

# LISTĂ LUCRĂRI ȘTIINȚIFICE

## Dr. Fiz. Elena Daniela CHELĂRESCU

### A. Lucrări publicate în reviste cotate ISI

Conform <http://uefiscdi.gov.ro/Scientometria/Thomson> Reuters-  
ISI/reviste românești cotate ISI (14.06.2016).

*FI*- Factor de impact; *SRI*-Scor relativ de influență; *AIS*- Scor absolut de influență.

**$AIS/n_i^{ef}$**  - Scor absolut de influență per număr efectiv de autori. ( $n_i^{ef} = n_i$ , dacă  $n_i$  mai mic sau egal cu 5

$n_i^{ef} = (n_i + 10)/3$ , dacă  $n_i$  mai mare decât 5  
unde,  $n_i$  - număr de autori ai publicației).

1. Cristiana Radulescu, Claudia Stihi, Ion V. Popescu, Ionica Ionita, Ioana Daniela Dulama, Andrei Chilian, Oana Roxana Bancuta, **Elena Daniela Chelarescu**, Dorin Let; *Assessment of heavy metals level in some perennial medicinal plants by flame Atomic Absorption Spectrometry*; **Romanian Report in Physics**, vol. 65, nr.1, p.246 – 260, 2013. *FI=1.137, SRI=0.331, AIS=0.133,*  
 **$AIS/n_i^{ef} = 0.0222$**
2. Cristiana Radulescu, Claudia Stihi, Lucica Barbes, A.Chilian, **Elena Daniela Chelarescu**; *Studies concerning heavy metals accumulation of Carduus nutans L. and Taraxacum officinale as potential soil bioindicator species*; **Revista de Chimie**, vol. 64, nr.7, pp. 754-760, 2013.  
*FI=0.677, SRI=0.275, AIS=0.056,*  
 **$AIS/n_i^{ef} = 0.0112$**
3. Ioana Daniela Dulama, Cristiana Radulescu, Claudia Stihi, Ion V. Popescu, Ionica Ionita, Ioan Alin Bucurica, **Elena Daniela Chelarescu**, Vasile Ovidiu Nitescu, Raluca Stirbescu; *Characterization of Olt river water quality using analytical methods*; **Romanian Reports in Physics**, Vol.65, nr. 4, p.1519-1527, 2013  
*FI=1.137, SRI=0.331, AIS=0.133,*  
 **$AIS/n_i^{ef} = 0.0210$**
4. Claudia Stihi, Cristiana Radulescu, **Elena Daniela Chelarescu**, Andrei Chilian, Lucica Grigora Toma; *Characterisation of nectar honeys according to their physicochemical parameters and mineral content*; **Revista de Chimie**, 64 (9), p:1000-1003, 2013. *FI=0.677, SRI=0.275, AIS=0.056,*  
 **$AIS/n_i^{ef} = 0.0112$**
5. Tanta Setnescu, Iulian Bancuta, Radu Setnescu, Roxana Bancuta, Andrei Chilian, M. Bumbac, **Elena Daniela Chelarescu**, Otilia Culicov, Marina Frontasieva; *Characterization of some therapeutic muds collected from different sites in Romania*; **Revue Roumaine de Chimie**, vol.58 nr.7-8, p.599-610, 2013  
*FI= 0.393, SRI = 0.275, AIS=0.086,*  
 **$AIS/n_i^{ef} = 0.0136$ ,**
6. L. Barbes, A.Barbulescu, C.Radulescu, C,Stihi, **E.D.Chelarescu**;  
*Determination of heavy metals in leaves and bark of Populus Nigra L by Atomic Absorbtion Spectrometry*; **Romanian Reports in Physics**, Vol. 66, No. 3, P. 877–886, 2014

**FI=1.517, SRI=0.331, AIS= 0.210,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0420,**

7. C. Radulescu, I.D.Dulama, C.Stihi, I.Ionita, A.Chilian, C.Necula, **E.D.Chelarescu**; *Determination of Heavy Metal Levels in Water and Therapeutic Mud by Atomic Absorption Spectrometry*, **Romanian Journal of Physics**, Vol. 59, nr. 9-10, pp. 1057– 1066, 2014.

**FI=0.924, SRI=0.309, AIS=0.165,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0291**

8. C. Radulescu, C. Stihi, I.D. Dulama, **E.D. Chelarescu**, P. Bretcan, D. Tanislav; *Assessment of Heavy Metals Content in Water and Mud of Several Salt Lakes from Romania by Atomic Absorption Spectrometry*, **Romanian Journal of Physics**, Vol. 60, Nr. 1-2, P. 246–256, 2015.

