

LISTĂ DE LUCRĂRI

Lucrări relevante obținute ulterior conferirii titlului de Doctor în Științe

1. T. Geisler, **K. Popa**, R.J.M. Konings, A.F. Popa, “A Raman spectroscopic study of the phase transition of $\text{BaZr}(\text{PO}_4)_2$: evidence for a trigonal structure of the high-temperature polymorph”, *J. Solid State Chem.* **179(5)** (2006), 1489-1495.
2. **K. Popa**, D. Bregiroux, R.J.M. Konings, A.F. Popa, T. Gouder, T. Geisler, P.E. Raison, “The chemistry of phosphates of barium and tetravalent elements”, *J. Solid State Chem.* **180(8)** (2007), 2346-2355.
3. **K. Popa**, F. Wastin, E. Colineau, R.J.M. Konings, “The low-temperature heat capacity of $\text{Pu}_{0.1}\text{La}_{0.9}\text{PO}_4$ ”, *Solid State Commun.* **144(1-2)** (2007), 74-77.
4. P.E. Raison, R. Jardin, D. Bouëxière, R.J.M. Konings, T. Geisler, C.C. Pavel, J. Rebizant, **K. Popa**, “Structural investigation of $\text{CaAn}(\text{PO}_4)_2$ ($\text{An} = \text{Th}, \text{Np}$) cheralite-like compounds”, *Phys. Chem. Minerals* **35(10)** (2008), 603-609.
5. R. Jardin, C.C. Pavel, P.E. Raison, D. Bouëxière, H. Santa-Cruz, R.J.M. Konings, **K. Popa**, “The high temperature behaviour of PuPO_4 monazite and of some other related compounds”, *J. Nucl. Mater.* **378** (2008), 167-171.
6. **K. Popa**, T. Shvareva, L. Mazeina, E. Colineau, F. Wastin, R.J.M. Konings, A. Navrotsky, “Thermodynamic properties of $\text{CaTh}(\text{PO}_4)_2$ synthetic cheralite”, *Am. Mineral.* **93(8-9)** (2008), 1356-1362.
7. **K. Popa**, G. Wallez, P.E. Raison, D. Bregiroux, C. Apostolidis, P. Lindqvist-Reis, R.J.M. Konings, “ $\text{SrNp}(\text{PO}_4)_2$: an original ordered modification of cheralite”, *Inorg. Chem.* **49** (2010), 6904-6908.
8. G. Wallez, D. Bregiroux, **K. Popa**, P.E. Raison, C. Apostolidis, P. Lindqvist-Reis, R.J.M. Konings, A.F. Popa, “The $\text{BaAn}^{\text{IV}}(\text{PO}_4)_2$ ($\text{An}^{\text{IV}} = \text{Th}, \text{Np}$): a new family of layered double phosphates”, *Eur. J. Inorg. Chem.*, **1** (2011), 110-115.
9. **K. Popa**, G. Wallez, D. Bregiroux, P. Loiseau, “ $\text{M}^{\text{II}}\text{Ge}(\text{PO}_4)_2$ ($\text{M}^{\text{II}} = \text{Ca}, \text{Sr}, \text{Ba}$): crystal structure, thermal expansion and phase transition”, *J. Solid State Chem.* **184** (2011) 2629-2634.
10. G. Wallez, P.E. Raison, N. Dacheux, N. Clavier, D. Bykov, L. Delevoye, **K. Popa**, D. Bregiroux, A.N. Fitch, R.J.M. Konings, “Triclinic-cubic phase transition and negative thermal expansion in the actinide IV (Th, U, Np, Pu) diphosphates”, *Inorg. Chem.* **51** (2012) 4314-4322.

Teza de doctorat

“Bioacumularea unor radioizotopi din ape reziduale rezultate din tehnologii nucleare/ Bioaccumulation of some radioisotopes from wastewaters resulted from nuclear technologies”, Universitatea “Al.I. Cuza” - Iași, susținută la data de 30.11.2001 sub conducerea Prof. Dr. Alexandru Cecal, Diplomă de doctor nr. 152/16.01.2002.

