

## LISTA DE LUCRĂRI

### I. Cărți și capitole în cărți

1. Rusu A, **Uivarosi V.** *Chinolone antibacteriene - Evoluție și perspective de dezvoltare*, Ed. Medicală, București, 2013. ISBN 978-973-39-0760-2; 307 p.
2. **Uivarosi V.** *Chimie generală*. Ed. Universitară „Carol Davila”, București, 2013. ISBN 978-973-708-701-0; 285 p.
3. Properties of metals and metal ions related to QSAR studies, Chapter 3 in Walker JD, Newman, MC, Enache E. *Fundamental QSARs for metal ions*. CRC Press, Taylor and Francis Group, Boca Raton, Florida, 2012. ISBN 978-1-4200-8433-7; p. 51-96
4. Aldea V, **Uivarosi V.**, *Chimie anorganică-Curs universitar*, Ed. Tehnoplast Company, 2007; ISBN 978-973-8932-11-1; 303 p.
5. **Uivarosi V.**, *Ionii metalici și fluorochinolonele. Interacțiuni chimice și clinice*, Atlas Press, București, 2005. ISBN 973-7767-07-1; 160 p.
6. Aldea V, **Uivarosi V.**, *Chimie anorganică-Lucrări practice*, Ed. Universitară „Carol Davila” București, 2004. ISBN 973-7918-96-7 ; 172 p; lucrarea republicată în ediție revizuită la Ed. Universitară „Carol Davila” București, 2005. ISBN 973-708-073-4;
7. Aldea V, **Uivarosi V.**, *Chimie anorganică (note de curs)*, Ed. Ilex, București, 2001. ISBN 973-99015-2-2 ; 377 p.
8. Chirigiu L, Aldea V, **Uivarosi V.**, *Chimie anorganică (teste grilă pentru bacalaureat și admiterea la facultate)*, Ed. Scorilo, Craiova, 2000. ISBN 973-99694-3-7; 213 p.
9. Aldea V, **Uivarosi V.**, *Chimie anorganică. Principii fundamentale*, Ed. Medicală, București, 2000. ISBN 973-39-0415-5; 738 p.
10. Aldea V, **Uivarosi V.**, *Chimie anorganică. Elemente și combinații*, Ed. Medicală, București, 1999. ISBN 973-39-0400-7; 694 p.
11. Aldea V, **Uivarosi V.**, Ion C-C, *Zincul. Aspecte de chimie bioanorganică, farmacologie și laborator clinic*, Ed. Tehnoplast, București, 1998. ISBN 973-98253-8-9; 151 pagini

## **II. Articole/studii in extenso publicate în reviste cotate ISI, indexate PubMed sau alte BDI, CNCSIS**

### **II.1. Articole publicate în reviste cotate ISI**

1. Munteanu A, **Uivarosi V\***, Andries A. Recent progress in understanding the molecular mechanisms of radioresistance in *Deinococcus* bacteria. *Extremophiles* 2015, DOI: 10.1007/s00792-015-0759-9; ISSN 1431-0651.  
**IF 2.306**
2. Gruia MI, Negoita V, Vasilescu M, Panait M, Gruia I, Velescu BS, **Uivarosi V**. Biochemical action of some new complexes of ruthenium with quinolones as potential antitumoral agents. *Anticancer Res* 2015; 35(6):3371-3378; ISSN 0250-7005.  
**IF 1.826**
3. Rusu A, Hancu G, **Uivarosi V**. Fluoroquinolone pollution of food, water and soil, and bacterial resistance. *Environ Chem Lett* 2015; 13(1):21-36; ISSN 1610-3653.  
**IF 2.573**
4. Velescu B, Anuța V, **Uivarosi V**. Pharmacokinetic evaluation of a novel ruthenium-ofloxacin complex, as potential therapeutic agent. *Farmacologia* 2014; 62(5):1009-1024; ISSN 0014-8237.  
**IF 1.251**
5. Badea M, Patrascu F, Cerc Korošec R, Bukovec P, Raita M, Chifiriuc MC, Marutescu L, Bleotu C, Velescu B, Marinescu D, **Uivarosi V**, Olar R. Thermal, spectral, magnetic and biologic characterization of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand bearing ketopyridine moieties. *J Therm Anal Calorim* 2014; 118(2):1183-1193; ISSN 1388-6150.  
**IF 2.206**
6. Barbuceanu SF, Ilies DC, Saramet G, **Uivarosi V**, Draghici C, Radulescu V. Synthesis and antioxidant activity evaluation of new compounds from hydrazinecarbothioamide and 1,2,4-triazole class containing diarylsulfone and 2,4-difluorophenyl moieties. *Int J Mol Sci* 2014; 15(6):10908-10925; ISSN 1422-0067.  
**IF 2.339**
7. **Uivarosi V**, Pahonțu E, Munteanu A. Synthesis, characterization, and fluorescent properties of new complexes of 5-hydroxyflavone with some divalent metal ions. *Rev Chim* 2014, 65(1):33-38; ISSN 0034-7752.  
**IF 0.677**
8. **Uivarosi V**. Metal complexes of quinolone antibiotics and their applications: an update. *Molecules* 2013; 18(9):11153-11197; ISSN 1420-3049.  
**IF 2.428**

9. **Uivarosi V**, Badea M, Olar R, Draghici C, Barbuceanu SF. Synthesis and Characterization of some new complexes of magnesium (II) and zinc (II) with the natural flavonoid primuletin. *Molecules* 2013; 18(7):7631-7645; ISSN 1420-3049.  
**IF 2.428**
10. Dinu-Pîrvu, C, Arama, CC, Radu, C, **Uivarosi, V**. Preliminary preformulation studies for a new norfloxacin ruthenium (III) complex with biological activity. *Farmacia* 2013, 61(2):251-261; ISSN 0014-8237.  
**IF 0.578**
11. **Uivarosi V**, Badea M, Aldea V, Chirigiu L, Olar R. Thermal and spectral studies of palladium(II) and platinum(IV) complexes with dithiocarbamate derivatives. *J Therm Anal Calorim* 2013, 111(2):1177-1182; ISSN 1388-6150.  
**IF 1.982**
12. **Uivarosi V**, Dinu Pirvu C, Ghica M, Anuta V. Preformulation studies using cosolvent systems to increase the solubility of a new enrofloxacin ruthenium (III) complex with biological activity. *Farmacia*, 2013, 61(1):127-142; ISSN 0014-8237;  
**IF 0.578**
13. Velescu BS, **Uivarosi V\***, Negres S. Effect of di- $\mu$ -hydroxo-bis(querctinatiooxovanadium(IV)) complex on alloxan-induced diabetic rats. *Farmacia* 2012, 60(5):696-710; ISSN 0014-8237.  
**IF 0.578**
14. Badea M, Olar R, **Uivarosi V**, Marinescu D, Aldea V. Synthesis and characterization of some vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim*, 2012, 107(1):279-285; ISSN 1388-6150.  
**IF 1.982**
15. **Uivarosi V**, Badea M, Olar R, Marinescu D, Nicolescu TO, Nitulescu GM. Thermal degradation behavior of some ruthenium complexes with fluoroquinolone derivatives as potential antitumor agents. *J Therm Anal Calorim* 2011, 105(2):645-650; ISSN 1388-6150.  
**IF 1.604**
16. Badea M, Olar R, **Uivarosi V**, Marinescu D, Aldea V, Barbuceanu SF, Nitulescu GM. Thermal behavior of some vanadyl complexes with flavone derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim* 2011, 105(2):559-564; ISSN 1388-6150.  
**IF 1.604**
17. **Uivarosi V**, Barbuceanu SF, Aldea V, Arama CC, Badea M, Olar R, Marinescu D. Synthesis, spectral and thermal studies of new rutin vanadyl complexes. *Molecules* 2010, 15(3):1578-1589; ISSN 1420-3049;  
**IF 1.988**

18. Badea M, Olar R, Marinescu D, **Uivarosi V**, Nicolescu TO, Iacob D. Thermal study of some new quinolone ruthenium(III) complexes with potential cytostatic activity. *J Therm Anal Calorim* 2010, 99(3):829-834; ISSN 1388-6150.  
**IF 1.752**
19. Badea M, Olar R, Marinescu D, **Uivarosi V**, Aldea V, Nicolescu TO. Thermal stability of new vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim* 2010, 99(3):823-827; ISSN 1388-6150.  
**IF 1.752**
20. Dinu M, **Uivarosi V**, Popescu ML, Radulescu V, Arama CC, Nicolescu TO, Ancuceanu RV. Proximate composition and some physico-chemical properties of Abutilon theophrasti (velvetleaf) seed oil. *Rev Chim* 2010, 61(1):50-54; ISSN 0034-7752  
**IF 0.693**
21. Lupsor S, **Uivarosi V**, Iovu M. Rapid synthesis of azole aminals under microwave heating conditions. *Rev Chim* 2010, 61(3):333-335; ISSN 0034-7752  
**IF 0.693**
22. Badea M, Olar R, Marinescu D, **Uivarosi V**, Iacob D. Thermal decomposition of some biologically active complexes of ruthenium (III) with quinolone derivatives. *J Therm Anal Calorim* 2009, 97(2):735-739; ISSN 1388-6150.  
**IF 1.587**
23. **Uivarosi V**, Monciu CM. Studies on the gravimetric and spectrophotometric analysis of norfloxacin using ammonium reineckate. *Rev Chim* 2009, 60(2):132-136; ISSN 0034-7752.  
**IF 0.695**
24. **Uivarosi V**, Monciu CM. The gravimetric and spectrophotometric assay of ofloxacin using ammonium reineckate. *Rev Chim* 2005, 56(7):726-730; ISSN 0034-7752.  
**IF 0.291**