**FI=0.924, SRI=0.309, AIS=0.173,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0324**

9. A. Chilian, R.O. Bancuta, I.Bancuta, R. Setnescu, R.-M. Ion, C. Radulescu, T. Setnescu, C. Stihi, A. Gheboianu, **E. D. Chelarescu**; *Study of the influence of Zn concentration on the absorption and transport of Fe in maize by AAS and EDXRF analysis techniques*

**Romanian Reports in Physics**, vol.67, nr.3, P. 1138–1151, 2015

**FI=1.517, SRI=0.331, AIS=0.184,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0276**

10. C. Radulescu, C. Stihi, I.D. Dulama, **E.D. Chelarescu**, P. Bretcan, D. Tanislav; *Assessment of Heavy Metal Content in Water and sediment of Several Salt Lakes from Romania by Atomic Absorption Spectrometry*, **Romanian Reports in Physics**, Vol. 60, Nr. 1-2, 2015.

**FI=1.517, SRI=0.331, AIS=0.184,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0345**

11. Silviu Jipa, Radu Setnescu, Traian Zaharescu, Tanta Setnescu, Laura Monica Gorghiu, Iulian Bancuta, **Elena Daniela Chelarescu**, *Copper diffusion in cable-insulating materials by chemiluminescence and DSC techniques*, **Journal of Thermal Analysis and Calorimetry**, 2015. ISSN: 1388-6150, DOI 10.1007/s10973-015-4668-z.  
<http://www.researchgate.net/publication/276456375>.

**FI=2.042, SRI=0.485, AIS=0.251,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0443**

12. C.Radulescu, A.Pohoata, P.Bretcan, D.Tanislav, C.Stihi, **E.D.Chelarescu**; *Quantification of major ions in groundwaters using analytical techniques and statistical approaches*, **Romanian Reports in Physics**, 2016, (In press)

**FI=1.517, SRI=0.331, AIS=0.184,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0345**

13. Andreea Antonia Georgescu, Andrei Florin Danet, Cristiana Radulescu, Claudia Stihi, Ioana Daniela Dulama, **Daniela Elena Chelarescu**. *Determination of several elements in edible mushrooms using ICP-MS*. **Romanian Journal of Physics**, vol 61, Number 5-6, 2016.

**FI=0.924, SRI=0.309, AIS=0.173,**  
**AIS/n<sub>i</sub><sup>ef</sup> = 0.0324**

**Lucrări cu autor ptr. corespondență: E.D.Chelărescu**

14. C. Radulescu, C. Stihi, I.V. Popescu, I.D. Dulama, **E.D.Chelarescu**, A. Chilian;  
*Heavy Metal Accumulation and Translocation in different parts of  
Brassica Oleracea L* ; **Romanian Journal of Physics**, vol. 58,nr.9- 10, P. 1337–  
1354, 2013.

**Autori ptr.corespondență:** C.Stihi,I.V.Popescu,**E.D.Chelarescu**  
*FI=0.924, SRI=0.309, AIS=0.125,*  
*AIS/n<sub>i</sub><sup>ef</sup> = 0.125*

15. C.Stihi, **E.D.Chelarescu**, O.G.Duliu, L.G.Toma  
*Characterization of romanian honey using physicochemical parameters and  
the elemental content determined by analytical techniques,*

**Acceptată la Romanian Reports in Physics, nr.1-2, P.362-369, 2016.**

**Autor ptr. corespondență: E.D.Chelarescu** dana\_chelarescu@yahoo.com  
*FI=1.517, SRI=0.331, AIS=0.184,*  
*AIS/n<sub>i</sub><sup>ef</sup> = 0.184*

16. I.D. Dulama, **E.D. Chelarescu**, O.G.Duliu

*Heavy metal contents of Brasica oleracea as bioindicators determined by XRF and  
AAS analytical methods.*

**Romanian Reports in Physics, vol.68, nr. 3, P.1221-1226, 2016.**

**Autor ptr. corespondență: E.D.Chelarescu** dana\_chelarescu@yahoo.com  
*FI=1.517, SRI=0.331, AIS=0.184,*  
*AIS/n<sub>i</sub><sup>ef</sup> = 0.184*

17. **E.D.Chelarescu**, I.D.Dulama, A.I. Gheboianu, I.A.Bucurica, D.Pacesila.