Brevete de invenție

1. A. Cecal, V. Rudic, A. Gulea, M.N. Palamaru, D. Humelnicu, L. Cepoi, **K. Popa**, “Procedeu de solubilizare microbiologică a ionilor de uraniu din minereuri uranifere”, Brevet O.S.I.M./Ro **114960** (1999).
2. A. Cecal, N. Calu, M.N. Palamaru, D. Humelnicu, M. Calu, A.R. Iordan, **K. Popa**, “Procedeu de solubilizare în topitură alcalină a uraniului din minereuri uranifere sărace în minerale utile”, Brevet O.S.I.M./Ro **114984** (1999).
3. A. Cecal, M.N. Palamaru, M. Goanță, T. Stoicescu, V. Anița, **K. Popa**, A.O. Paraschivescu, “Procedeu de preparare a hidrogenului prin radioliza apei” Brevet O.S.I.M./Ro **117239** (2001).

4. A. Cecal, A.O. Paraschivescu M.N. Palamaru, **K. Popa**, S. Petrescu, D. Bontea, "Procedeu de depoluare a apelor pluviale colectate, în urma penetrării haldelor cu minereu uranifer", Brevet O.S.I.M./Ro **118531** (2003).
5. **K. Popa**, A. Cecal, I.I. Crăciun, V. Rudic, A. Gulea, L. Cepoi, "Procedeu de purificare biologică a apelor reziduale cu conținut de uraniu", Brevet AGEPI/Md **2481** (2004).
6. A. Cecal, A.O. Paraschivescu, M.N. Palamaru, D. Ciugureanu, V. Mereanu, A. Rusu, **K. Popa**, "Procedeu de extracție a ionilor de uranil", Brevet O.S.I.M./Ro **119459** (2005).

Articole ISI

1. A. Cecal, A. Gulea, V. Rudic, I. Palamaru, D. Humelnicu, **K. Popa**, "Bioakkumulation von UO_2^{2+} und Th^{4+} -ionen aus abwässern", *Isot. Environ. Health S.* **33** (1997), 327-331.
2. A. Cecal, I. Palamaru, **K. Popa**, I. Căraș, V. Rudic, A. Gulea, "Accumulation of $^{60}\text{Co}^{2+}$ and UO_2^{2+} ions on hydrophilic plants", *Isot. Environ. Health S.* **35** (1999), 213-219.
3. **K. Popa**, V. Brandel, A. Cecal, "Synthèse et caractérisation de ReP_2O_7 et des solutions solides $\text{Zr}_{1-x}\text{Re}_x\text{P}_2\text{O}_7$ ", *Rev. Roum. Chim.* **46**(5) (2001), 509-515.
4. A. Cecal, M. Goanță, M.N. Palamaru, T. Stoicescu, **K. Popa**, A.O. Paraschivescu, V. Anița, "Utilization of some oxides in water's radiolytical decomposition", *Radiat. Phys. Chem.* **62**(4) (2001), 333-336.
5. A. Cecal, **K. Popa**, D. Simon, I. Căraș, "On the bioaccumulation *Spirulina platensis* - $^{60}\text{Co}^{2+}$ system", *Rev. Roum. Chim.* **47**(8-9) (2002), 861-867.
6. A. Cecal, **K. Popa**, I. Căraș, V. Potoroacă, "Bioaccumulation of $^{65}\text{Zn}^{2+}$ ions on some hydrophilic plants", *Isot. Environ. Health S.* **38**(1) (2002), 33-37.
7. A. Cecal, **K. Popa**, V. Potoroacă, N. Melniciuc-Puică, "Decontamination of radioactive liquid wastes by hydrophilic vegetal organisms", *J. Radioanal. Nucl. Chem.* **251**(2) (2002), 257-261.
8. A. Cecal, **K. Popa**, M.L. Craus, S. Pațachia, R.T. Moraru, "On the bioleaching of UO_2^{2+} ions from a Romanian poor uranium ore", *J. Radioanal. Nucl. Chem.* **254**(1) (2002), 81-84.
9. **K. Popa**, A. Cecal, G. Drochioiu, A. Pui, D. Humelnicu, "Saccharomyces cerevisiae as uranium bioaccumulating material: Contact time, pH and anion nature influence", *Nukleonika* **48**(3) (2003), 121-125.
10. C.C. Pavel, **K. Popa**, N. Bîlbă, A. Cecal, D.G. Cozma, A. Pui, "Study of sorption of some radiocations on microporous titanosilicate ETS-10", *J. Radioanal. Nucl. Chem.* **258**(2) (2003), 243-248.
11. **K. Popa**, A. Cecal, D. Humelnicu, I. Căraș, C.L. Drăghici, "Removal of $^{60}\text{Co}^{2+}$ and $^{137}\text{Cs}^+$ ions from low radioactive solutions using *Azolla caroliniana* Willd.", *Cent. Eur. J. Chem.* **2**(3) (2004), 434-445.
12. D. Humelnicu, G. Drochioiu, **K. Popa**, "The bioaccumulation of thorium and uranyl ions on *Saccharomyces cerevisiae*", *J. Radioanal. Nucl. Chem.* **260**(2) (2004), 291-293.
13. G. Drochioiu, I. Mangalagiu, E. Avram, **K. Popa**, A.C. Dîrțu, I. Druță, "Cyanide reaction with ninhidrin: elucidation of reaction and interference mechanisms", *Anal. Sci.* **20**(10) (2004), 1443-1447.
14. A. Cecal, **K. Popa**, C.L. Drăghici, "Study of the corrosion reactions by means of a radiochemical method", *Radiochim. Acta* **93**(2) (2005), 115-117.
15. **K. Popa**, R.J.M. Konings, P. Boulet, D. Bouëxière, A.F. Popa, "The high temperature behaviour of barium zirconium diorthophosphate", *Thermochim. Acta* **436**(1-2) (2005), 51-55.
16. **K. Popa**, C.C. Pavel, N. Bîlbă, A. Cecal, "Purification of waste waters containing $^{60}\text{Co}^{2+}$, $^{115m}\text{Cd}^{2+}$ and $^{203}\text{Hg}^{2+}$ radioactive ions by ETS-4 microporous titanosilicate", *J. Radioanal. Nucl. Chem.* **269**(1) (2006), 155-160.