*Articole in Press*

25. **Uivarosi V**, Olar R, Badea M, Chifiriuc CM. Antimicrobial activity of some new Ru(III) chelates with quinolone derivatives. *Farmacia* **IF 0.578**
26. Arsene, AL, **Uivarosi V**, Mitrea N, Dragoi C, Nicolae A. In vitro studies regarding the interactions of some novel ruthenium (III) complexes with double stranded calf thymus deoxyribonucleic acid (DNA). *Farmacia* **IF 0.578**
27. **Uivarosi V**, Badea M, Olar R, Velescu BS, Aldea V. Synthesis and characterization of a new complex of oxovanadium(IV) with naringenin, as potential insulinomimetic agent. *Farmacia* **IF 0.578**

## **II.2. Articole publicate în reviste indexate BDI**

28. Velescu BS, **Uivarosi V\***, Buzescu A, Sarbu I, Ionescu E, Anuta V. Pharmacokinetic profile evaluation of di- $\mu$ -hydroxobis(quercetinatoxovanadium(IV)) complex. *Curr Health Sci J* 2014, 40(4):265-270; ISSN: 2067 - 0656.
29. Velescu BS, **Uivarosi V**, Anuta V, Buzescu A, Negres S. Pharmacodynamic and pharmacokinetic studies on novel vanadyl chrysin complex. *Stud Univ Vasile Goldis Arad Ser Stiint Vietii* 2012, 22(4):525-530; ISSN: 1584-2363.
30. Arsene AL, **Uivarosi V**, Mitrea N, Dragoi CM, Nicolae A. The binding properties of some novel ruthenium (III) complexes with human serum transferrin. *Biopolymers and Cell* 2011, 27(2):141 – 146; ISSN: 0233-7657.
31. **Uivarosi V**. Sodium tetraphenylborate-analytical uses. Note I. Reaction with ofloxacin, *Farmacia* 2005, 53(4):47-53; ISSN 0014-8237.
32. **Uivarosi V**. Sodium tetraphenylborate-analytical uses. Note II. New methods for the assay of ofloxacin. *Farmacia* 2005, 53(5):76-82; ISSN 0014-8237.
33. **Uivarosi V**, Reaction of ofloxacin with picric acid. Note I: Synthesis and characterization of ofloxacin picrate. *Farmacia* 2005, 53(2):113-120; ISSN 0014-8237.
34. **Uivarosi V**, Reaction of ofloxacin with picric acid. Note II. New methods for the assay of ofloxacin. *Farmacia* 2005, 53(3):5-10; ISSN 0014-8237.
35. **Uivarosi V**, Reaction of some fluoroquinolone antibiotics with picrolonic acid. Note I. *Farmacia* 2002, 50(4):22-28; ISSN 0014-8237.
36. **Uivarosi V**, Reaction of some fluoroquinolone antibiotics with picrolonic acid. Note II. *Farmacia* 2002, 50(6):67-71; ISSN 0014-8237.
37. **Uivarosi V**, Aramă C. Contributions to the spectrophotometric analyses of norfloxacin. *Farmacia* 2002, 50(3):71-77; ISSN 0014-8237.
38. **Uivarosi V**, Aramă C. Application of the UV spectrophotometry from quantitative determination of ofloxacin. *Farmacia* 2002, 50(2):63-68; ISSN 0014-8237.
39. **Uivarosi V**, Neagoe S, Aldea V, Nițulescu A. Structure and antimicrobial activity of some new norfloxacin and ofloxacin divalent metal ion complexes. *Roum Arch Microbiol Immunol* 2001, 60(3):267-77; ISSN: 1222-3891.
40. Aldea V, **Uivarosi V**. Aplicații ale compușilor borului în terapia antitumorală. *Farmacia* 2000, 48(3):17-25; ISSN 0014-8237.
41. Aldea V, **Uivarosi V**. Seleniul și implicațiile lui biomedicale. *Farmacia* 2000, 48(2):61-73; ISSN 0014-8237.
42. Aldea V, **Uivarosi V**. Aluminiul în sistemele biologice. *Farmacia* 2000, 48(1):45-51; ISSN 0014-8237.
43. Aldea V, **Uivarosi V**, Carp N, Carp S. Studiul prin spectrofotometrie derivativă de absorbție a interacțiunii benzilpenicilinei în soluții apoase cu ionul  $Cr^{3+}$ . *Farmacia* 1999, 47(6):15-26; ISSN 0014-8237.

### **II.3. Articole publicate în alte reviste**

44. **Uivaroși V.** Determinarea norfloxacinii din comprimate prin cromatografie de lichide de înaltă performanță. *Revista de Medicină și Farmacie- Orvosi es Gyogyszereszeti Szemle* 2005, 51(1):55-57; ISSN 2068 – 3324. (CNCSIS C)
45. Aldea V, **Uivaroși V**, Dinu M. Sinteza și caracterizarea unor polioxometalați ce conțin Se (IV), *Revista de Medicină și Farmacie - Orvosi es Gyogyszereszeti Szemle* 2005, 51(1):35-37; ISSN 2068 – 3324 (CNCSIS C).

### **III. Publicații in extenso și rezumate ale lucrărilor prezentate la conferințe de specialitate**

#### **III.1. Lucrări prezentate la conferințe de specialitate, publicate în rezumat în reviste cotate ISI**

1. Gruia MI, Negoita V, Vasilescu M, Panait M, Gruia I, **Uivarosi V.** Mechanisms of action of some new complexes of ruthenium with quinolones as potential antitumor agents. *9<sup>th</sup> International conference of anticancer research*, Sithonia, Greece, October 6-10, 2014. *Anticancer Res* 2014, 34(10):5931
2. Barbuceanu S-F, Ilies DC, Saramet I, **Uivarosi V**, Draghici C, Radulescu V. New compounds from hydrazinecarbothioamide and triazole class with potential antioxidant activity. *5<sup>th</sup> International BBBB Conference*, Athens, Greece, 26-28 September 2013. *Eur J Pharm Sci* 2014, 50(Suppl 1) E144-E145
3. Gruia MI, **Uivarosi V**, Negoita V, Panait M, Vasilescu M, Gruia I. Effects of quercetin on experimental cancer in rats following oxidant/antioxidant balance. *38<sup>th</sup> FEBS Congress*, Saint Petersburg, Russia, July 6–11 2013. *FEBS Journal* 2013, 280 (Suppl. 1), p. 318.
4. Gruia MI, **Uivarosi V**, Negoita V, Gruia I. Therapeutic potential evaluation of complex combination of oxovanadium with quercetin. *22<sup>nd</sup> IUBMB Congress/37<sup>th</sup> FEBS Congress*, Seville, Spain, September 04-09 2012. *FEBS Journal* 2012, 279 (Suppl. 1), p. 217-218.
5. Margina D, Velescu B, **Uivarosi V**, Aldea V, Negres S, Mitrea N. Evaluation of insulin-mimetic activity of new vanadyl-flavonoid complexes in alloxan induced diabetes. *35<sup>th</sup> FEBS Congress*, Goteborg, Sweden, 26 June-1 July 2010. *FEBS Journal* 2010, 277 (Suppl. 1), p. 61.
6. Gruia MI, **Uivarosi V**, Negoita V, Vasilescu M, Gruia I. The oxygen reactive species implications in the efficiency of antitumoral treatment with complex combinations of ruthenium. *35<sup>th</sup> FEBS Congress*, Goteborg, Sweden, 26 June-1 July 2010. *FEBS Journal* 2010, 277 (Suppl. 1), p. 192.
7. Arsene AL, **Uivarosi V**, Mitrea N, Dragoi C, Nicolae A. In vitro studies regarding the interactions of some ruthenium (III) fluoroquinolones complexes with double stranded calf thymus DNA. *35<sup>th</sup> FEBS Congress*, Goteborg, Sweden, 26 June-1 July 2010. *FEBS Journal* 2010, 277 (Suppl. 1), p. 239.

### **III.2. Lucrări prezentate la conferințe de specialitate, publicate in extenso sau în rezumat în volume cu ISBN/ISSN**

8. Hudita A, Galateanu B, Munteanu AC, **Uivarosi V**, Costache M. *In vitro* biological screening of potential insulinmimetic metal-flavonoid complexes. *Simpozionul "Academician Nicolae Cajal"*, ediția a X-a, București, 01-04 aprilie 2015; *Journal of Translational Medicine and Research* 20 (Supplement II), 2015; ISSN 2392-7232, S45
9. Mihăilă M, Hotnog C, Bostan M, Roman V, **Uivarosi V**, Brașoveanu LI. Efectele biologice ale compușilor cu ruteniu (III) în celule tumorale umane de colon. *Conferințele Institutului regional de oncologie Iasi, Romania*, 27-30 noiembrie 2014, Volumul rezumatelor ISSN 2344-5270, p. 236
10. Velescu BS, Anuta V, Nitulescu GM, **Uivarosi V**, Dinu-Pîrvu CE. Antiinflammatory effect evaluation of novel ruthenium(III)-norfloxacin complex with anticancer properties. *Simpozionul international „PRIOCHEM”*, Bucuresti, Romania, 30-31 octombrie 2014; Volum de rezumate ISSN 2285 – 8334, p. 70.
11. Velescu BS, Anuta V, Ionescu E, **Uivarosi V**. Metallokinetic of vanadium, administered as a vanadyl chrysin complex. *Simpozionul international „PRIOCHEM”*, Bucuresti, Romania 30-31 octombrie 2014; Volum de rezumate ISSN 2285 – 8334, p 29.
12. Aramă CC, **Uivarosi V**, Radu C. Studies on the interactions between  $\beta$ -cyclodextrin and some of its derivatives and the biologically active complex formed by Ru(III) with norfloxacin. *Congresul National de Farmacie din România, Ediția a XV-a*, Iasi, 24-27 septembrie 2014; Volum de rezumate ISBN: 978-606-544-252-8, p. 351
13. Velescu BȘ, Anuta V, Ionescu E, Margina D, Negres S, **Uivarosi V**. Pharmacodynamic and pharmacokinetic profile evaluation of a novel Vanadyl-quercetin complex with hypoglycemic activity. *School of Advanced Studies. Biowaivers, development of in vitro-in vivo correlations and quality generic drugs-SoAS*. București, 9-11 iulie 2014; Volum de rezumate ISBN:978-973-708-773-7, p. 193.
14. Drăgoi CM, **Uivarosi V**, Arsene AL, Mitrea N, Nicolae AC. *In vitro* study on the binding properties of novel ruthenium (III) complexes with human serum transferrin. *The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology*, Oradea, Romania, 5-6 iunie 2014; *Rom J Biochem*, 51 (Suppl.), Ed. Academiei Române; ISSN 1582-3318, p. 28.
15. Anghel AA, Olaru OT, **Uivarosi V**, Dinu M, Istudor V, Șerbu SC. Atomic absorption spectrometric determination of vanadium in some species of the *Trigonella*, *Portulaca* and *Fallopia* genera, *2<sup>nd</sup> Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences*, Brasov, România, May 24-27, 2012; Volum de rezumate ISBN 978-606-19-0072, p 88.

