

DICU TIBERIUS - LISTA DE LUCRĂRI

A. Lista celor maximum 10 lucrări relevante pentru realizările profesionale proprii

1. **Dicu T.**, Virag P., Brie I., Perde-Schrepler M. et al. (2022). *A comparative study of genotoxicity endpoints for women exposed to different levels of indoor radon concentrations*, International Journal of Radiation Biology 98(1), 18 – 29.
2. **Dicu T.**, Burghele B., Botoș M., Cucuș A., et al. (2021). *A new approach to radon temporal correction factor based on active environmental monitoring devices*, Scientific Reports 11(1), 10.1038/s41598-021-88904-2.
3. Burghele B., Botoș M., Beldean-Galea S., Cucuș A., Catalina T., **Dicu T.**, et al. (2021). *Comprehensive survey on radon mitigation and indoor air quality in energy efficient buildings from Romania*, Science of the Total Environment 751, 10.1016/j.scitotenv.2020.141858.
4. Beldean-Galea S., **Dicu T.**, Cucuș A., et al. (2020). *Evaluation of indoor air pollutants in 100 retrofit residential buildings from Romania during cold season*, Journal of Cleaner Production 277, 10.1016/j.jclepro.2020.124098.
5. Florică Ș., Burghele B., Brișan N., Begy R., Codrea V., Cucuș A., Catalina T., **Dicu T.**, et al. (2020). *The path from geology to indoor radon*, Environmental Geochemistry And Health 42(9), 2655 – 2665.
6. **Dicu T.**, B D Burghele A Cucuș R Mishra B K Sapra (2018). *Assessment of annual effective dose from exposure to natural radioactivity sources in a case-control study in Bihor County, Romania*, Radiation Protection Dosimetry, 30, 185(1), 7-16.
7. Tuyagi A., **Dicu T.**, Cucuș A., Burghele B., et al. (2020). *An innovative system for monitoring radon and indoor air quality*, Romanian Journal of Physics 65(1-2), 803.
8. **Dicu T.**, Burghele B., Lupulescu D., Cucuș A., (2018) *The challenge in using the retrospective assessment of residential radon concentration*, Radiation Protection Dosimetry 181, 20 – 25
9. Dicu D., Pop F., Ionescu D., & **Dicu T.** (2013). *Comparison of risk scoring systems in predicting clinical outcome at upper gastrointestinal bleeding patients in an Emergency Unit*, American Journal of Emergency Medicine 31(1), 94-99.
10. Cucuș (Dinu) A., Cosma C., **Dicu T.**, Begy R., Moldovan M., Papp B., Niță D., Burghele B., & Sainz C. (2012). *Thorough investigations on indoor radon in Băița radon-prone area (Romania)*, Science of Total Environment, 431, 78 -83.

B. Teza de doctorat

Doctor în Fizică (GENOTOXICITATEA RADIAȚIILOR γ ȘI ACȚIUNEA RADIOPROTECTOARE A UNOR COMPUȘI NATURALI); Domeniul de cercetare: Fizică nucleară; Radioprotecție; Genotoxicitate. Organizația: Universitatea “Babeș-Bolyai”, Facultatea de Știința Mediului, Cluj-Napoca.

C. Brevete de invenție

1. Postescu ID, Filip A, **Dicu T.**, et al. *Gel fotochemoprotector și procedeu de obținere*. BREVET NR. 127720/2012
2. Postescu ID, Filip A, **Dicu T.**, et al. *Cremă fotochemoprotectoare și procedeu de obținere*. BREVET NR. 127719/2012
3. Tunyagi A., Cucuș A., Dicu T., Botoș M., Chiorean C. *Sistem inteligent și metodă de determinare și control al concentrației de radon din interiorul clădirilor civile*, BREVET DE INVENȚIE NR. 134001, 29.07.2022

D. Cărți

1. Cosma C., **Dicu T.**, Begy R., & Dinu A. (2009). *Radonul și cancerul pulmonar*, Ed. Quantum, 169 pag., ISBN: 978-973-88835-2-9