17. D. Humelnicu, G. Drochioiu, M.I. Sturza, A. Cecal, **K. Popa**, "Kinetic and thermodynamic aspects of U(VI) and Th(IV) sorption on a zeolitic volcanic tuff", *J. Radioanal. Nucl. Chem.* **270(3)** (2006), 637-640.
18. **K. Popa**, M.N. Palamaru, A.R. Iordan, D. Humelnicu, G. Drochioiu, A. Cecal, "Laboratory analysis of $^{60}\text{Co}^{2+}$, $^{65}\text{Zn}^{2+}$ and $^{55+59}\text{Fe}^{3+}$ radiocations uptake by *Lemna minor*", *Isot. Environ. Health S.* **42(1)** (2006), 87-95.
19. **K. Popa**, R.J.M. Konings, "High temperature heat capacities of EuPO_4 and SmPO_4 synthetic monazites", *Thermochim. Acta* **445(1)** (2006), 49-52.
20. **K. Popa**, R.J.M. Konings, O. Beneš, T. Geisler, A.F. Popa, "Thermodynamic and spectroscopic studies on the phase transition of $\text{BaHf}(\text{PO}_4)_2$ ", *Thermochim. Acta* **451(1-2)** (2006), 1-4.
21. **K. Popa**, D. Sedmidubský, O. Beneš, C. Thiriet, R.J.M. Konings, "The high temperature heat capacity of LnPO_4 ($\text{Ln} = \text{La}, \text{Ce}, \text{Gd}$) by drop calorimetry", *J. Chem. Thermodynamics* **38(7)** (2006), 825-829.
22. **K. Popa**, F. Jutier, F. Wastin, R.J.M. Konings, "The heat capacity of NdPO_4 ", *J. Chem. Thermodynamics* **38(11)** (2006), 1306-1311.
23. T. Geisler, **K. Popa**, R.J.M. Konings, A.F. Popa, "A Raman spectroscopic study of the phase transition of $\text{BaZr}(\text{PO}_4)_2$: evidence for a trigonal structure of the high-temperature polymorph", *J. Solid State Chem.* **179(5)** (2006), 1489-1495.
24. **K. Popa**, H. Leiste, T. Wiss, R.J.M. Konings, "Hydrothermal alteration of $\text{Ba}_x\text{M}^{\text{IV}}_{1-x}\text{Ce}_{2-2x}(\text{PO}_4)_2$ ($\text{M}^{\text{IV}} = \text{Zr}, \text{Hf}$) monazites as hosts for minor actinides", *J. Radioanal. Nucl. Chem.* **273(3)** (2007), 563-567.
25. **K. Popa**, F. Wastin, E. Colineau, R.J.M. Konings, "The heat capacity of BaUO_4 ", *J. Chem. Thermodynamics* **39(1)** (2007), 104-107.
26. **K. Popa**, R.J.M. Konings, T. Geisler, "High temperature calorimetry of $(\text{La}_{1-x}\text{Ln}_x)\text{PO}_4$ solid solutions", *J. Chem. Thermodynamics* **39(2)** (2007), 236-239.
27. **K. Popa**, D. Bregiroux, R.J.M. Konings, A.F. Popa, T. Gouder, T. Geisler, P.E. Raison, "The chemistry of phosphates of barium and tetravalent elements", *J. Solid State Chem.* **180(8)** (2007), 2346-2355.
28. **K. Popa**, F. Wastin, E. Colineau, R.J.M. Konings, "The low-temperature heat capacity of $\text{Pu}_{0.1}\text{La}_{0.9}\text{PO}_4$ ", *Solid State Commun.* **144(1-2)** (2007), 74-77.
29. **K. Popa**, M. Murariu, R. Molnar, G. Schlosser, A. Cecal, G. Drochioiu, "Effect of radioactive and non-active mercury on wheat germination and the anti-toxic role of glutathione", *Isot. Environ. Health S.* **43(2)** (2007), 105-116.
30. G. Drochioiu, **K. Popa**, D. Humelnicu, M. Murariu, I. Sandu, A. Cecal, "Comparision of various sensitive and selective spectrophotometric assays of environmental cyanide", *Toxicol. Environ. Chem.* **90(2)** (2008), 221-235.
31. **K. Popa**, R. Tykva, E. Podracká, D. Humelnicu, " ^{226}Ra translocation from soil to spontaneous vegetation growing in the Crucea (Romania) uranium mining area", *J. Radioanal. Nucl. Chem.* **278(1)** (2008), 211-213.
32. **K. Popa**, R.J.M. Konings, F. Wastin, E. Colineau, N. Magnani, P.E. Raison, "A re-evaluation of the heat capacity of cerium zirconate ($\text{Ce}_2\text{Zr}_2\text{O}_7$) from (2 to 1550) K", *J. Phys. Chem. Solids* **69(1)** (2008), 70-75.
33. P.E. Raison, R. Jardin, D. Bouëxière, R.J.M. Konings, T. Geisler, C.C. Pavel, J. Rebizant, **K. Popa**, "Structural investigation of $\text{CaAn}(\text{PO}_4)_2$ ($\text{An} = \text{Th}, \text{Np}$) cheralite-like compounds", *Phys. Chem. Minerals* **35(10)** (2008), 603-609.
34. R. Jardin, C.C. Pavel, P.E. Raison, D. Bouëxière, H. Santa-Cruz, R.J.M. Konings, **K. Popa**, "The high temperature behaviour of PuPO_4 monazite and of some other related compounds", *J. Nucl. Mater.* **378** (2008), 167-171.
35. R.J.M. Konings, **K. Popa**, E. Colineau, F. Wastin, "The low-temperature heat capacity of CaUO_4 and SrUO_4 ", *J. Chem. Thermodynamics* **40(2)** (2008), 220-224.