16. **Uivarosi V**, Badea M, Olar R, Chirigiu L, Aldea V. Thermal and spectral studies of palladium(II) and platinum(IV) complexes with dithiocarbamate derivatives, *1<sup>st</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry*, Craiova, Romania, 7-10 September 2011; Volum de rezumate ISBN 978-606-1-1893-9 p. 413.
17. **Uivarosi V**, Badea M, Olar R. Thermal behaviour of new Sm(III), Eu(III), Gd(III),Tb(III) complexes with fisetin, *1<sup>st</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry*, Craiova, Romania, 7-10 September 2011; Volum de rezumate ISBN 978-606-1-1893-9, p. 414.
18. **Uivarosi V**, Badea M, Olar R, Arsene AL, Sianu-Piperea A. Synthesis, characterization and DNA-binding properties of solid fisetin rare earth (III) complexes, *4<sup>rd</sup> European Conference on Chemistry for Life Sciences*, Budapest, Hungary, 31 August -3 September 2011; Volum de rezumate ISBN 978-963-9970-14-4, p. 274.
19. Velescu BS, **Uivarosi V**, Negres S, Margina D. New oxovanadium (IV) complex of hesperetin as insulin-mimetic agent, *4<sup>rd</sup> European Conference on Chemistry for Life Sciences*, Budapest, Hungary, 31 August -3 September 2011; Volum de rezumate ISBN 978-963-9970-14-4, p.275.
20. Arsene AL, **Uivarosi V**, Mitrea N, Dragoi CM, Nicolae A. The binding properties of some novel ruthenium (III) complexes with human serum transferrin, *Bridges in Life Sciences, 6<sup>th</sup> Annual Scientific Meeting of Regional Cooperation for Health (RECOOP HST)*, Science and Technology, Bratislava, Slovak Republic, April 8-10, 2011; Biopolymers and Cell 27 (supl. N2); ISSN 0233-7657, p. 83..
21. Arsene AL, **Uivarosi V**, Dragoi CM, Mitrea N, Nicolae A. *In vitro* studies regarding the interactions of some ruthenium (II) fluoroquinolones complexes and some plasmatic proteins, *Bridges in Life Sciences, 5<sup>th</sup> Annual Scientific Meeting of Regional Cooperation for Health, Science and Technology (RECOOP HST)*, Lviv, Ukraine, April 9-11, 2011; Biopolymers and Cell 2010, 26 (supl. N2); ISSN 0233-7657, p. 127.
22. Lupşor S, **Uivarosi V**, Iovu M. Rapid synthesis of azole's amins under microwave heating conditions, *16<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering RICCE XVI*, 9-12 September 2009, Sinaia, Romania; Volum de lucrari in extenso ISBN 978-606-521-349-4 p. S.I.15 – S.I.21.
23. **Uivarosi V**, Badea M, Olar R, Marinescu D, Barbuceanu SF, Nitulescu GM, Aldea V. Synthesis, characterization and antibacterial activity of several complexes of oxovanadium(IV) with norfloxacin and ofloxacin, *Al XIV-lea Congres Național de Farmacie*, Târgu Mures, 13-16 octombrie 2010; Acta Medica Marisiensis 56 (suppl. 2); ISSN 2068-3324, p. 5.
24. **Uivarosi V**, Neagu AF, Nedelcu A, Constantinescu IC. Solution chemistry studies of novel ruthenium (III) complexes with some quinolone antibacterial agents, *Al XIV-lea Congres Național de Farmacie*, Targu Mures, 13-16 octombrie 2010; Acta Medica Marisiensis 56 (supl. 2); ISSN 2068-3324, p. 24.



25. Arsene AL, **Uivarosi V**, Mitrea N, Dragoi CM. Nicolae. In vitro studies regarding the binding of some ruthenium (III) complexes with some plasmatic proteins, *Al XIV-lea Congres Național de Farmacie*, Târgu Mures, 13-16 octombrie 2010; *Acta Medica Marisiensis* 56 (suppl. 2); ISSN 2068-3324, p. 112.
26. **Uivarosi V**, Iacob D, Aldea V, Velescu B, Badea M, Olar R, Marinescu D, Nitulescu, GM. Synthesis, characterization and DNA-interaction of two mononuclear Ru(III) complexes with ofloxacin and levofloxacin, *3rd European Conference on Chemistry for Life Sciences*, Frankfurt, Germany, 2-5 September 2009; Volum de rezumate ISBN 978-3-936028-58-4, p. 101.
27. Aldea V, **Uivarosi, V**, Iacob D, Velescu B, Badea M, Olar R, Marinescu D, Nitulescu GM. Synthesis and structural properties of VO(IV) complexes with some flavonoid compounds, *3rd European Conference on Chemistry for Life Sciences*, Frankfurt, Germany, 2-5 September 2009; Volum de rezumate ISBN 978-3-936028-58-4, p. 102.
28. Aldea V, **Uivarosi V**, Velescu B. The synthesis and characterization of some new ruthenium and iron compounds, *8<sup>th</sup> International Symposium on Pharmaceutical Sciences (ISOPS-8)*, Ankara, Turkey, 13-16 June 2006; Volum de rezumate ISBN 975-482-715-X, p. 334.
29. **Uivarosi V**. Noi metode titrimetrice de dozare a unor antibiotice cu nucleu fluorochinolonice. *Simpozionul "Perspective în practica farmaceutică*, Oradea 10-12 martie 2005, Volumul II al lucrărilor publicate in extenso, ISBN 973-613- 780-5, p. 44-51.
30. **Uivarosi V**, Aldea V. "Chemistry. Metalloids and metals", a translation by Prof. Adolf Trausch, an important source of documentation. *Al 36-lea Congres Internațional de Istoria Farmaciei*, Sinaia, 24-27 septembrie 2003, Volumul lucrărilor publicate in extenso, ISBN 973-7622-06-5, p. 288-290.
31. Aldea V, **Uivarosi V**, Niculescu O. Sinteza și caracterizarea unor polioxometalați ce conțin Se (IV), *Al XII-lea Congres Național de Farmacie*, București, 17-19 octombrie 2002; Volum de rezumate ISBN 973-85885-2-9, p. 155.
32. Constantinescu C, **Uivarosi V**. Contribuții la studiul analitic al unor substanțe medicamentoase pe baza reacției cu sarea Reinecke, *Al XII-lea Congres Național de Farmacie*, București, 17-19 octombrie 2002; Volum de rezumate ISBN 973-85885-2-9, p. 282.
33. Mândruță C, **Uivarosi V**, Șaramet G. Determinarea ofloxacinei și norfloxacinei prin HPLC, *Al XII-lea Congres Național de Farmacie*, București, 17-19 octombrie 2002; Volum de rezumate ISBN 973-85885-2-9, p. 295.
34. Chirigiu L, Radu S, Dumitrescu I, Aldea V, **Uivarosi V**. Noi metode de determinare a doxepinei din fiolele injectabile-; *Al XII-lea Congres Național de Farmacie*, București, 17-19 octombrie 2002; Volum de rezumate ISBN 973-85885-2-9, p. 305.

### **III.3. Lucrări prezentate la conferințe de specialitate, publicate in extenso sau în rezumat în volume fără ISBN/ISSN**

35. Kara A, Anuța V, Bărbuceanu SF, Nițulescu GM, Ozturk, Pehlivan S, Sahin S, Sarisozen C, **Uivarosi V**, Velescu BS, Vural I. Cytotoxicity of some new ruthenium (III) complexes with improved solubility conjugated with quinolone. *17th International Pharmaceutical Technology Symposium-IPTS*, Antalya, Turkey, September 8-10 2014; Volum de rezumate, p. 211 – 213
36. Velescu B, Munteanu A, Mușat M, Anuța V, **Uivarosi V**. A novel therapeutic perspective for ruthenium (III) – norfloxacin complex with cytotoxic properties. *17th International Pharmaceutical Technology Symposium-IPTS*, Antalya, Turkey, September 8-10 2014; Volum de rezumate, p. 263 – 264
37. Anuța V, Sahin S, **Uivarosi V**, Velescu BS, Vural I. Pharmacokinetic evaluation of a novel ruthenium (III) – norfloxacin complex, as potential therapeutic agent. *17th International Pharmaceutical Technology Symposium-IPTS*, Antalya, Turkey, September 8-10 2014; Volum de rezumate, p. 272 – 274
38. Olar R, Badea M, Calu L, Daniliuc C-G, Fălcescu D, Chifiriuc MC, Măruțescu L, **Uivarosi V**. Insight on physico-chemical structural and anti-biofilm activity of Co(II) complexes with 5,7-dimethyl-1,2,4-triazolo[1,5-a]pyrimidine. *European Chemistry Congress - 5th EuCheMS*, Istanbul, Turkey, August 31 - September 4 2014; Volum de rezumate, p. 756
39. Badea M, Olar R, Vlaicu ID, Marinescu D, Chifiriuc MC, **Uivarosi V**. New biologic active Cu(II) complexes with 2-ethylimidazole. *European Chemistry Congress - 5th EuCheMS*, Istanbul, Turkey, August 31 - September 4 2014; Volum de rezumate, p. 757
40. Badea M, Olar R, Marinescu D, **Uivarosi V**. New quinolone ruthenium (III) complexes with potential biological activity. *European Chemistry Congress - 5th EuCheMS*, Istanbul, Turkey, August 31 - September 4 2014; Volum de rezumate, p. 759
41. **Uivarosi V**, Badea M, Olar R. Synthesis and characterization of the sodium salts of some Ru(III) complexes with quinolone antibiotics. *European Chemistry Congress - 5th EuCheMS*, Istanbul, Turkey, August 31 - September 4 2014; Volum de rezumate, p. 1240
42. **Uivarosi V**, Badea M, Olar R, Velescu BS, Barbuceanu SF. Synthesis and characterization of novel VO(IV) complexes with some flavanone derivatives. *European Chemistry Congress - 5th EuCheMS*, Istanbul, Turkey, August 31 - September 4 2014; Volum de rezumate, p. 1241
43. Mihaila MA, Bostan M, Matei GG, **Uivarosi V**, Brasoveanu LI. Evaluation of anti-proliferative activity of ruthenium (III) compounds on human cancer cell lines using RTCA - xCELLigence System. *15<sup>th</sup> International Congress of Immunology*, Milan, Italy, August 22-27 2013; Volum de rezumate, p. 934

