilor, prin identificarea, evaluare gestionarea riscurilor ocupaționale pentru persoanele cu dizabilități. Contract subsidiar de cercetare industrială și/sau dezvoltare experimentală în colaborare efectivă între organizația de cercetare și întreprindere	Programul Operațional Competitivitate (POC)	6/03.02.2022	1.331.543,75	269.232,62	Responsabil proiect
2.	Cercetări privind dezvoltarea unor proceduri de evaluare a riscurilor ocupaționale la care sunt expuse persoanele cu dizabilități de vedere angajate în activități productive. Contract subsidiar de cercetare industrială și/sau dezvoltare experimentală în colaborare efectivă între organizația de cercetare și întreprindere	Programul Operațional Competitivitate (POC)	1/08.02.2019	867.138	182.766,99	Membru în echipă

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Nr. crt.	Titlul proiectului	Program / sursa finanțării	Număr contract	Valoare (lei)	Valoare (euro)	Calitatea
3.	Cercetări pentru dezvoltarea procedurilor specifice de gestionare a riscurilor ocupaționale la instalarea, întreținerea și utilizarea echipamentelor informatice și de telecomunicații. Contract subsidiar de cercetare industrială și/sau dezvoltare experimentală în colaborare efectivă între organizația de cercetare și întreprindere	Programul Operațional Competitivitate (POC)	4/17.02.2020	420.363	88.037,82	Membru în echipă
4.	Cercetări pentru gestionarea riscurilor prin dezvoltarea unor proceduri specifice pentru identificarea și mitigarea riscurilor legate de manipularea substanțelor toxice. Contract subsidiar de cercetare industrială și/sau dezvoltare experimentală în colaborare efectivă între organizația de cercetare și întreprindere	Programul Operațional Competitivitate (POC)	5/08.03.2021	644.000	131.864,53	Membru în echipă
5.	Securitatea și sănătatea în muncă, o premisă pentru competitivitate	Proiect cofinanțat din Fondurile Structurale Europene în cadrul Programului Operațional Dezvoltarea Resurselor Umane	ID 1558391	13.456.234	3.186.114,03	Membru în echipă / Coordonator activitate

NOTĂ: Valoarea menționată este exprimată în lei, fără TVA. S-a luat în considerare cursul de schimb oficial la data contractării

2. Contracte cu mediul socio-economic (minim 25.000 lei) naționale

Nr. crt.	Nr. crt. din adeverință	Titlul contractului / studiului	Beneficiar	Număr contract	Valoare (lei)	Valoare (euro)	Calitatea
1.	15	Proiectarea unor instalații de ventilare pentru captarea și reținerea noxelor din secția Finisaj	Mobimixt Pașcani	36/7.05.2001	32.917	13.371,46	Responsabil contract
2.	16	Studiu și elaborarea proiectelor de execuție ale instalațiilor de ventilare pentru captarea și reținerea pulberilor din secția condiționare	BETA Tândărei	50/11.06.2001	38.758	15.471,02	Responsabil contract

3.	20	Studiul și proiectarea unei camere de sablat piese turnate cu nisip de cuarț, prevăzută cu instalații de ventilare pentru captarea și reținerea pulberilor de siliciu Instalație de captare și reținere a noxelor la șlefuirea cu benzi abrazive a paleților și proiectarea unei instalații pentru introducerea aerului de compensare care în anotimpul rece va fi încălzit	S.C. General Turbo Bucuresti	118/25.11.2002	145.912	43.682,30	Responsabil contract
4.	21	Studiul și proiectarea unei instalații pentru captarea și epurarea gazelor de la mașinile de turnat cuzineți Studiul și proiectarea unor instalații pentru captarea și reținerea noxelor de la arderea bobinajului la motoarele electrice, precum și la cuptoarele de uscat ()	S.C. General Turbo Service S.A	119/25.11.2002	59.698	17.872,05	Responsabil contract
5.	22	Studiul, elaborarea proiectului de execuție și asistență tehnică la realizarea fizică a instalației de captare și reținere a noxelor degajate la elaborarea oțelului în cuptorul electric cu arc (8 t) din Turnătoră Mixtă (oțel-fontă)	S.C. Upetrom - 1 Mai S.A	5788/8.11.2000	45.998	21.497,41	Responsabil contract
6.	23	Îmbunătățirea condițiilor de muncă prin sisteme de ventilare pentru a corespunde normelor de protecția muncii la 2 cuptoare electrice cu arc (capacitate 5 t) din Turnătoră de Oțel	S.C. Upetrom - 1 Mai S.A	94/05.11.2001	61.244	21.962,27	Responsabil contract
7.	24	Studiul și proiectarea unor instalații de captare și reținere a pulberilor din Secția Concasare, de la rampa de expedite și silozurile de materie prima	S.C. Sinter-Ref S.A. Azuga	18/02.03.2004	89.007	22.339,43	Responsabil contract
8.	26	Proiectarea, executia, montarea, reglarea si punerea in functiune a unei instalații de ventilare pentru captarea și reținerea noxelor de la taierea maselotelor de turnare	Kvaerner - IMGB București	56/04.06.2004	202.121,90	49.581	Responsabil contract