E. Articole/studii, publicate în fluxul științific internațional principal

1. Mareș I., Catalina T., Istrate A., Cucuș A., **Dicu T.** et al. (2021) *Research on Best Solution for Improving Indoor Air Quality and Reducing Energy Consumption in a High-Risk Radon Dwelling from Romania*, International Journal of Environmental Research and Public Health 18(23), 10.3390/ijerph182312482
2. **Dicu T.**, Virag P., Brie I., Perde-Schrepler M. et al. (2022) *A comparative study of genotoxicity endpoints for women exposed to different levels of indoor radon concentrations*, International Journal of Radiation Biology 98(1), 18 – 29
3. Cucuș A., Moldovan M., Burghel B., **Dicu T.**, Moldovan O. (2021) *Radiological Risk Assessment for Karstic Springs Used as Drinking Water in Rural Romania*, Atmosphere 12(9), 10.3390/atmos12091207
4. **Dicu T.**, Burghel B., Botoș M., Cucuș A., et al. (2021) *A new approach to radon temporal correction factor based on active environmental monitoring devices*, Scientific Reports 11(1), 10.1038/s41598-021-88904-2
5. Burghel B., Botoș M., Beldean-Galea S., Cucuș A., Catalina T., **Dicu T.**, et al. (2021) *Comprehensive survey on radon mitigation and indoor air quality in energy efficient buildings from Romania*, Science of the Total Environment 751, 10.1016/j.scitotenv.2020.141858

6. Beldean-Galea S., **Dicu T.**, Cucuș A., et al. (2020) *Evaluation of indoor air pollutants in 100 retrofit residential buildings from Romania during cold season*, Journal of Cleaner Production 277, 10.1016/j.jclepro.2020.124098
7. Sferle T., Dobrei G., **Dicu T.**, Burghele B., Brișan N., et al. (2020) *Variation of indoor radon concentration within a residential complex*, Radiation Protection Dosimetry 189(3), 279 – 285
8. Florică Ș., Burghele B., Brișan N., Begy R., Codrea V., Cucuș A., Catalina T., **Dicu T.**, et al. (2020) *The path from geology to indoor radon*, Environmental Geochemistry And Health 42(9), 2655 – 2665
9. Celaya S., Encian I., Fuente I., Rabago D., Moldovan M., **Dicu T.**, et al. (2020) *Methodological approaches to radon in water measurements: comparative experiences between Romania and Spain*, Romanian Journal of Physics 65(1-2), 804
10. Tuyagi A., **Dicu T.**, Cucuș A., Burghele B., et al. (2020) *An innovative system for monitoring radon and indoor air quality*, Romanian Journal of Physics 65(1-2), 803
11. **Dicu T.**, B D Burghele A Cucuș R Mishra B K Sapra (2018) *Assessment of annual effective dose from exposure to natural radioactivity sources in a case–control study in Bihor County, Romania*, Radiation Protection Dosimetry 30, 185(1), 7-16
12. Burghele B., Țenter A., Cucuș A., **Dicu T.**, Moldovan M., Papp B., et al. (2019) *The FIRST large-scale mapping of radon concentration in soil gas and water in Romania*, Science of the Total Environment 669, 887 - 892
13. Catalina T., Istrate M., Damian A., Vartires A., **Dicu T.**, Cucuș A., (2019) *Indoor air quality assessment in a classroom using a heat recovery ventilation unit*, Romanian Journal of Physics 64 (9-10), 819
14. **Dicu T.**, Burghele B., Lupulescu D., Cucuș A., (2018) *The challenge in using the retrospective assessment of residential radon concentration*, Radiation Protection Dosimetry 181, 20 – 25
15. Burghele B., Cucuș A., Papp B., Dicu T., Pressyanov D., Dimitrov D., Dimitrova I., Constantin S., (2017) *Comparative study of radon and thoron measurements in four romanian show caves*, Radiation Protection Dosimetry 177 (1-2), 181 – 185
16. Dolha M., Timar-Gabor A., **Dicu T.**, Cosma C. (2017) *Measurements of terrestrial gamma dose rates and radon concentrations from indoor air and water in Transylvania region*, Romanian Reports in Physics 69, 1 – 6
17. Cucuș A., Papp B., **Dicu T.**, Moldovan M., Burghele B., Moraru I., Tențer A., Cosma C., (2016) *Residential, soil and water surveys in north-western part of Romania*, Journal of Environmental Radioactivity 166, 412 – 416
18. Istrate M-A., Catalina T., Cucuș A., **Dicu T.** (2016). *Experimental measurements of VOC and Radon in two Romanian classrooms*, Energy Procedia 85, 288 – 294