44. **Uivarosi V**, Olar R, Badea M, Chifiriuc CM. Antimicrobial activity of some new Ru(III) chelates with quinolone derivatives. *II International Conference on Antimicrobial Research – ICAR 2012*, Lisbon (Portugal) 21-23 November 2012; Volum de rezumate, p. 486
45. **Uivarosi V**, Badea M, Olar R, Chifiriuc CM. Antimicrobials based on some new Ru(III) antitumor agents. *II International Conference on Antimicrobial Research – ICAR 2012*, Lisbon (Portugal) 21-23 November 2012; Volum de rezumate, p. 489
46. Olar R, Badea M, Patrascu F, Marinescu D, **Uivarosi V**, Chifiriuc CM. Complexes of Ni(II) and Cu(II) with ligands derived from N,N-dimethylbiguanide as new effective antimicrobial agents. *II International Conference on Antimicrobial Research – ICAR 2012*, Lisbon (Portugal) 21-23 November 2012; Volum de rezumate, p. 499
47. Badea M, Olar R, Vlaicu I, Marinescu D, **Uivarosi V**, Chifiriuc CM. New copper (II) complexes with 5,6-dimethylbenzimidazole as effective antimicrobial species. *II International Conference on Antimicrobial Research – ICAR 2012*, Lisbon (Portugal) 21-23 November 2012; Volum de rezumate, p. 517
48. Velescu B.S., Anuta V., Dinu-Pîrvu C., **Uivarosi V**. Preformulation studies for incorporating of a new ruthenium (III) complex with enrofloxacin in topical fomulations. *16th International Pharmaceutical Technology Symposium (IPTS 2012)*, Antalya, Turkey September 10 – 12 2012; Volum de rezumate, p. 235 – 237
49. Anuta V, Dinu-Pirvu C, Ghica M, Ferdeş M, Velescu BS, **Uivarosi V**. Development and characterization of lipid nanostructured systems for controlled release and delivery of some therapeutical low solubility bioproducts. *16th International Pharmaceutical Technology Symposium (IPTS 2012)*, Antalya, Turkey September 10 – 12 2012; Volum de rezumate, p. 233 – 234
50. Nicolae A, Arsene AL, **Uivarosi V**, Drăgoi C, Draganescu D, Mitrea N. In vitro studies regarding the influence of some new lantanides derivatives on SH-SY5Y cell line P-glycoprotein activity. *13th International Congress of SRFTTC*, Poiana Brasov, Romania June 11<sup>th</sup> -14<sup>th</sup> 2012; Volum de rezumate, p. 108
51. Velescu BS, Anuța V, Negreș S, **Uivarosi V**. Pharmacodynamic and pharmacokinetic evaluation of a novel Vanadyl-chrysin complex. *13th International Congress of SRFTTC*, Poiana Brasov, Romania June 11<sup>th</sup> -14<sup>th</sup> 2012; Volum de rezumate, p. 150
52. Dinu Pîrvu CE, **Uivarosi V**, Ghica M, Văleanu A. Development of some therapeutical cosolvent systems for increasing the solubility of a new ruthenium (III) complex with enrofloxacin. *13th International Congress of SRFTTC*, Poiana Brasov, Romania June 11<sup>th</sup> -14<sup>th</sup> 2012; Volum de rezumate, p. 151
53. Badea M, Olar R, Marinescu D, Aldea V, **Uivarosi V**. Thermal behaviour of some vanadyl complexes with flavonoid derivatives as potential insulin mimetic agents, *ESTAC 10*, Rotterdam, Holland, 21.08-28.08.2010; Volum de rezumate, p. 52

54. Badea M, Olar R, Marinescu D, **Uivarosi V**, Aldea V. Thermal behaviour of some ruthenium complexes with fluoroquinolone derivatives as potential antitumor agents, *ESTAC 10*, Rotterdam, Holland, 21.08-28.08, 2010; Volum de rezumate, p. 51
55. **Uivarosi V**, Aldea V, Arama CC, Monciu CM, Iacob D. Spectroscopic characterization of oxovanadium(IV)-rutin chelates, *Euroanalysis 2009*, Innsbruck, Austria, 6-10 September 2009; Volum de rezumate
56. Badea M, Olar R, Marinescu D, **Uivarosi V**, Iacob D. Synthesis, characterization and thermal study of some quinolone ruthenium(III) complexes with potential biological activity, *9<sup>th</sup> Mediteranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2009)*, Marsilia, France, 15-18 June 2009
57. Badea M., Olar R., Marinescu D., Aldea V., **Uivarosi V.**, Velescu B., Nicolescu T.O., Thermal stability of new vanadyl complexes with flavonoid derivatives displaying antibacterial and antifungal activities, *9<sup>th</sup> Mediteranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2009)*, Marsilia, France, 15-18 June 2009
58. **Uivarosi V**, Aldea V, Iacob D. The interaction of a new ciprofloxacin ruthenium(III) complex with DNA: a preliminary study, *Annual Symposium DNA damage: from causes to cures*, Robinson College, Cambridge, UK, 15 - 17 December 2008; Volum de rezumate, p. 31
59. Badea M, Olar R, Marinescu D, **Uivarosi V**, Iacob D, Aldea V, Velescu B, Nicolescu TO. Thermal stability and thermal decomposition study of ruthenium(III) complexes with some quinolone family members with potential biological activity, *14th International Congress on Thermal Analysis and Calorimetry 14th ICTAC, VI CBRATEC*, Sao Pedro, Brazilia, 14-18 September 2008; Volum de rezumate
60. **Uivarosi V**, Iacob D, Aldea V, Velescu B, Marinescu D, Olar R, Barbuceanu S. Synthesis and characterization of ruthenium (III) complexes with some quinolone family members with potential biological activity, *XIV Brazilian Meeting on Inorganic Chemistry (BMIC2008) and I Latin American Meeting on Biological Inorganic Chemistry (LABIC2008)*, Foz do Iguacu, Brazil, 31 August –4 September 2008; Volum de rezumate, p. 349
61. **Uivarosi V**, Aldea V, Velescu B, Iacob D, Marinescu D. Badea M, Nicolescu O, Development of oxovanadium(IV)-flavonoid complexes with potential biological activity, *World Congress of Pharmacy and Pharmaceutical Sciences (68th International Congress of FIP)*, Basel, Switzerland, 29 August – 4 September 2008; Volum de rezumate, p. 250
62. Gruia MI, Negoita V, Glavan D, Vasilescu M, **Uivarosi V**, Dode C. Noi agenti oncostatici pe baza de Ruteniu si mecanismele lor de actiune, *Conferinta Societatii Romane de Radioterapie si Zilele Medicale ale Institutului Oncologic*, Bucuresti, 18-20 noiembrie 2010; Volum de rezumate, p. 27

63. Turculeț V, Nedelcu A, **Uivaroși V**. Contribuții la determinarea amitriptilinei, *Al X-lea Congres Național de Farmacie*, Cluj-Napoca, 22-24 septembrie 1994; Volum de rezumate, p. 302 – 303
64. Nacea V, Istudor V, Aldea V, Sandu D, Gârd C, **Uivaroși V**, Niculescu M. Obținerea unor substanțe terapeutice active: compușii antocian-litiu, antocian-zinc, antocian-magneziu; stabilirea compoziției și structurii chimice a compușilor, *Al X-lea Congres Național de Farmacie*, Cluj-Napoca, 22-24 septembrie 1994; Volum de rezumate, p. 173 – 174

#### **IV. Brevete acordate și cereri de brevete de invenție**

1. **Uivarosi V**, Velescu BS, Aldea V, Negres S, Olar MR. „*Compuși de oxovanadiu (IV) cu flavanone, procedeu de obținere și utilizare terapeutică*”, brevet nr. 126184 B1/2013
2. **Uivarosi V**, Gruia MI, Velescu BS, Aldea V, Badea EM. „*Compuși de ruteniu cu acțiune antutumoră și procedeu de sinteză*”, cerere de brevet nr. A 2010 01255, publicată în BOPI nr. 8/30.08.2011.
3. **Uivarosi V**. „*Săruri de sodiu ale unor complecși anionici de ruteniu(III) și procedeu de sinteză*”, cerere brevet nr. A 2012 00921, publicată în BOPI nr. 7/30.07.2013
4. Gruia MI, **Uivarosi V**, Negoită V, Vasilescu M, Dumitru M, Glăvan D, Nițu C. *Modele murine pentru evaluarea strategiilor terapeutice în cancer bazate pe compuși cu ruteniu*. Cerere de brevet nr. A 00990/16.12.2013
5. **Uivarosi V**, Nițulescu GM. *Complecși solubili de ruteniu (III) și procedeu de sinteză*. Cerere de brevet nr. A 01039/23.12.2013