din Atelierul Curățătorie							
9.	27	Studiu, elaborarea soluțiilor tehnice generale privind reducerea noxelor degajate în sectorul Șarja Veche (dezechipare cuptoare) și Sector Reacție Cuptoare și Răcire Naturală	S.C. Casirom S.A. Turda	119/11.10.2004	64.894	15.829,74	Responsabil contract
10.	28	Studiu și proiectarea unor instalații de ventilare pentru captarea și reținerea noxelor degajate în secția Acoperiri Metalice și Stația de neutralizare pentru a corespunde normelor de protecția muncii și a protecției mediului înconjurător	S.C. Upetrom - 1 Mai S.A	156/19.11.2004	105.170,36	26.520	Responsabil contract
11.	29	Elaborarea proiectului de execuție pentru captarea și reținerea noxelor din Hala Șarja Veche	S.C. Casirom S.A. Turda	191/14.10.2005	115.544,98	31.983	Responsabil contract
12.	30	Proiectarea, execuția, montarea, reglarea și punerea în funcțiune la parametrii proiectați a unei camere de sablare a pieselor mari cu alic, prevăzută cu 2 (doua) posturi de lucru având următoarele dimensiuni: L=15m; H=5m; l=5,5m	Upetrom - 1 Mai Ploiești	109/12.10.2006	50.000	14.247,86	Responsabil contract
13.	31	Studiul și elaborarea proiectului de execuție a instalației de ventilare pentru captarea și reținerea noxelor de la dezbaterile pieselor turnate din cadrul Turnătoriei	Upetrom 1 Mai Ploiești	119/19.11.2006	102.221	29.282,13	Responsabil contract
14.	32	Studiul și elaborarea proiectului de execuție pentru captarea și reținerea noxelor degajate la instalația Dezbatere II a pieselor turnate din cadrul Turnătoriei	Upetrom 1 Mai Ploiești	50/17.04.2007	46.000	13.766,68	Responsabil contract
15.	33	Studiul și proiectarea unei instalații de ventilare pentru captarea și reținerea noxelor de la cuptorul cu inducție de 6,3 t - Turnătorie de Oțel -	Upetrom Ploiești	24/20.02.2007	71.900	21.223,84	Responsabil contract
16.	36	Determinarea factorilor de risc în relație cu procesele de muncă specifice din Hidroelectrică S.A. în	S.C. Hidroelectrică S.A	16/29.01.2010	242.000	58.709,36	Responsabil contract

urma rezultatelor
furnizate de
supravegherea stării de
sănătate a lucrătorilor -
propuneri de masuri de
adaptare și corelare a
sarcinii de munca în
raport cu vârsta și
factorii ce conduc la
uzura stării de sănătate

NOTĂ: Valoarea menționată este exprimată în lei, fără TVA. S-a luat în considerare cursul de schimb oficial la data contractării

VI. Alte lucrări - Recunoașterea și impactul activității științifice

VI.1 Citări în articole indexate Web of Science

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Articol citat: Trifu, A., Badea, D. O., Darabont, D. C., Foggorasy, P. & Ivan, I. (2022). Disability-sensitive occupational risk assessment. 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. Article Number 00002. MATEC Web of Conferences (Vol. 373). EDP Sciences. 6p. Publicat online: 20 December 2022. DOI:<https://doi.org/10.1051/mateconf/202237300002>

