

LIST OF PUBLICATIONS

(in reverse chronological order)

I. BOOKS

1. IN ROMANIAN LANGUAGE IN ROMANIAN PUBLISHING HOUSES

A. BOOKS AND TREATISES

24. **Gârban Z.** – *Xenobiocimia în științele agricole și știința alimentului*, (LII+514 pag.), Editura Solness, Timișoara, 2011 (ISBN 978-973-729-275-9)
23. **Gârban Z.** - *Biologie moleculară: Concepte, metode, aplicații*, ediția 6-a (LXIX + 506 pag.), Editura Solness, Timișoara, 2009 (ISBN 978-973-729-179-0).
22. **Avacovici Adina - Elena, Gârban Z.** – *Biochimie structurală* (VIII + 176 pag), Editura Eurobit, Timișoara, 2008 (ISBN 978-973-620-367-1).
21. **Gârban Z.** - *Biochimie: Tratat comprehensiv*. Vol. IV. Xenobiocimie, ediția 2-a (LXIV + 572 pag), Editura Editura Didactică și Pedagogică R.A., București, 2007 (ISBN general 973-30-2757-X; (10) 973-30-1572-5; (13) 978-973-30-1572-7).
20. **Velciov Ariana - Bianca, Gârban Z.** – *Biochimia glucidelor* (II + 121 pag), Editura Eurobit, Timișoara, 2007 (ISBN 978-973-620-326-8).
19. **Gârban Z., Gârban Gabriela** (Editori) - *Biochimie: Tratat comprehensiv*. Vol. III. Metabolisme, ediția 3-a (LX + 504 pag.), Editura Orizonturi universitare, Timișoara, 2005 (ISBN 973-638-248-6)
18. **Gârban Z.** - *Xenobiocimie: Tratat comprehensiv*. Vol. IV (XLVI + 472 pag), Editura Eurobit, Timișoara, 2005 (ISBN 973-620-020-5).
17. **Gârban Z.** - *Biologie moleculară*, ediția 5-a (LVI+534 pag.), Editura Eurobit, Timișoara, 2005 (ISBN 973-620-159-7).
16. **Gârban Z.** - *Biochimie: Tratat comprehensiv*. Vol.I. Bazele biochimiei, ediția 3-a (LXXXII + 770 pag.), Editura Orizonturi universitare, Timișoara, 2004 (ISBN 973-638-145-5)
15. **Gârban Z.** - *Xenobiotice chimice de interes alimentar* (XLII+424 pag.), Editura Eurobit, Timișoara, 2004 (ISBN 973-620-133-3).
14. **Gârban Z.** (Editor) - *Biochimie: Tratat comprehensiv*. Vol.III. Metabolisme, ediția 2-a (XLVIII + 460 pg), Editura Didactică și Pedagogică R.A., București 2004 (ISBN 973-30-2599-2) Contributori: Gârban Zeno, Gârban Gabriela, Avacovici Adina-Elena, Ahmadi-Vincu Mirela, Aumüller Corina, Ehling Ștefan, Popescu Sofia- Georgeta.
13. **Avacovici Adina – Elena, Martău Ariana – Bianca, Gârban Z.** – *Biologie moleculară: metode specifice și aplicații* (XI+178 pg), Editura Eurobit, Timișoara, 2003 (ISBN 973-620-089-2)
12. **Gârban Z., Gârban Gabriela** – *Nutriția umană*, Vol. I, Probleme fundamentale (XXX + 368 pg), ediția 3-a, Editura Orizonturi universitare, Timișoara, 2003 (ISBN 973-638-091-2)
11. **Mânzatu I., Vior C.E., Jurcoane Ștefana, Pană C.O., Gârban Z., Popa V.I., Șonea A., Pop I.M., Bogdan A.T.** – *Dicționar explicativ de biotehnologie*, Vol. 1, Litere A-C, (480 pg) integrat în Dicționar explicativ de Biotehnologie Vol.1-8 (A–Z), Editori coordonatori **Mânzatu I., Bogdan A.T.**, Editura Global, București, 2003 (ISBN 973-86251-2-2)
10. **Gârban Z.** - *Biochimie: Tratat comprehensiv*. Vol.II. Efectori biochimici, ediția 2-a (XL + 302 pag), Editura Didactică și Pedagogică R.A., București, 2002 (ISBN 973-30-2415-15)
9. **Gârban Z.** - *Biologie moleculară: Probleme fundamentale și aplicative*, ediția 4-a (LIII + 524 pag.), Editura Eurobit, Timișoara, 2001 (ISBN 973-9336-30-8)
8. **Gârban Z.** (Editor) – *Biochimie: Tratat comprehensiv*. Vol. III. Metabolisme (XXXVI + 308 pag.), Editura Eurobit, Timișoara, 2001 (ISBN 973-8181-72-0). Contributori: Gârban Zeno, Gârban Gabriela, Avacovici Adina, Ahmadi-Vincu Mirela
7. **Gârban Z.** - *Nutriția umană*. Vol.I. *Probleme fundamentale*, ediția 2-a (XXXVI + 356 pag.), Editura Didactică și Pedagogică R.A., București, 2000 (ISBN 973-30-3839-3)
6. **Gârban Z.** - *Biochimie: Tratat comprehensiv*. Vol.I. Bazele biochimiei, ediția 2-a (LXXXVI + 770 pag.), Editura Didactică și Pedagogică R.A., București 1999, (ISBN 973-30-2757-X)
5. **Gârban Z.** - *Biologie moleculară: Probleme fundamentale și aplicative*, ediția 3-a (XXXVI + 424 pag.), Editura Eurobit, Timișoara, 1998 (ISBN 973-9336-29-9).
4. **Gârban Z.** – *Biochimie: Tratat Comprehensiv*. Vol. II, Efectori biochimici, Partea 1 (XXVIII + 184 pag.), Editura Eurobit, Timișoara, 1998 (ISBN 973-9441-93-9)
3. **Gârban Z.** - *Noțiuni de biologie moleculară* - Vol.I-II, (XII + 322 pag.), ediția 2-a, Editura Eurobit, Timișoara, 1997 (ISBN 973-9201-96-2)
2. **Gârban Z.** - *Tratat Elementar de Biochimie*, Vol.I., Bioconstituenți, Partea 2 (XXX+416 pag.), Editura Mirton, Timișoara, 1996 (ISBN 973-578-046-1)
1. **Gârban Z.** – *Tratat Elementar de Biochimie*, Vol. I., Bioconstituenți, Partea 1 (246 pag.), Editura Mirton, Timișoara, 1993 (ISBN 973-95904-9-7)