#### **V. Lista citărilor lucrărilor publicate în reviste cotate ISI sau indexate BDI (126)**

Barbuceanu SF, Iliș DC, Saramet G, **Uivarosi V**, Draghici C, Radulescu V. Synthesis and antioxidant activity evaluation of new compounds from hydrazinecarbothioamide and 1,2,4-triazole class containing diarylsulfone and 2,4-difluorophenyl moieties. *Int J Mol Sci* 2014, 15(6):10908-10925; ISSN 1422-0067; citări: 7

1. Socea LI, Saramet G, Draghici C, Socea B, Constantin VD, Radu-Popescu MA. Synthesis of new derivatives of hydrazinecarbothioamides and 1,2,4-triazoles and evaluation of their antimicrobial activity. *J Serb Chem Soc* 2015 doi:10.2298/JSC150227039S
2. Mady MF, Saleh TS, El-Kateb AA, Abd El-Rahman NM, Abd El-Moez SI. Microwave-assisted synthesis of novel pyrazole and pyrazolo[3,4-d]pyridazine derivatives incorporating diaryl sulfone moiety as potential antimicrobial agents. *Research on Chemical Intermediates* 2015, 97:830-870 DOI 10.1007/s11164-015-2054-x
3. Güniz Küçükgülzel Ş, Çıkla-Süzgün P. Recent advances bioactive 1,2,4-triazole-3-thiones. *Eur J Med Chem* 2015, 97:830-870
4. Zaky R, Fekri A. Structural, spectral and DFT studies of *N*-ethyl-2-(4-(phenylamino)-4-thioxobutan-2-ylidene)hydrazinecarbothioamide complexes synthesized by ball milling. *J Mol Struct* 2015; 1079:203–213
5. Zhong W-Z, Zhou S-F. Molecular science for drug development and biomedicine. *Int J Mol Sci* 2014; 15(11):20072-20078
6. Ariffin A, Rahman NA, Yehye WA, Alhadi AA, Kadir FA. PASS-assisted design, synthesis and antioxidant evaluation of new butylated hydroxytoluene derivatives. *Eur J Med Chem*. 2014; 87:564-577.

7. Barbuceanu SF, Iliés DC, Radulescu V, Socea LI, Draghici C, Saramet G. Synthesis, characterization and antioxidant activity evaluation of some 1,3,4-thiadiazole and 1,3,4-oxadiazole compounds. *Rev Chim* 2014; 65(10):1172-1175.

**Uivarosi V, Pahonțu E, Munteanu A.** Synthesis, characterization, and fluorescent properties of new complexes of 5-hydroxyflavone with some divalent metal ions. *Rev Chim* 2014, 65(1):33-38; ISSN 0034-7752; citări:1

8. Moncomble A, Conrad J-P. Elucidation of complexation multi-equilibrium with Mg<sup>II</sup> and a multisite ligand. A combined electronic spectroscopies and DFT investigation. *RSC Adv* 2014; 4: 29050-29061.

**Uivarosi V.** Metal complexes of quinolone antibiotics and their applications: an update. *Molecules* 2013, 18(9):11153-11197; ISSN 1420-3049; citări:17

9. Belen'kii LI, Evdokimenkova, YB. The Literature of Heterocyclic Chemistry, Part XIII, 2012–2013. *Adv Heterocycl Chem* 2015, doi:10.1016/bs.aihch.2015.04.002
10. Zhang L, Kannekanti VK, SYED R, Zhang S-L, Geng R-X, Zhou C-H. Design, Synthesis, Antibacterial Evaluation of Novel Azolythioether Quinolones as MRSA DNA Intercalators. *Med Chem Commun* 2015, DOI: 10.1039/C5MD00186B
11. Komarnicka UK, Starosta R, Kyzioł A, Jezowska-Bojczuk M. Copper(I) complexes with phosphine derived from sparfloxacin. Part I – structures, spectroscopic properties and cytotoxicity. *Dalton Trans* 2015, DOI: 10.1039/C5DT01146A
12. Irgi EP, Geromichalos GD, Balala S, Kljun J, Kalogiannis S, Papadopoulos A, Turel I, Psomas G. Cobalt(II) complexes with the quinolone antimicrobial drug oxolinic acid: structure and biological perspectives. *RSC Adv*. 2015, 5:36353-36367
13. Zhang J-L, Yang J, Wang X, Zhang H-Y, Chi X-L, Chen Y, Yang Q, Xiao D-R. Syntheses and Structures of Two Novel Interdigitated Metal-Quinolone Complexes: [Cu<sub>2</sub>(cfH)<sub>2</sub>(bptc)(H<sub>2</sub>O)]·4H<sub>2</sub>O and [Zn<sub>2</sub>(levofH)<sub>2</sub>(odpa)]·5.5H<sub>2</sub>O *Z Anorg Allg Chem* 2015, 641(5): 820–825
14. Zampakou M, Balala S, Perdih F, Kalogiannis S, Turel I, Psomas GL. Structure, antimicrobial activity, albumin- and DNA-binding of manganese(II)-sparfloxacinato complexes. *RSC Adv* 2015, 5:11861-11872
15. Mjos KD, Cawthray JF, Jamieson G, Fox JA, Orvig C. Iron(III)-binding of the anticancer agents doxorubicin and vosaroxin. *Dalton Trans* 2015, 44:2348-2358
16. Shan J, Liu Y, Li R, Wu C, Zhu L, Zhang J. Indirect electrochemical determination of ciprofloxacin by anodic stripping voltammetry of Cd(II) on graphene-modified electrode. *J Electroanal Chem* 2015; 738:123-129
17. Zhou Y-J, Zhang, M-X, Hider RC, Zhou T. *In vitro* antimicrobial activity of hydroxypyridinone hexadentate-based dendrimeric chelators alone and in combination with norfloxacin. *FEMS Microbiol Lett* 2014; 355(2):124–130.
18. Feio MJ, Sousa I, Ferreira M, Cunha-Silva L, Saraiva RG, Queirós C, Alexandre JG, Claro V, Mendes A, Ortiz R, Lopes S, Amaral AL, Lino J, Fernandes P, Silva AJ, Moutinho L, de Castro B, Pereira E, Perelló L, Gameiro P. Fluoroquinolone-metal complexes: A route to counteract bacterial resistance? *J Inorg Biochem* 2014; 138:129–143.
19. Soayed AA, Refaat HM, Noor El-Din DA. Characterization and biological activity of pefloxacin-imidazole mixed ligands complexes. *Inorg Chim Acta* 2014; 421:59–66.
20. Filgueiras AL, Paschoal D, Dos Santos HF, Sant'Ana AC. Adsorption study of antibiotics on silver nanoparticle surfaces by surface-enhanced Raman scattering spectroscopy. *Spectrochim Acta A: Mol Biomol Spectrosc* 2015; 136(Part B): 979-985
21. Zhang Y-f, Dai X-j, Wang T, Chen X-y, Liang L, Qiao H, Tsai C-y, Chang L-w, Huang P-t, Hsu C-y, Chang Y-t, Tsai C-e, Zhong D-f. Effects of an Al<sup>3+</sup>- and Mg<sup>2+</sup>-containing antacid, ferrous sulfate, and calcium carbonate on the absorption of nemonoxacin (TG-873870) in healthy Chinese volunteers. *Acta Pharmacol Sin* 2014; 35:1586–1592
22. Protogeraki C, Andreadou EG, Perdih F, Turel I, Pantazaki AA, Psomas G. Cobalt(II) complexes with the antimicrobial drug enrofloxacin: Structure, antimicrobial activity, DNA- and albumin-binding. *Eur J Med Chem* 2014; 86:189–201

23. Djurdjevic P, Jakovljevic I, Joksovic L, Ivanovic N, Jelkic-Stankov M. The effect of some fluoroquinolone family members on biospeciation of copper(II), nickel(II) and zinc(II) ions in human plasma. *Molecules* 2014; 19(8):12194-12223
24. Debnath A, Hussain F, Masram DT. Synthesis, Characterization, and Antifungal Studies of Cr(III) Complex of Norfloxacin and Bipyridyl Ligand. *Bioinorg Chem Appl* 2014; Article ID 457478, 7 pages
25. Galani A, Efthimiadou EK, Mitrikas G, Sanakis Y, Psycharis V, Raptopoulo, C, Kordas G, Karaliota A. Synthesis, crystal structure and characterization of three novel copper complexes of Levofloxacin. Study of their DNA binding properties and biological activities. *Inorg Chim Acta* 2014; 423, Part A: 207-21

**Uivarosi V**, Badea M, Olar R, Draghici C, Barbuceanu SF. Synthesis and Characterization of some new complexes of magnesium (II) and zinc (II) with the natural flavonoid primuletin. *Molecules* 2013, 18(7):7631-7645; ISSN 1420-3049; citări: **4**

26. Moncomble A, Conrad J-P. Elucidation of complexation multi-equilibrium with Mg<sup>II</sup> and a multisite ligand. A combined electronic spectroscopies and DFT investigation. *RSC Adv* 2014, 4:29050-29061.
27. Singh K, Raparia S, Surain P. Co(II), Ni(II), Cu(II) and Zn(II) Complexes of 4-(4-cyanobenzylideneamino)-3-mercapto-5-oxo-1,2,4-triazine: synthesis, characterization and biological studies. *Med Chem Res* 2015, 24(6):2336-2346
28. Sanz Mendiguchia B, Aiello I, Crispini A. Zn(II) and Cu(II) complexes containing bioactive O,O-chelated ligands: homoleptic and heteroleptic metal-based biomolecules. *Dalton Trans* 2015, 44, 9321-9334
29. Alexiou ADP, Decandio CC, Almeida SN, Ferreira MJP, Romoff P, Rocha RC. A Trinuclear Oxochromium(III) Complex Containing the Natural Flavonoid Primuletin: Synthesis, Characterization, and Antiradical Properties. *Molecules*. 2015; 20(4):6310-6318.