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Articol citat: Badea, D. O., Trifu, A., Darabont, D. C., & Țărnău, B. (2022). Effectiveness of personal protective equipment in working with pesticides - A systematic review. 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. Article Number 00003. MATEC Web of Conferences (Vol. 373). EDP Sciences. Publicat online: 20 December 2022. DOI: <https://doi.org/10.1051/mateconf/202237300003>

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VI.4 Organizare de manifestare științifică națională și activitate de reviewer pentru reviste științifice (peer review)

- a) Organizare de manifestare științifică națională
 1. Organizator manifestare științifică: Evenimentul tehnologic Tendințe în concepția și dezvoltarea sistemelor IT bazate pe cunoaștere pentru evaluarea și prevenirea riscurilor", desfășurat în data de 20 aprilie 2023, București, Organizator INCDPM "Alexandru Darabont". Comunicat publicat în Ziarul Romania Liberă nr. 9360, Joi 27 aprilie 2023 și pe site-ul proiectului proc.inpm.ro/presa, în 25 aprilie 2023.

b) Peer review

1. Hygiene

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2673-947X

Web of Science Core Collection: Emerging Sources Citation Index

2. Sustainability

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2071-1050

Web of Science Core Collection: Science Citation Index Expanded | Social Sciences Citation Index

3. Virtual Worlds

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2813-2084

Web of Science Core Collection: Emerging Sources Citation Index

4. Buildings

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2075-5309

Web of Science Core Collection: Science Citation Index Expanded

5. Epidemiologia

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2673-3986

Web of Science Core Collection: Emerging Sources Citation Index

6. Agriculture

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2077-0472

Web of Science Core Collection: Science Citation Index Expanded

7. Healthcare

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2227-9032

Web of Science Core Collection: Science Citation Index Expanded | Social Sciences Citation Index

8. Toxics

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2305-6304

Web of Science Core Collection: Science Citation Index Expanded

9. Social Sciences

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2076-0760

Web of Science Core Collection: Emerging Sources Citation Index

10. Behavioral Sciences

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2076-328X

Web of Science Core Collection: Social Sciences Citation Index

11. Nursing Reports

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2039-439X / 2039-4403

Web of Science Core Collection: Emerging Sources Citation Index

12. Applied Sciences

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2076-3417

Web of Science Core Collection: Science Citation Index Expanded

13. Fire

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2571-6255

Web of Science Core Collection: Science Citation Index Expanded

14. Processes

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2227-9717

Web of Science Core Collection: Science Citation Index Expanded

15. Administrative Sciences

Publisher: MDPI , MDPI AG, Grosspeteranlage 5, BASEL, Switzerland, CH-4052

ISSN / eISSN: 2076-3387

Web of Science Core Collection: Emerging Sources Citation Index

16. BMC Public Health

Publisher: BMC , CAMPUS, 4 CRINAN ST, LONDON, ENGLAND, N1 9XW

ISSN / eISSN: 1471-2458

Web of Science Core Collection: Science Citation Index Expanded

17. Scientific Reports

Publisher: NATURE PORTFOLIO , HEIDELBERGER PLATZ 3, BERLIN, Germany, 14197

ISSN / eISSN: 2045-2322

Web of Science Core Collection: Science Citation Index Expanded

18. Discover Public Health

Publisher: BMC , CAMPUS, 4 CRINAN ST, LONDON, ENGLAND, N1 9XW

ISSN / eISSN: 3005-0774

Web of Science Core Collection: Emerging Sources Citation Index

19. Discover Applied Sciences

Publisher: SPRINGER , ONE NEW YORK PLAZA, SUITE 4600 , NEW YORK, United States, NY, 10004