B. CHAPTERS IN BOOKS

3. **Gârban Z.** – Acțiunea alcoolului asupra metabolismului embrio-fetal. pp.139-149, în “*Embrio- și fetopatia alcoolică*”, (Editor Sandor S.), Editura Academiei Române București, 1993 (ISBN 973-270368-7).
2. **Gârban Z., Eremia Iulia, Daranyi Gabriela, Miklos J.** - *Cercetări privind interacția DNA cu unele metale tranziționale și implicațiile acesteia în patologia moleculară*. pp.116-127, în “*Volum omagial 1946-1986*” Centrul de Igienă și Sănătate Publică Timișoara (Editor-coordonator Georgescu L.), Poligrafia Banatului Timișoara, 1986.
1. **Gârban Z., Anghi Ecaterina** – *Biochimie analitică: Spermograma biochimică*. pp.433-446, în “*Reproducția animalelor*”, (Editori Bogdan A.T., Bistriceanu M., Majina C.), Editura “*Scrisul Românesc*”, Craiova, 1981.

C. UNIVERSITY HANDBOOKS

7. **Ahmadi Mirela, Avacovici Adina-Elena, Precob V., Sarafolean S., Gârban Z.** - *Manual de laborator, Vol. I. Bioconstituenți* – complementar la Biochimie : Tratat Comprehensiv Vol. I (VI+96 pag.), Editura Eurobit Timișoara, 2007 (ISBN General : 978–973–620–309–1 ; ISBN Vol. I : 978-973-620-311-4).
6. **Gârban Z.** – *Nutriția umană*, Note de curs, (246 pag.), Editura Eurobit Timișoara, 1995.