**Uivarosi V**, Badea M, Aldea V, Chirigiu L, Olar R. Thermal and spectral studies of palladium(II) and platinum(IV) complexes with dithiocarbamate derivatives. *J Therm Anal Calorim* 2013, 111(2):1177-1182; ISSN 1388-6150; citări: **4**

30. Kalia SB, Puri R, Thakur A, Christopher J. Synthesis, characterization and thermal degradation studies on some oxovanadium(IV) carbodithioates. *J Therm Anal Calorim* 2015, 119(3):1619-1632
31. Pérez J, Serrano JL, Granados JE, Alcolea LA. Recovering palladium from its surplus complexes in research laboratories by solid state thermal treatment. *RSC Adv* 2013; 3:4558-4567
32. Díaz-Ayala R, Arroyo-Ramírez L, RG Raptis, Cabrera CR. Thermal and surface analysis of palladium pyrazolates molecular precursors. *J Therm Anal Calorim* 2014; 115(1): 479-488
33. Onwudiwe DC, Mugo JN, Hrubaru M, Hosten E. Bis diallyl dithiocarbamate Pt(II) complex: synthesis, characterization, thermal decomposition studies, and experimental and theoretical studies on its crystal structure. *J Sulfur Chem* 2015; 36(1):36-47

**Uivarosi V**, Dinu Pirvu C, Ghica M, Anuta V. Preformulation studies using cosolvent systems to increase the solubility of a new enrofloxacin ruthenium (III) complex with biological activity. *Farmacia*, 2013, 61(1):127-142; ISSN 0014-8237; citări: **2**

34. Anuta V, Nitulescu GM, Dinu-Pirvu CE, Olaru OT. Biopharmaceutical profiling of new antitumor pyrazole derivatives. *Molecules*. 2014; 19(10):16381-16401
35. Yang X-f, Liu D-y, Han Q-g, Sun Y-w, Fan G-y. Determination of Median Lethal Dose of Enrofloxacin Microemulsion in Mice. *Pak Vet J* 2015, 35(2): 155-158

Velescu BS, **Uivarosi V**, Negres S. Effect of di- $\mu$ -hydroxo-bis(quercetinatooxovanadium(IV)) complex on alloxan-induced diabetic rats. *Farmacia* 2012, 60(5):696-710; ISSN 0014-8237; citări: **2**

36. Negreş S, Chiriță C, Moroşan E, Arsene AL. Experimental pharmacological model of diabetes induction with aloxan in rat. *Farmacia* 2013; 61(2): 313-322
37. Varshosaz J, Tavakoli N, Enteshary S. Enhancement of anti-diabetic effects of gliclazide using immediate release tablets in streptozotocin-induced diabetic and normal rats. *Farmacia* 2013; 61(4): 820-836

Badea M, Olar R, **Uivarosi V**, Marinescu D, Aldea V. Synthesis and characterization of some vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim* 2012, 107(1): 279-285; ISSN 1388-6150; citări: **4**

38. Zhang J, Zhang P, Liu T, Zhou L, Zhang L, Lin R, Yang G, Wang W, Li Y. Solubility of naringin in ethanol and water mixtures from 283.15 to 318.15 K. *J Mol Liq* 2015; 203: 98-103
39. Chaudhary G, Juneja HD, Pagadala R, Gandhar NV, Gharpure MP. Synthesis, characterisation and thermal degradation behaviour of some coordination polymers by using TG-DTG and DTA techniques, *J Saudi Chem Soc* 2015, DOI doi:10.1016/j.jscs.2014.06.002
40. Bhuyar SS, Juneja HD, Paliwal LJ, Chaudhary RG. Synthesis, characterization and thermal degradation of some coordination polymers with terephthalaldehyde *bis* (S-methyldithiocarbazate). *J Chin Adv Mat Soc* 2015, 3(1):17-31
41. Sharma R, Sharma N. Thermal studies of some biologically active oxovanadium (IV) complexes containing 8-hydroxyquinolate and hydroxamate ligands. *J Therm Anal Calorim* 2012; 110(2): 539-543

**Uivarosi V**, Badea M, Olar R, Marinescu D, Nicolescu TO, Nitulescu GM. Thermal degradation behavior of some ruthenium complexes with fluoroquinolone derivatives as potential antitumor agents. *J Therm Anal Calorim* 2011, 105(2):645-650; ISSN 1388-6150; citări: **6**

42. Holló B, Krstić M, Sovilj SP, Pokol G, Szécsényi KM. Thermal decomposition of new ruthenium(II) complexes containing *N*-alkylphenothiazines. *J Therm Anal Calorim* 2011, 105(1):27-32
43. Al-Saif FA, Refat MS. Synthesis, spectroscopic, and thermal investigation of transition and non-transition complexes of metformin as potential insulin-mimetic agents. *J Therm Anal Calorim* 2013; 111(3):2079-2096
44. Refat MS, Al-Maydama H, Al-Azab FM, Amin RR, Jamil YMS. Synthesis, thermal and spectroscopic behaviors of metal-drug complexes: La(III), Ce(III), Sm(III) and Y(III) amoxicillin trihydrate antibiotic drug complexes. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 128:427-446
45. Holló B, Krstić M, Sovilj SP, Mészáros Szécsényi K. Thermal decomposition of new chlorido (*p*-cymene) ruthenium (II) complexes containing *N*-alkylphenothiazines. *J Therm Anal Calorim* 2013; 111(3):1927-1932
46. Refat MS, Al-Azab FM, Al-Maydama H, Amin RR, Jamil YMS. Synthesis and *in vitro* microbial evaluation of La(III), Ce(III), Sm(III) and Y(III) metal complexes of vitamin B6 drug. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 127:196-215
47. Debnath A, Hussain F, Masram DT. Synthesis, Characterization, and antifungal studies of Cr(III) complex of norfloxacin and bipyridyl ligand. *Bioinorg Chem Appl* 2014, Article ID 457478, 7 pages

Badea M, Olar R, **Uivarosi V**, Marinescu D, Aldea V, Barbuceanu SF, Nitulescu GM. Thermal behavior of some vanadyl complexes with flavone derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim* 2011, 105(2):559-564; ISSN 1388-6150; citări: **8**

48. Kasprzak MM, Erxleben A, Ochocki J. Properties and applications of flavonoid metal complexes. *RSC Adv* 2015, 5:45853-45877
49. Pillai SI, Subramanian SP, Kandaswamy M. A novel insulin mimetic vanadium-flavonol complex: Synthesis, characterization and *in vivo* evaluation in STZ-induced rats. *Eur J Med Chem* 2013; 63:109-117
50. Alan I, Kriza A, Badea M, Stanica N, Olar R. Synthesis and characterisation of Co(II), Ni(II), Zn(II) and Cd(II) complexes with 5-bromo-*N,N'*-bis-(salicylidene)-*o*-tolidine. *J Therm Anal Calorim* 2013; 111(1):483-490
51. Adach A, Daszkiewicz M, Cieślak-Golonka M. Cobalt(II) scorpionate-like complexes obtained from *in situ* synthesized ligand created in [Co(0)-1-hydroxymethyl-3,5-dimethylpyrazole-VOSO<sub>4</sub>-NH<sub>4</sub>SCN] system. *Polyhedron* 2012; 47(1):104-111
52. Al-Saif FA, Refat MS. Synthesis, spectroscopic, and thermal investigation of transition and non-transition complexes of metformin as potential insulin-mimetic agents. *J Therm Anal Calorim* 2013; 111(3):2079-2096
53. Refat MS, Al-Maydama H, Al-Azab FM, Amin RR, Jamil YMS. Synthesis, thermal and spectroscopic behaviors of metal-drug complexes: La(III), Ce(III), Sm(III) and Y(III) amoxicillin trihydrate antibiotic drug complexes. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 128: 427-446



54. Refat MS, Al-Azab FM, Al-Maydama H, Amin RR, Jamil YMS. Synthesis and in vitro microbial evaluation of La(III), Ce(III), Sm(III) and Y(III) metal complexes of vitamin B6 drug. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 127:196–215
55. Badea M, Olar R, Iliş M, Georgescu R, Călinescu M. Synthesis, characterization, and thermal decomposition of new copper (II) complex compounds with chlorhexidine. *J Therm Anal Calorim* 2013; 111(3):1763-1770

**Uivarosi V, Barbuceanu SF, Aldea V, Arama CC, Badea M, Olar R, Marinescu D. Synthesis, spectral and thermal studies of new rutin vanadyl complexes. *Molecules* 2010, 15(3):1578-1589; ISSN 1420-3049; citări: 24**