*PIXE analytical method applied in the study of environmental samples used as  
bioindicators. Romanian Journal of Physics, vol.61, nr. 7-8, 2016*

*FI=0.924, SRI=0.309, AIS=0.173,*  
*AIS/n<sub>i</sub><sup>ef</sup> = 0.173*

**18.E.D.Chelarescu**, Cristiana Radulescu, Claudia Stihi, Ioana Daniela Dulama, Cezar  
Morarescu, Radu Andrei. *Analysis of trace elements in lake sediment samples by  
PIXE spectrometry publicata la NIM B in Phys. Res. B. Lucrarea a fost prezentată  
la 12<sup>th</sup> European Conference on Accelerators in Applied Research and Technology  
(ECAART12) , Jyväskylä, Finland , 3 - 8 July 2016*

## **B. Lucrări prezentate la Conferințe Internaționale**

### **Prezentare orală (E.D.Chelarescu)**

1. **E. D. Chelarescu**; *Characterization of Romanian honey using physicochemical parameters and the content of mineral elements determined by analytical techniques* „**Third Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2014, Brasov, June 13th-15th, 2014.**
2. **E. D. Chelarescu**; *Analysis Of Physicochemical Characteristics And Elemental Content Of Romanian Honey Determined By AAS and EDXRF Spectrometry Methods*; **14th International Balkan Workshop on Applied Physics, Constanța, Romania, July 2-4, 2014.**
3. **E. D. Chelarescu** – *Characterization of honey using physicochemical parameters and analytical techniques*; **2nd International Conference on Analytical Chemistry – Analytical Chemistry for a Better Life, RO-ICAC 2014, Targoviste, September, 17 – 21, 2014. [www.icstm.ro/ICAC2014](http://www.icstm.ro/ICAC2014)**

### **Coautor la lucrări prezentate oral**

4. Culicov O.A., Setnescu T., Bancuta I., Setnescu R., Bancuta R., Chilian A., Chelarescu E.D., Frontasyeva M., Bumbac M.; Investigation of some therapeutic muds collected at different sites in Romania: preliminary results. **“XXI International Seminar on Interaction of Neutron with Nuclei” Alushta, Ukraine, May 20 – 25, 2013**
5. **Ene Antoaneta**, Frontasyeva M. V., Popescu I.V., Stih C., Ene Andreea, Drasovan R., **Chelarescu E.D.** *Applications of INAA and X-ray based techniques for trace elements analysis in materials and environmental sciences.* **“XXI International Seminar on Interaction of Neutron with Nuclei”, Alushta, Ukraine, May 20 – 25, 2013**
6. **I.V.Popescu**, C.Stih, C.Radulescu, A.Gheboianu, I.Bancuta, I.Dulama, **E.D.Chelarescu**, *X-ray Fluorescence and Atomic Absorption Spectrometry applied in the study of Heavy Metal Pollution using moss biomonitoring.* **“14th International Balkan Workshop on Applied Physics, Constanța, Romania, July 2-4, 2014; prezentare invitata**

### **Prezentare: Poster**

7. **E.D.Chelarescu**, C. Stih, C. Radulescu, A. Chilian, I. G. Toma; *Sensitive Characterization of Honey Quality Using Highly Analytical Methods*; **13th International Balkan Workshop on Applied Physics, Constanța, Romania, July 4-6, 2013;**
8. Popescu V. I., Frontasyeva M., **Stih C.**, Ene A., Cucu-Man S., Todoran R., Culicov O., Radulescu C., Zinicovscaia I., Chilian A., Gheboianu A., Bancuta R., Cimpoca Gh. V., Bancuta I., Dulama I., Toma L.G., Bucurica A., Dima G., **Chelarescu E.D.**, Drasovean R., Sion A., Condurache-Bota

- S., Buhaceanu R., Tarcau D., Todoran D. ;  
*Moss biomonitoring of air quality in Romania.*; “**XXI International Seminar on Interaction of Neutron with Nuclei**”, Alushta, Ukraine, May 20 – 25, 2013
9. **I.D.Dulama**, C.Stihi, C.Radulescu, I.V.Popescu, I.A. Bucurica, R. Stirbescu, L.G.Toma, E.D.Chelarescu; *Heavy metals distribution in urban soils collected from Targoviste city*; **14th International Balkan Workshop on Applied Physics, Constanța, Romania, July 2-4, 2014**
10. **Elena – Daniela Chelarescu**, Cristiana Radulescu, Claudia Stihi, Ioana Daniela Dulama, Cezar Morarescu, Radu Andrei, Raluca Maria Stirbescu, Sofia Teodorescu; *Analysis of trace elements in lake sediment samples by PIXE spectrometry*; 12<sup>th</sup> European Conference on Accelerators in Applied Research and Technology (ECAART12) , Jyväskylä, Finland , 3 - 8 July 2016
11. **Elena – Daniela Chelarescu**, Cristiana Radulescu, Claudia Stihi, Ioana Daniela Dulama, Alin Bucurica, Doru Pacesila; *Particle Induced X-ray Emission (PIXE) Method Applied To The Analysis of Environmental Samples*; Interfaces Against Pollution Conference 2016 (IAP 2016), Lleida, Spain, 4-7 September 2016.

Dr.fiz. Elena Daniela CHELĂRESCU