5. **Gârban Z.** - *Noțiuni de Biologie moleculară*, Vol.II. Probleme fundamentale și aplicative (174 pag.), Publ. Editura Eurobit, Timișoara, 1994.
4. **Gârban Z.** - *Noțiuni de Biologie moleculară*, Vol.I. Concepte și metode (148 pag.), Publ. Editura Eurobit, Timișoara, 1992.
3. **Gârban Z.** - *Biochimie – Îndrumător lucrări de laborator* (Referate), Universitatea de Științe Agricole. Facultatea de Agronomie – Secția de Tehnologia Prelucrării Produselor Agroalimentare Timișoara, 1992
2. **Gârban Z., Angi Ecaterina** – Metode de analiză pentru spermograma biochimică. pp.154-165, în "*Actualități în reproducția animalelor domestice*", Curs învățământ postuniversitar - Facultatea de Medicină Veterinară și Zootehnie (Editori Bogdan A.T., Morar R.), Lito Institutul Agronomic Cluj-Napoca, 1977.
1. **Angi Ecaterina, Gârban Z.** – Metode biochimice utilizate în reproducția animalelor. pp.407-423, în "*Lucrări practice de Reproducția animalelor domestice*", Manual pentru Facultatea de Medicină Veterinară și Zootehnie (Editori Bogdan A.T., Morar R., Bogdan Inge, Simionescu C.), Lito. Institutul Agronomic Cluj-Napoca, 1976.