ISSN / eISSN: 3004-9261

- 15
- Web of Science Core Collection: Emerging Sources Citation Index
20. Journal of Industrial Textiles
 Publisher: SAGE PUBLICATIONS INC , 2455 TELLER RD, THOUSAND OAKS, USA, CA, 91320
 ISSN / eISSN: 1528-0837 / 1530-8057
 Web of Science Core Collection: Science Citation Index Expanded
 21. Cogent Business & Management
 Publisher: TAYLOR & FRANCIS LTD , 2-4 PARK SQUARE, MILTON PARK, ABINGDON, England, OXON, OX14 4RN
 ISSN / eISSN: 2331-1975
 Web of Science Core Collection: Emerging Sources Citation Index
 22. Sound and Vibration
 Publisher: ACAD PUBL PTE LTD - SINGAPORE, 73 Upper Paya Lebar Road #07-02B-01 Centro Bianco, Singapore, Singapore, 534818
 ISSN / eISSN: 1541-0161
 Web of Science Core Collection: Emerging Sources Citation Index
 23. ADVANCES IN CIVIL AND ARCHITECTURAL ENGINEERING
 Publisher: JOSIP JURAJ STROSSMAYER UNIV OSIJEK, FAC CIVIL ENGN & ARCHITECTURE OSIJEK, Vladimira Preloga 3, Osijek, Croatia, 31000
 ISSN / eISSN: 2975-3848
 Web of Science Core Collection: Emerging Sources Citation Index
 24. International Journal of Environmental Research and Public Health
 Years currently covered by Scopus: from 2004 to 2026
 Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
 ISSN:1661-7827E-ISSN:1660-4601
 25. Occupational Health
 Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
 ISSN: 3042-8637
 J-Gate
 26. Textile & Leather Review
 Publisher - idd3, Croatia
 ISSN 2623-6281
 Covered by Crossref
 27. Discover Hazards
 Springer Nature (United Kingdom), London, United Kingdom

5. Diplome și premii internaționale și naționale

1. Diplomă și Medalie de aur, Salonul internațional de invenții Eureka - Bruxelles, 2002, Instalație pentru captarea locală și reținerea aerosolilor de plumb și a vaporilor de acid clorhidric la fabricarea radiatoarelor pentru autovehicule, Voicu Victor, **Badea Daniel**

- 16
2. Diplomă și Medalie de aur, Salonul de invenții ARHIMED - Moscova, 2005, Dispozitiv reglabil pentru captarea noxelor, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 3. Diplomă și Medalie de aur, Salon invenții - Sevastopol, 2005, Dispozitiv reglabil pentru captarea noxelor, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 4. Diplomă și Medalie de argint, Salonul internațional de invenții Eureka - Bruxelles, 2006, Instalație pentru captarea noxelor la sudarea electrica in CO2 si jet de plasma, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 5. Diplomă și Medalie de argint, Salonul international de invenții GENEVA, 2007, Dispozitiv reglabil pentru captarea noxelor, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 6. Diplomă și Medalie de bronz, Salonul international de invenții GENEVA, 2009, Instalație pentru captarea și reținerea noxelor la sudarea electrică in spații închise, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 7. Diplomă și Medalie de argint, Salonul international de invenții GENEVA, 2007, Instalație pentru captarea noxelor la sudarea electrica in CO2 si jet de plasma, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 8. Diplomă și Medalie de bronz, Euroinvent 14 Edition European Exhibition of Creativity and Innovation, Iași, 2022, Partnership for knowledge transfer and research on assessment and prevention of occupational risk that can lead disasters (PROC) - Research on the development of procedures for assessment of occupational risk to which are exposed visually impaired persons engaged in productive activities, Doru Costin Darabont, Trifu Alina, **Badea Daniel Onuț**, Antonov Anca Elena
 9. Diplomă de excelență, Salonul Inventika, București 2006, Voicu Victor, **Badea Daniel**
 10. Diplomă și Medalie de aur, Salonul internațional al invențiilor, cercetării științifice si transferului tehnologic Iași - INVENTICA, 2006, Instalatie pentru combaterea poluantilor la taierea cu gaze a maselotelor mari, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 11. Diplomă și Medalie de argint, Salonul internațional de invenții si tehnologii noi București - INVENTIKA, 2006, București, Instalație pentru captarea noxelor la sudarea electrica in CO2 si jet de plasma, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 12. Diplomă și Medalie de aur, Salonul International "ECOINVENT 2005", Iași, 2005, Instalație pentru captarea noxelor la sudarea electrica in CO2 si jet de plasma, Voicu Victor, Stoenescu Vasile, **Badea Daniel**
 13. Diplomă și Medalie de argint, Salonul International "ECOINVENT 2005", Iași, 2005, Dispozitiv reglabil pentru captarea noxelor, Voicu Victor, Stoenescu Vasile, **Badea Daniel**

14. Diplomă și Medalie de aur, Salonul Internațional al Invențiilor, Cercetării și Transferului Tehnologic „Inventica 2004”, Iași, 2004, Dispozitiv reglabil pentru captarea noxelor, Voicu Victor, Stoenescu Vasile, Badea Daniel

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Semnătura

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