36. R.J.M. Konings, **K. Popa**, F. Wastin, E. Colineau, "The low-temperature heat capacity and standard entropy of synthetic huttonite ThSiO_4 ", *J. Chem. Thermodynamics* **40(6)** (2008), 931-934.
37. R.J.M. Konings, M. Walter, **K. Popa**, "The excess properties of the $\text{Ln}_{2-2x}\text{Ca}_x\text{Th}_x(\text{PO}_4)_2$ ($\text{Ln} = \text{La}, \text{Ce}$) solid solutions", *J. Chem. Thermodynamics* **40(8)** (2008), 1305-1308.
38. **K. Popa**, T. Shvareva, L. Mazeina, E. Colineau, F. Wastin, R.J.M. Konings, A. Navrotsky, "Thermodynamic properties of $\text{CaTh}(\text{PO}_4)_2$ synthetic cheralite", *Am. Mineral.* **93(8-9)** (2008), 1356-1362.
39. C.C. Pavel, M. Walter, **K. Popa**, "The improvement of retention capacity of ETS-10 towards uranyl ions by porosity modification and their immobilization into a titanosilicate matrix", *J. Mater. Chem.* **18(27)** (2008), 3342-3346.
40. M. Murariu, **K. Popa**, E.S. Drăgan, G. Drochioiu, "Synthetic cysteine-peptide and its relation with heavy and radioactive metals", *Rev. Roum. Chim.* **54(8)** (2009), 741-747.
41. R. Tykva, J. Novák, E. Podracká, **K. Popa**, "Bioaccumulation of uranium from waste water using different strains of *Saccharomyces cerevisiae*", *Nukleonika* **54(2)** (2009), 143-148.
42. M. Ayranov, J. Cobos, **K. Popa**, V.V. Rondinella, "Determination of Ba, Zr, U, Th and REE in simulated hydrogeological leachats by ICP-OES after matrix solvent extraction", *J. Rare Earths* **27(1)** (2009), 123-127.
43. R. Tykva, K. Salahel Din, C.C. Pavel, A. Cecal, **K. Popa**, "Contribution to the external surface of a titanium-rich sand (Abou-Khashaba, Egypt) in the uranium uptake process", *J. Radioanal. Nucl. Chem.* **279(3)** (2009), 811-816.
44. D. Bregiroux, **K. Popa**, R. Jardin, P.E. Raison, G. Wallez, M. Quarton, M. Brunelli, C. Ferrero, R. Caciuffo, "Crystal structure and thermal expansion of the low- and high-temperature forms of $\text{BaM}^{\text{IV}}(\text{PO}_4)_2$ ($\text{M}^{\text{IV}} = \text{Ti}, \text{Zr}, \text{Hf}, \text{and Sn}$)", *J. Solid State Chem.* **182** (2009), 1115-1120.
45. A. Borhan, B. Apetrăchioaei, **K. Popa**, "On the existence of the cerium(IV) phosphate, $\text{Ce}_3(\text{PO}_4)_4$ ", *Rev. Roum. Chim.*, **55(7)** (2010), 389-393.