2. IN ENGLISH LANGUAGE IN ROMANIAN AND FOREIGN PUBLISHING HOUSES

A. BOOKS AND TREATISES

10. **Silaghi-Dumitrescu I., Gârban Z., Drăgan P.** (Eds. of Symp. Series) - *Metal Elements in Environment, Medicine and Biology, Tome IX*, (Gârban Gabriela, Silaghi-Dumitrescu R. – Eds. of Tome), Romanian Academy – Branch Cluj-Napoca and Branch Timisoara, Proceedings of the 9th International Symposium, Timișoara, October 16-17, 2009 (186 pag.), Publishing House "Cluj University Press" Babeș-Bolyai University, Cluj-Napoca, 2009 (ISSN 1583-4204)
9. **Gârban Z.** – *Biochemistry: Comprehensive treatise, Vol.I Basics of biochemistry - Bioconstituents* (XXIV+586 pag.), Publishing House "Solness" Timișoara, 2008 (ISBN 978-973-729-135-6 / 978-973-729-140-0)
8. **Silaghi-Dumitrescu I., Gârban Z., Drăgan P.** (Eds. of Symp. Series) - *Metal Elements in Environment, Medicine and Biology, Tome VIII*, (Davidescu C., Gârban Gabriela, Gergen Iosif, Drăgan Simona, Vaszilcsin N., Avacovici Adina – Eds. of Tome), Romanian Academy – Branch Timisoara and Branch Cluj-Napoca, Proceedings of the 8th International Symposium, Timișoara, December 6-8, 2008 (356 pag.), Publishing House "Eurobit" Timișoara 2006 (ISSN 1583-4204)
7. **Gârban Z., Drăgan P.** (Eds. of Symp. Series) - *Metal Elements in Environment, Medicine and Biology, Tome VII*, (Davidescu C., Drăgan Simona, Gârban Gabriela, Gergen Iosif, Vaszilcsin Nicolae – Eds. of Tome), Romanian Academy – Branch Timisoara, Proceedings of the 7th International Symposium, Timișoara, November 6-8, 2006 (356 pag.), Publishing House "Eurobit" Timișoara 2006 (ISBN 10) 973-620-238-0 și ISBN (13) 978-973-620-238-4; ISSN 1583-4204)
6. **Gârban Z., Drăgan P.** (Eds. of Symp. Series) - *Metal Elements in Environment, Medicine and Biology, Tome VI*, (Avacovici Adina, Davidescu C., Drăgan Simona, Gârban Gabriela, Lăzureanu Aurel, Vaszilcsin Nicolae – Eds. of Tome), Romanian Academy – Branch Timișoara, Proceedings of the 6th International Symposium, Timișoara, November 8-10, 2004 (366 pag.), Publishing House "Eurobit" Timișoara 2004 (ISBN 973-620-119-8; ISSN 1583-4204)
5. **Gârban Z., Drăgan P.** (Eds.) - *Metal Elements in Environment, Medicine and Biology, Tome V*, Romanian Academy – Branch Timisoara, Proceedings of the 5th International Symposium, Timișoara, November 4-6, 2002 (259 pag.), Publishing House "Eurobit" Timișoara 2002 (ISBN 973-620-035-3; ISSN 1583-4204)
4. **Gârban Z., Drăgan P.** (Eds.) - *Metal Elements in Environment, Medicine and Biology, Tome IV*, Romanian Academy – Branch Timisoara, Proceedings of the 4th International Symposium, Timișoara, November 6-8, 2000 (378 pag.), Publishing House "Eurobit" Timișoara 2000 (ISBN 973-8181-39-9; ISSN 1583-4204)
3. **Gârban Z., Drăgan P.** (Eds.) - *Metal Elements in Environment, Medicine and Biology, Tome III*, Romanian Academy – Branch Timisoara, Proceedings of the 3rd International Symposium, Timișoara, October 27-29, 1998 (392 pag.), Publishing House "Eurobit" Timișoara 1998 (ISBN 973-9336-19-1; ISSN 1583-4204)
2. **Gârban Z., Drăgan P.** (Eds.) - *Metal Elements in Environment, Medicine and Biology, Tome II*, Romanian Academy – Branch Timisoara, Proceedings of the 2nd International Symposium, Timisoara, October 27-29, 1996 (398 pag.), Publishing House "Eurobit" Timișoara 1996 (ISBN 973-336-15-9)
1. **Drăgan P., Gârban Z.** (Eds.) - *Metal Elements in Environment, Medicine and Biology, Tome I*, Romanian Academy – Branch Timisoara, Proceedings of the 1st International Symposium, Timișoara, October 21-23, 1993 (310 pag.), Publishing House "Mirton" Timișoara, 1994 (ISBN 973-578-045-3)

B. CHAPTERS IN BOOKS

3. **Gârban Z.** – Influence of metals on deoxyribonucleic acid, Chap. 7. pp.401-414 in "*Elements and their Compounds in the Environment: Occurrence, Analysis and Biological Relevance*" Vol. I General Aspects, (Editors Merian E., Anke M., Ihnat M., Stoepler M.), 2nd edition, Wiley-VCH Verlag GmbH & Co KgaA, Weinheim, 2004 (ISBN 3-527-30459-2)
2. **Gârban Z.** - Implications of the chronobiochemistry - metabolism relationship in the induction of homeostasis changes: The action of the Mg²⁺ and Zn²⁺ ions on DNA. Chapter 71, pp.482-489, in "*Advances in Magnesium Research*" (Smetana R., Ed.), J. Libbey, London-Paris-Rome-Sidney, 1997 (ISBN 0-86196-555-8)
1. **Sandor S., Checiu M., Fazakas-Todea I., Gârban Z.** - Experimental Approach of the alcohol Embryo- and Fetopathy. pp.13-43, in "*Advances in the Bioscience*", Vol.47: Advanced Concepts in Alcoholism, (Editor Tittmar H.G.), Pergamon Press, Oxford -New York-Toronto-Sydney-Paris- Frankfurt, 1984 (ISBN 0-08-030777-9).

II. PAPERS

2011

350. **Avacovici Adina-Elena, Cumpănaș A., Anca Lucia, Ghibu G.-D., Baltă C., Gârban Z.** - Peculiarities of the metallograms of the uroconcrements with urates and phosphates determined by atomic absorption spectroscopy, in "*Proceedings of the 17th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2011- in press.