19. Cucuș Dinu A., **Dicu T.**, Cosma C. (2015). *Indoor radon exposure in energy-efficient houses from Romania*, Romanian Journal of Physics 60 (9-10), 1574 – 1580
20. Lazăr A. L., Baciuc C., Roba C., Rogozan C., **Dicu T.**, et al. (2014). *Impact of the past mining activity in Roșia Montană (Romania) on soil and vegetation*. Environmental Earth Sciences 72 (11), 4653- 4666
21. Dolha M., Gabor-Timar A., **Dicu T.**, Begy R., Anton M., Cosma C. (2014). *A high-resolution map of gamma dose rates in Cluj county, Romania using LiF:Mg,Cu,P detectors*, Radiation Protection Dosimetry 162 (1-2), 14 – 19
22. Moldovan M., Niță D., Cucuș (Dinu) A., **Dicu T.**, Brișan N., Cosma C. (2014). *Radon concentration in drinking water and supplementary exposure in Băița-Ștei mining area, Bihor County (Romania)*. Radiation Protection Dosimetry 158(4), 447-452
23. **Dicu T.**, Armencea E., Burghel B. Cosma C. (2014). *Retrospective dosimetry of radon gas based on the activity of ^{210}Po in glass objects*, Romanian Journal of Physics 59 (9-10), 1067-1073
24. Muntean L. E., Cosma C., Cucuș A., **Dicu T.**, Moldovan D. V. (2014). *Assessment of Annual and seasonal variation of indoor radon levels in dwelling houses from Alba County, Romania*. Romanian Journal of Physics 59(1-2), 163 – 171
25. Cosma C., Cucuș A., Papp B., Begy R., **Dicu T.**, Moldovan M., Truță A., Niță D., Burghel B., Suciuc L. & Sainz C. (2013). *Radon and remediation measures near Băița-Ștei old uranium mine (Romania)*. Acta Geophysica 61(4), 859-875
26. Cosma C., Cucuș D., & **Dicu T.** (2013). *Preliminary results regarding the first map of residential radon in some regions in Romania*. Radiation Protection Dosimetry 155(3), 343-350
27. Todea D., Cosma C., **Dicu T.**, Roșca L., Cucuș (Dinu) A., Rîșteiu M., Iancu D., Papuc I., Rădulescu D. (2013). *Lung cancer risk induced by residential radon in Cluj and Alba Counties, Romania*. Environmental Engineering and Management Journal 12(6), 1281-1285
28. Cosma C., Cucuș A., Papp B., Begy R., **Dicu T.**, Moldovan M., Niță D., Burghel B., Fulea D., Cîndea C., Dumitru O., Maloș C., Suciuc L. & Sainz C. (2013). *Radon measurements and radon remediation in Băița-Ștei uranium mine area*. Carpathian Journal of Earth and Environmental Sciences 8(2), 191-199
29. Papp B., Cucuș A., Moldovan M., Begy R., **Dicu T.**, Niță D., Sainz C. & Cosma C. (2013). *International intercomparison exercise on natural radiation measurements under field conditions (IFC11)*. Romanian Journal of Physics 58, S210-S220
30. Armencea E., Armencea A., Burghel B., Cucuș A., Maloș C. & **Dicu T.** (2013). *Indoor radon measurements in Bacău County*. Romanian Journal of Physics 58, S189-S195

31. Dicu D., Pop F., Ionescu D., & **Dicu T.** (2013). *Comparison of risk scoring systems in predicting clinical outcome at upper gastrointestinal bleeding patients in an Emergency Unit.* American Journal of Emergency Medicine 31(1), 94-99
32. Cucos (Dinu), A., Cosma, C., **Dicu, T.**, Begy, R., Moldovan, M., Papp, B., Niță, D., Burghel, B., & Sainz, C. (2012). *Thorough investigations on indoor radon in Băița radon-prone area (Romania).* Science of Total Environment 431, 78 – 83
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39. Cosma C., Szacsvai K., Dinu A., Ciorbă D., **Dicu T.**, Suci L., 2009, *Preliminary integrated indoor radon measurements in Transylvania (Romania),* Isotopes in Environmental and Health Studies 45, 259-268
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41. **Dicu T.**, Brie I., Virag P., Fischer E., Perde M., Foriș V., Cernea V., Cosma C., 2008, *Genotoxic effects of ⁶⁰Co γ-rays on Chinese Hamster Ovary (CHO) cells,* Nukleonika 53, 161-165