46. P.E. Raison, C.C. Pavel, R. Jardin, E. Suard, R. Haire, **K. Popa**, "Thermal expansion measurements of $\text{Ce}_2\text{Zr}_2\text{O}_7$ up to 898 K in conjunction with structural analysis by neutron diffraction", *Phys. Chem. Minerals*, **37(8)** (2010), 555-559.
47. S. Surblé, S. Heatman, P. Raison, D. Bouëxière, **K. Popa**, R. Caciuffo, "Pressure-induced structural transition in lanthanoide zirconate pyrochlores", *Phys. Chem. Minerals* **37(10)** (2010), 761-767.
48. **K. Popa**, G. Wallez, P.E. Raison, D. Bregiroux, C. Apostolidis, P. Lindqvist-Reis, R.J.M. Konings, "SrNp(PO₄)₂: an original ordered modification of cheralite", *Inorg. Chem.* **49** (2010), 6904-6908.
49. C. Borcia, **K. Popa**, C.C. Pavel, A. Dascălu, C. Vițelaru, B.A. Apetrăchioaei, "Sorption of $^{204}\text{Tl}^+$ from acidic aqueous solutions onto as-made and modified ETS-10", *J. Radioanal. Nucl. Chem.* **288** (2011), 25-30.
50. C.C. Pavel, M. Walter, P. Pöml, D. Bouëxière, **K. Popa**, "Contrasting immobilization behaviour of Cs^+ and Sr^{2+} cations into a titanosilicate matrix", *J. Mater. Chem.* **21** (2011), 3831-3837.
51. O. Beneš, **K. Popa**, V. Reuscher, A. Zappia, D. Staicu, R.J.M. Konings, "High temperature heat capacity of PuPO_4 monazite-analogue", *J. Nucl. Mater.* **418** (2011), 182-185.
52. G. Wallez, D. Bregiroux, **K. Popa**, P.E. Raison, C. Apostolidis, P. Lindqvist-Reis, R.J.M. Konings, A.F. Popa, "The $\text{BaAn}^{\text{IV}}(\text{PO}_4)_2$ ($\text{An}^{\text{IV}} = \text{Th}, \text{Np}$): a new family of layered double phosphates", *Eur. J. Inorg. Chem.*, **1** (2011), 110-115.
53. F. Tudorache, **K. Popa**, L. Mitoșeru, N. Lupu, D. Bregiroux, G. Wallez, "Dielectric investigations of $\text{M}^{\text{II}}\text{M}^{\text{IV}}(\text{PO}_4)_2$ double orthophosphates ($\text{M}^{\text{II}} = \text{Ca}, \text{Sr}, \text{Ba}, \text{Pb}$; $\text{M}^{\text{IV}} = \text{Ti}, \text{Zr}, \text{Hf}, \text{Ge}, \text{Sn}$)", *J. Alloys Compd.* **37** (2011) 9127-9132.
54. **K. Popa**, G. Wallez, D. Bregiroux, P. Loiseau, " $\text{M}^{\text{II}}\text{Ge}(\text{PO}_4)_2$ ($\text{M}^{\text{II}} = \text{Ca}, \text{Sr}, \text{Ba}$): crystal structure, thermal expansion and phase transition", *J. Solid State Chem.* **184** (2011) 2629-2634.