349. **Gârban Gabriela, Jompan A., Cumpănaș A., Ghibu G.-D., Gârban Z.** – Metallograms of the uroconcrements in the dyshomeostasy of purines metabolism, *Fiziologia-Physiology*, Supplement, 2011, 21, 38.
348. **Hădărugă Nicoleta, Hădărugă D.I., Gârban Z.** – Cyclodextrins and small unilamellar liposomes : a comparative theoretical approach, p.58, in „*Advanced spectroscopies on biomedical nanostructured systems*“ – Book of Abstracts (Ed. Simon S.), Publ. by „Babeș-Bolyai„ University Cluj-Napoca, 2011
347. **Gârban Gabriela, Ghibu G.-D., Avacovici Adina-Elena, Baltă C., Hădărugă Nicoleta, Ciurlea Sorina, Ahmadi-Vincu Mirela, Velciov Ariana-Bianca, Gârban Z.** - Animal models used in the investigation of xenobiotics of food interest and pharmaceutical interest, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2011, XVII (1), 98-104.

2010

346. **Gârban Z., Ghibu G.-D., Gârban Gabriela, Avacovici Adina-Elena, Baltă C., Hădărugă Nicoleta** – Biogenesis of DNA adducts in the DNA/M^{h+} systems with implications in nutrition, pathobiochemistry and cytostatic pharmacotherapy, pp.143-158, in *Metal Elements in Environment, Medicine and Biology*, Tome X (Eds. Gârban Gabriela, Silaghi-Dumitrescu R., Sayti L.), Publishing House „Eurobit“, Timișoara, 2010.
345. **Gârban Z., Ghibu G.-D., Baltă C., Avacovici Adina-Elena, Mitroi Elisabeta-Mihaela, Miclău L.** - Xenobiochemistry at the interface of packaging materials-food. Note I. Packaging materials and specific interactions in vivo, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2010, XVI (2), 265-275.

2009

344. **Gârban Z., Gârban Gabriela, Ghibu G.-D., Avacovici Adina-Elena** - Genic recombination at the interface with xenobiochemistry, pp. 191-194, in “*Proceedings of the 16th Symposium on Analytical and Environmental Problems* ” (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2009.
343. **Velciov P.-R., Gârban Gabriela, Mitroi Elisabeta-Mihaela, Gruescu Ada, Garban Z.** - Action of ethanol on homeostasis of some metabolites in laboratory animals. I. Effects on serum triacylglycerols, pp.195-197, in “*Proceedings of the 16th Symposium on Analytical and Environmental Problems* ” (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2009.
342. **Gârban Gabriela, Ghibu G.-D., Mitroi Elisabeta-Mihaela, Gârban Z.** - Some actual problems concerning food supplements in European Union, pp.187-189, in “*Proceedings of the 16th Symposium on Analytical and Environmental Problems* ” (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2009.
341. **Gârban Z., Ghibu G.-D., Avacovici Adina-Elena, Baltă C., Gârban Gabriela, Mitroi Mihaela-Elisabeta** - Effects of sodium nitrate administration in drinking water of leporides regarding zinc concentration in organs and tissues, pp.43-48, in *Metal Elements in Environment, Medicine and Biology*, Tome IX (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House „Cluj University Press“, Cluj-Napoca, 2009.
340. **Gârban Gabriela, Gârban Z., Ghibu G.-D., Mitroi Mihaela-Elisabeta** - Mineral ingredients in food supplements used in the European Union – some current aspects, pp.30-37, in *Metal Elements in Environment, Medicine and Biology*, Tome IX (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House „Cluj University Press“, Cluj-Napoca, 2009.
339. **Velciov Ariana-Bianca, Ahmadi-Vincu Mirela, Velciov P.-R., Gârban Z.** - Serum and tissue levels of calcium after cis-platinum administration in Wistar rats, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2009, XV (2), 325-328.
338. **Gârban Z., Avacovici Adina-Elena** - Xenobiochemical interconditioning in recombinant DNA technology: theoretical and applicative aspects, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2009, XV (1), 183-190.