56. Sulaiman GM. In vitro study of molecular structure and cytotoxicity effect of luteolin in the human colon carcinoma cells. *Eur Food Res Technol* 2015, 241(1): 83-90
57. Nafees S, Rashid S, Ali N, Hasan SK, Sultana S. Rutin ameliorates cyclophosphamide induced oxidative stress and inflammation in Wistar rats: Role of NFκB/MAPK pathway. *Chem Biol Interact* 2015,231:98–107
58. Roy S, Majumdar S, Singh AK, Ghosh B, Ghosh N, Manna S, Chakraborty T, Mallick S. Synthesis, Characterization, Antioxidant Status, and Toxicity Study of Vanadium–Rutin Complex in Balb/c Mice. *Biol Trace Element Res* DOI 10.1007/s12011-015-0270-2
59. El-Habeeb AA. Synthesis, spectroscopic, thermal, electrical conductivity and antimicrobial interpretations of new VO(II), Zn(II), Pd(II), Au(III) and Pt(IV) complexes with hypertensive atenolol drug. *Orient J Chem* 2014, 30(4)
60. Arjumand W, Seth A, Sultana S. Rutin attenuates cisplatin induced renal inflammation and apoptosis by reducing NFκB, TNF-α and caspase-3 expression in wistar rats. *Food Chem Toxicol* 2011, 49(9):2013–2021
61. Prabu SM, Muthumani M. Silibinin ameliorates arsenic induced nephrotoxicity by abrogation of oxidative stress, inflammation and apoptosis in rats. *Mol Biol Rep* 2012; 39(12):11201-11216
62. Sarkar S, Dey K. A series of transition and non-transition metal complexes from a N<sub>4</sub>O<sub>2</sub> hexadentate Schiff base ligand: Synthesis, spectroscopic characterization and efficient antimicrobial activities. *Spectrochim Acta A: Mol Biomol Spectrosc* 2010; 77(4):740–748
63. Rajendran M, Mahalakshmi M, Ramya R, Devapiriam D. A semi-empirical study of flavone compounds with antioxidant efficiency. *Afr J Pharm Pharmacol* 2011, 5(19):2140-2144
64. León IE, Di Virgilio AL, Barrio DA, Arrambide G, Gambino D, Etcheverry SB. Hydroxylamido–amino acid complexes of oxovanadium(v). Toxicological study in cell culture and in a zebrafish model. *Metallomics* 2012, 4:1287-1296
65. He F, Hu R, Li R, Lin Y, Niu A, Wu D. The complexation mode of metal ions with Langmuir monolayers of nitrogen-containing flavonoid glycoside-based surfactants derived from rutin. *Colloids Surf B: Biointerfaces* 2011, 84(1):233–240
66. Selvaraj S, Krishnaswamy S, Devashya V, Sethuraman S, Krishnan UM. Flavonoid-metal ion complexes: a novel class of therapeutic agents. *Med Res Rev* 2014, 34(4):677–702
67. Zhail G-y, Qu W-t, Yan Z-t, Zhu W, Duan Y-d, Wang J-p. Synthesis, spectral and antioxidant properties of tin(II)-rutin complex. *Chem Nat Compd* 2014, 50(4):624-628
68. Sanna D, Ugone V, Lubinu G, Micera G, Garribba E. Behavior of the potential antitumor V<sup>IV</sup>O complexes formed by flavonoid ligands. 1. Coordination modes and geometry in solution and at the physiological pH. *J Inorg Biochem* 2014, 140:173–184
69. Sumrra SH, Chohan ZH. Antibacterial and antifungal oxovanadium(IV) complexes of triazole-derived Schiff bases. *Med Chem Res* 2013, 22(8):3934-3942
70. Selvaraj S, Krishnaswamy S, Devashya V, Sethuraman S, Krishnan UM. Investigations on the membrane interactions of naringin and its complexes with copper and iron: implications for their cytotoxicity. *RSC Adv* 2014, 4:46407-46417
71. Gheno G, de Souza Basso NR, Ceschi MA, Livotto PR, Nascimento AA, da Rocha ZN, Galland GB. Flavone complexes of Ti and Zr active in ethylene polymerization. *Appl Cat A: Gen* 2013; 467:439–449
72. Jabeen M, Ali S, Shahzadi S, Sharma SK, Qanungo K. Synthesis, characterization, theoretical study and biological activities of oxovanadium (IV) complexes with 2-thiophene carboxylic acid hydrazide. *J Photochem Photobiol B: Biol* 2014; 136:34–45

73. Panhwar QK, Memon S. Synthesis, characterisation, and antioxidant study of Cr(III)-rutin complex. *Chem Papers* 2014; 68:614-623
74. Roy S, Mallick S, Chakraborty T, Ghosh N, Singh AK, Manna S, Majumdar S. Synthesis, characterization and antioxidant activity of luteolin-vanadium (II) complex. *Food Chem* 2015; 173:1172–1178
75. Panhwar QK, Memon S. Synthesis, characterization and antioxidant study of Tin(II)-rutin complex: Exploration of tin packaging hazards. *Inorg Chim Acta* 2013; 407:252–260
76. Madhurantakam S, Selvaraj S, Nesakumar N, Sethuraman S, Balaguru Rayappan JB, Maheswari Krishnan U. Electrochemical enzymeless detection of superoxide employing naringin-copper decorated electrodes. *Biosens Bioelectron* 2014, 59:134–139
77. El-Megharbel SM, Hamza RZ, Refat MS. Synthesis, spectroscopic, structural and thermal characterizations of vanadyl(IV) adenine complex prospective as antidiabetic drug agent. *Spectrochim Acta A: Mol Biomol Spectrosc* 2015; 135:850-864
78. Selvaraj S, Krishnaswamy S, Devashya V, Sethuraman S, Krishnan UM. Membrane fluidization & cryptotic properties of hesperidin-copper complex. *RSC Adv* 2012, 2:11138-11146
79. Selvaraj S, Krishnaswamy S, Devashya V, Sethuraman S, Krishnan UM. Investigations on membrane perturbation by chrysin and its copper complex using self-assembled lipid bilayers. *Langmuir* 2011; 27: 13374- 13382

Badea M, Olar R, Marinescu D, **Uivarosi V**, Aldea V, Nicolescu TO. Thermal stability of new vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents. *J Therm Anal Calorim* 2010, 99(3):823-827; ISSN 1388-6150; citări: **13**

80. Roy S, Majumdar S, Singh AK, Ghosh B, Ghosh N, Manna S, Chakraborty T, Mallick S. Synthesis, Characterization, Antioxidant Status, and Toxicity Study of Vanadium-Rutin Complex in Balb/c Mice. *Biol Trace Element Res* DOI 10.1007/s12011-015-0270-2
81. Roy S, Mallick S, Chakraborty T, Ghosh N, Singh AK, Manna S, Majumdar S. Synthesis, characterization and antioxidant activity of luteolin-vanadium (II) complex. *Food Chem* 2015; 173:1172–1178
82. Pillai SI, Subramanian SP, Kandaswamy M. A novel insulin mimetic vanadium-flavonol complex: Synthesis, characterization and *in vivo* evaluation in STZ-induced rats. *Eur J Med Chem* 2013; 63:109–117
83. Alan I, Kriza A, Badea M, Stanica N, Olar R. Synthesis and characterisation of Co(II), Ni(II), Zn(II) and Cd(II) complexes with 5-bromo-*N,N'*-bis-(salicylidene)-*o*-tolidine. *J Therm Anal Calorim* 2013; 111(1):483-490
84. Sharma N, Kumari M, Sharma R. Thermoanalytical studies of oxovanadium(IV)hydroxamate complexes. *J Therm Anal Calorim* 2012;107(1):225-229
85. Selvaraj S, Sridharan K, Venkappayya D, Sethuraman S, Maheswari Krishan U. Synthesis, characterization and DNA binding properties of rutin-iron complex. *RSC Adv* 2012, 2(7): 2797-2802
86. Yasarawan N, Thipyapong K, Sirichai S, Ruangpornvisuti V. Synthesis of chromium(III) complex with 1-hydroxy-2-pyridinone-6-carboxylic acid as insulin-mimetic agent and its spectroscopic and computational studies. *J Mol Struct* 2013; 1031:144-151
87. Yasarawan N, Thipyapong K, Sirichai S, Ruangpornvisuti V. Fundamental insights into conformational stability and orbital interactions of antioxidant (+)-catechin species and complexation of (+)-catechin with zinc(II) and oxovanadium(IV). *J Mol Struct* 2013; 1047:344–357
88. Parthiban S, Anandalakshmi H, Senthilkumar S, Karthikeyan V, Mojumdar SC. Influence of Vo(II) doping on the thermal and optical properties of magnesium rubidium sulfate hexahydrate crystals. *J Therm Anal Calorim* 2012; 108(3): 881-885
89. Pieniążek E, Kalembkiewicz J, Dranka M, Woźnicka E. Syntheses, crystal structures and antioxidant study of Zn(II) complexes with morin-5'-sulfonic acid (MSA). *J Inorg Biochem* 2014; 141:180–187
90. Sanna D, Ugone V, Lubinu G, Micera G, Garribba E. Behavior of the potential antitumor V<sup>IV</sup>O complexes formed by flavonoid ligands. I. Coordination modes and geometry in solution and at the physiological pH. *J Inorg Biochem* 2014, 140:173–184
91. Jabeen E, Janjua NK, Hameed S. β-Cyclodextrin assisted solubilization of Cu and Cr complexes of flavonoids in aqueous medium: A DNA-interaction study. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 128:191–196
92. Naso LG, Lezama L, Rojo T, Etcheverry SB, Valcarcel M, Roura M, Salado C, Ferrer EG, Williams PAM. Biological evaluation of morin and its new oxovanadium(IV) complex as antio-xidant and specific anti-cancer agents. *Chem Biol Interact* 2013, 206(2):289–301

Badea M, Olar R, Marinescu D, **Uivarosi V**, Nicolescu TO, Iacob D. Thermal study of some new quinolone ruthenium(III) complexes with potential cytostatic activity. *J Therm Anal Calorim* 2010, 99(3):829-834; ISSN 1388-6150; citări: **9**

93. Patel MN, Karia PS, Vekariya PA, Patidar AP. Synthesis, characterization and biological elucidation of mixed ligand Cu(II) complexes as artificial metallo-nucleases. *J. Pharm Sci Emerg Drugs* 2015, 3(1):1-10
94. Carcelli M, Bacchi A, Pelagatti P, Rispoli G, Rogolino D, Sanchez TW, Sechi M, Neamati N. Ruthenium arene complexes as HIV-1 integrase strand transfer inhibitors. *J Inorg Biochem* 2013, 118:74-82
95. Jingyan S, Zhiyong W, Yuwen L, Cunxin W. Investigation of thermal behavior of enoxacin and its hydrochloride. *J Therm Anal Calorim* 2012; 108(1):299-306
96. Holló B, Krstić M, Sovilj SP, Pokol G, Szécsényi KM. Thermal decomposition of new ruthenium(II) complexes containing *N*-alkylphenothiazines. *J Therm Anal Calorim* 2011; 105(1):27-32
97. Patel MN, Bhatt BS, Dosi PA. Thermal, spectral, and thermodynamic studies for evaluation of calf thymus DNA interaction activity of some copper(II) complexes. *J Therm Anal Calorim* 2012, 107(1):55-64
98. Kharadi GJ. Effect of substituent of terpyridines on the *in vitro* antioxidant, antitubercular, biocidal and fluorescence studies of copper(II) complexes with clioquinol. *Spectrochim Acta A: Mol Biomol Spectrosc* 2014; 117:662-668
99. Patel MN, Patidar AP. DNA interactions and promotion in antibacterial activities of the norfloxacin drug due to formation of mixed-ligand copper(II) complexes. *Monatsh Chem* 2014; 145(2):369-381
100. Shi J, Wang Z, Liu Y, Wang C. Investigation of thermal behavior of enoxacin and its hydrochloride. *J Therm Anal Calorim* 2012; 108(1):299-306
101. Rusu A, Gyéresi Á, Hancu G. New Perspectives: Quinolones as Complexation Agents. *Acta Med Marisiensis* . 2011, 57(2):49-154