55. **K. Popa**, C.C. Pavel, "Radioactive wastewaters purification using titanosilicates materials: state of the art and perspectives", *Desalination* **193** (2012) 78-86
56. G. Wallez, P.E. Raison, N. Dacheux, N. Clavier, D. Bykov, L. Delevoye, **K. Popa**, D. Bregiroux, A.N. Fitch, R.J.M. Konings, "Triclinic-cubic phase transition and negative thermal expansion in the actinide IV (Th, U, Np, Pu) diphosphates", *Inorg. Chem.* **51** (2012) 4314-4322.

Lucrări publicate in extenso în proceeding-uri ale conferințelor

1. A. Cecal, I. Palamaru, D. Humelnicu, **K. Popa**, A. Gulea, V.V. Șalaru, V. Rudic, "Removal of uranyl ions from residual waters using some algae types", *Czech. J. Phys.* **49(Suppl. A)** (1999), 987-990.
2. A. Cecal, A.O. Paraschivescu, D. Colisnic, **K. Popa**, "Hydrogen production by catalytic radiolysis of water"; publicată integral în: *Proceedings of the 5th International Conference on Nuclear and Radiochemistry*, Pontresina, Elveția (2000), vol. II, 633-636.
3. **K. Popa**, A. Cecal, I. Căraș, I.I. Crăciun, "La biosorption d'ions radioactifs UO_2^{2+} et Th^{4+} sur le biosorbent *Lemna minor*"; publicată integral în: *Actes du Colloque Franco-Roumain de Chimie Appliquée*, Bacău, România, (2000), 66-67.
4. A. Cecal, **K. Popa**, I. Căraș, I.I. Crăciun, "Uranium and thorium uptake on the hydrophilic plants", publicată integral în: *Uranium in the aquatic environment III*, Freiberg, Germania, (eds. J.B. Merkel, B. Planer-Friederich, C. Wolkersdorfer), Springer (2002), 479-488.
5. A. Cecal, **K. Popa**, I.I. Crăciun, I. Neda, "Use of some calixarenes as cleaning agents for low radioactive contaminated waters", *Czech. J. Phys.* **53(Suppl. A)** (2003), 557-561.
6. A. Cecal, S. Pațachia, **K. Popa**, C. Corbos, "A radiokinetic study of the $^{60}CoC_2O_4$, $^{60}CoI_2$ and $^{60}Co(SCN)_2$ crystals growth in hydrogels"; publicată integral în: *Nuclear and Radiochemistry 6* (eds.: S.M. Qaim, H.H. Coenen), Jülich, Germania (2004), 477-479.
7. **K. Popa**, D. Humelnicu, M. Răileanu, R. Călmoi, A. Cecal, "Recent results in the depollution of the radioactive waste waters", *Sustainability for humanity, environment in the extended connection field of science - economy - policy*, Timișoara, România (2005), vol. I, 185-188.
8. **K. Popa**, R.J.M. Konings, D. Bouëxière, A.F. Popa, T. Geisler, "Synthesis and characterization of $BaM^{IV}(PO_4)_2$ in the view of conditioning of the actinides", *Advances in Science and Technology*, Acireale, Italia **45** (2006) 2012-2017.
9. **K. Popa**, M. Murariu, A. Cecal, G. Drochioiu, "Protective role of cystine against the radiotoxic cations within several germination experiments", publicată integral în: *Metal Ions in Biology and Medicine*, Bastia, Franța, vol. 10 (eds. P. Collery, I. Maymard, T. Theophanides, L. Khassanova, T. Collery), John Libbey Eurotext, Paris (2008), 838-842.