Dinu M, **Uivarosi V**, Popescu ML, Radulescu V, Arama CC, Nicolescu TO, Ancuceanu RV. Proximate composition and some physico-chemical properties of *Abutilon theophrasti* (velvetleaf) seed oil. *Rev Chim* 2010, 61(1):50-54; ISSN 0034-7752; citări: **2**

102. Mamadalieva NZ, Sharopov F, Girault JP, Wink M, Lafont R. Phytochemical analysis and bioactivity of the aerial parts of *Abutilon theophrasti* (Malvaceae), a medicinal weed. *Nat Prod Res* 2014; 28(20): 1777-1779
103. Crisan, CC, Calinescu I, Dobre T, Zalaru, C. Calculation of separation processes used for the extraction of active principles from fruits of *Coreopsis tinctoria* Nutt. *Rev Chim* 2013; 64(4):366-371

Lupsor S, **Uivarosi V**, Iovu M. Rapid synthesis of azole amins under microwave heating conditions. *Rev Chim* 2010, 61(3):333-335; ISSN 0034-7752; citări: **3**

104. Aonofriesei F, Lupsor S. Inhibitory potential of a novel imidazole derivative as evaluated by time-kill and dehydrogenase activity. *Curr Microbiol* 2013, 66(2):162-168
105. Lupsor S, Aonofriesei F, Iovu M. Antibacterial activity of amins and hemiaminals of pyrazole and imidazole. *Med Chem Rev* 2012, 21(10):3035-3042
106. Lupsor S, Tarcomnicu I, Aonofriesei F, Iovu M. Microwave-assisted synthesis of 1-hydroxymethylazoles. *Rev Chim* 2011; 62(5):493-498

Badea M, Olar R, Marinescu D, **Uivarosi V**, Iacob D. Thermal decomposition of some biologically active complexes of ruthenium (III) with quinolone derivatives. *J Therm Anal Calorim* 2009, 97(2):735-739; ISSN 1388-6150; citări: **2**

107. Carcelli M, Bacchi A, Pelagatti P, Rispoli G, Rogolino D, Sanchez TW, Sechi M, Neamati N. Ruthenium arene complexes as HIV-1 integrase strand transfer inhibitors. *J Inorg Biochem* 2013, 118:74-82
108. Tanimoto MK, Dias K, Dovidauskas S, Nikolaou S. Tuning the reaction products of ruthenium and ciprofloxacin for studies of DNA interactions. *J Coord Chem* 2012, 65(9): 1504-1517

**Uivarosi V**, Monciu CM. Studies on the gravimetric and spectrophotometric analysis of norfloxacin using ammonium reineckate. *Rev Chim* 2009, 60(2):132-136; ISSN 0034-7752; citări: **8**

109. Poppel T, Thiele P, Mei-Bo T, Zhao J-T, Köckerling M. Low-Melting Imidazolium-Based Salts with the Paramagnetic Reineckate-Analogue Anion  $[\text{Cr}(\text{NCS})_4(\text{bipy})]^-$  (bipy = 2,2'-Bipyridine): Syntheses, Properties, and Structures. *Inorg. Chem* 2014; DOI: 10.1021/ic502358b
110. Asaftei IV, Alexandroaei M, Birsa ML, Luca AC, Gradinaru R, Lungu NC. The action of a penicillinase with attenuated activity on a penicillin G substrate. *Rev Chim* 2014; 65(8):903-906
111. Chim R, Marceneiro S, Braga MEM, Dias A, de Sousa HC. Solubility of norfloxacin and ofloxacin in supercritical carbon dioxide. *Fluid Phase Equilib* 2012, 331:6-11
112. Elmasry MS, Elazazy MS, Hassan WS. Utilization of ion-associate formation in spectroscopic and conductometric determination of mebeverine hydrochloride in pharmaceutical formulations. *Int J Electrochem Sci* 2013; 8(3):3888-3901
113. Elazazy MS, Hassan WS, Elmasry MS. Spectroscopic and conductometric characterization of the ion-pairs constituted by oxyphenonium bromide in aqueous solutions. *Anal Bioanal Electrochem* 2013; 5(5):574-587
114. Poppel T, Schmidt C, Köckerling M. Synthesis, Properties, and Structures of Salts with the Reineckate Anion,  $[\text{Cr}^{\text{III}}(\text{NCS})_4(\text{NH}_3)_2]^-$ , and Large Organic Cations. *Z Anorg Allg Chem* 2011, 637(10):1314-1321
115. Poppel T, Thiele P, Köckerling M. Low-melting salts with the  $[\text{Cr}^{\text{III}}(\text{NCS})_4(1,10\text{-phenanthroline})]^-$  complex anion: Syntheses, properties, and structures. *Russ J Coord Chem* 2012, 38(3):207-218
116. Turcuman (Antighin) S, Sibiescu D, Rosca I, Cretescu I, Secula MS. Synthesis and characterization of some coordination compounds of Mn(II), Co(II) and Fe(III) with 1-(3 bromine, 2 hydroxy, 4 methylphenyl)-2-(4 bromine-phenyl-sulphanyl)-ethanone. *Rev Chim* 2010, 61(10): 951-956

Velescu BS, **Uivarosi V**, Anuta V, Buzescu A, Negres S. Pharmacodynamic and pharmacokinetic studies on novel vanadyl chrysin complex. *Stud Univ Vasile Goldis Arad Ser Stiint Vietii* 2012, 22(4):525-530; ISSN: 1584-2363; citări: **1**

117. Xiao J, Zhai H, Yao Y, Wang C, Jiang W, Zhang C, Simard AR, Zhang R, Hao J. Chrysin attenuates experimental autoimmune neuritis by suppressing immuno-inflammatory responses. *Neuroscience* 2014, 262:156-64

Arsene AL, **Uivarosi V**, Mitrea N, Dragoi CM, Nicolae A, The binding properties of some novel ruthenium (III) complexes with human serum transferrin, *Biopolymers and Cell* 2011, 27 (2), 141 – 146; ISSN: 0233-7657; citări: **1**

118. Śpiewak K, Brindell M. Impact of low- and high-molecular-mass components of human serum on NAMI-A binding to transferrin. *J Biol Inorg Chem* 2015, 20(4):695-703

**Uivarosi V**, Aramă C, Contributions to the spectrophotometric analyses of norfloxacin, *Farmacia* 2002, 50(3), 71-77; ISSN 0014-8237; citări: **1**

119. Mohamed AEMI, Abdelmageed OH, Ibrahim RH. Determination of two antibacterial binary mixtures by chemometrics-assisted spectrophotometry. *J AOAC Int* 2007, 90(1):128-141(14)

**Uivarosi V**, Neagoe S, Aldea V, Nițulescu A, Structure and antimicrobial activity of some new norfloxacin and ofloxacin divalent metal ion complexes, *Roum Arch Microbiol Immunol* 2001, 60(3):267-277; ISSN: 1222-3891; citări: **4**

120. Bharti SK, Patel SK, Nath G, Tilak R, Singh SK. Synthesis, characterization, DNA cleavage and in vitro antimicrobial activities of copper(II) complexes of Schiff bases containing a 2,4-disubstituted thiazole. *Trans Met Chem* 2010; 35 (8):917-925
121. Sekhon BS, Gandhi L. Synthesis and characterization of metal complexes of some antibacterial drugs. *Int J ChemTech Res* 2010; 2(1):286-288
122. Sekhon BS, Srivastava J. Synthesis and characterization of metal complexes of flumequine, oxolinic acid, ofloxacin and ciprofloxacin *J Indian Chem Soc* 2007, 84(12):1205-1209

123.Kolář M, Jedličková A. Perspektivy antimikrobiální léčby v blízké a vzdálenější budoucnosti | [Prospectives of antimicrobial therapy in the near and far future] *Anesteziol Intenz Med* 2007 18 (2):103-112

Aldea V, **Uivarosi V**, Carp N, Carp S, Studiul prin spectrofotometrie derivativă de absorbție a interacțiunii benzilpenicilinei în soluții apoase cu ionul  $\text{Cr}^{3+}$ . *Farmacia*, 47(6), 15-26 (1999); ISSN 0014-8237; citări: **1**

124.Bosch Ojeda C, Sanchez Rojas F. Recent developments in derivative ultraviolet/visible absorption spectrophotometry. *Anal Chim Acta* 2005, 518(1-2) :1–24

Margina D, Velescu B, **Uivarosi V**, Aldea V, Negres S, Mitrea N. Evaluation of insulin-mimetic activity of new vanadyl-flavonoid complexes in alloxan induced diabetes. *35<sup>th</sup> FEBS Congress*, Goteborg, Sweden, 26 June-1 July 2010. *FEBS Journal* 2010, 277 (Suppl. 1), p. 61; citări: **2**

125.Yasarawan N, Thipyapong K, Sirichai S, Ruangpornvisuti V. Synthesis of chromium(III) complex with 1-hydroxy-2-pyridinone-6-carboxylic acid as insulin-mimetic agent and its spectroscopic and computational studies. *J Mol Struct* 2013, 1031:144-151

126.Gao Z, Zhang C, Yu S, Yang X, Wang K. Vanadyl bisacetylacetonate protects  $\beta$  cells from palmitate-induced cell death through the unfolded protein response pathway. *J Biol Inorg Chem* 2011, 16(6):789-798