2008

337. **Bogdan A.T., Acatincăi S., Avacovici Adina-Elena, Gârban Z.** - Biodiversity and xenobiotics related to foods of animal origin, pp.217-224, in *Metal Elements in Environment, Medicine and Biology*, Tome VIII (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2008.
336. **Ghibu G.-D., Gârban Gabriela, Baltă C., Bura M., Petruse Cristina, Horhoi Doina-Elena, Gârban Z.** – Hepatic metallograms in rabbits after sodium nitrate excess in drinking water, pp.163-168, in *Metal Elements in Environment, Medicine and Biology*, Tome VIII (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2008.
335. **Gârban Z.** – Adducts of deoxyribonucleic acid with metals ad limina of interdisciplinarity metallomics and proteomics, pp.153-162, in *Metal Elements in Environment, Medicine and Biology*, Tome VIII (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2008.
334. **Avacovici Adina-Elena, Gârban Z.** - Characteristics of the metallogram in cystine urolithiasis – investigation means, pp. 61-66, in *Metal Elements in Environment, Medicine and Biology*, Tome VIII (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2008.
333. **Haiduc I., Silaghi-Dumitrescu I., Gârban Z., Fischer-Fodor Eva, Silaghi-Dumitrescu R.** – Metallomics, pp.5-14, in *Metal Elements in Environment, Medicine and Biology*, Tome VIII (Eds. Silaghi-Dumitrescu I., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2008.
332. **Ghibu G.-D., Baltă C., Hărmănescu Monica, Gârban Z., Ursu Adriana** - Peculiarities of renal metallograms in rabbits after nitrates administration, pp.162-165, in “*Proceedings of the 15th Symposium on Analytical and Environmental Problems*” (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2008.
331. **Avacovici Adina-Elena, Gârban Z.** - Infrared spectroscopy in biochemistry: characteristic spectra of basic substances from uroconcrements, pp.149-153, in “*Proceedings of the 15th Symposium on Analytical and Environmental Problems*” (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2008.
330. **Ghibu G.-D., Gârban Gabriela, Falcă Corina, Baltă C., Precob V., Gârban Z.** - Dyshomeostatic Effects of Nitrates from Drinking Water on Non-protein Nitrogen Metabolites in Leporides, *Chem. Bull. “Politehnica” Univ. (Timișoara)*, 2008, 53, 1-2, 230-233.
329. **Avacovici Adina-Elena, Drăgan P., Gârban Z.** - Infrared spectroscopy applied in biochemistry: characteristic spectra of some substances present in foods and uroconcrements. *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2008, XIV (2), 367-373.
328. **Ghibu G.-D., Baltă C., Gârban Gabriela, Sayti L., Falcă Corina, Gârban Z.** - Peculiarities of hepatic metallograms in rabbits after nitrates administration. *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2008, XIV (2), 361-366.

327. **Gârban Z.** - The fundamental problems regarding the relative hydrogen (rH) score in biochemistry. Note I. Theoretical bases of rH determination. *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2008, XIV (1), 50-57.
326. **Riviș A., Velciov Ariana-Bianca, Gârban Z., Costescu Corina, Nichita Ileana** - Influence of cis-platinum administration at different doses of zinc, copper and iron concentration in hepatic tissue, *Rev. Chim. (București)*, 2008, 59 (4), 388-391
325. **Gârban Z., Gârban Gabriela** – Interdisciplinarity in the investigation of deoxyribonucleic acid's adducts in biochemistry and xenobiochemistry (in Romanian), p. 29, *Al IV-lea Simpozion "Acad. Nicoale Cajal"*, București, 26-28 martie 2008.

2007

324. **Ghibu G.-D., Balint M., Gârban Z.** - Investigations concerning the effect induced by the presence of nitrites and nitrates in the feed of rabbits, pp.113-116, in "*Proceeding of the 14th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2007.
323. **Avacovici Adina, Gârban Zeno** - Metallograms of uroconcrements with purine composition, pp. 45-48, in "*Proceeding of the 14th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2007.
322. **Gârban Z., Gârban Gabriela, Ghibu G.-D.** – The importance of deoxyribonucleic acid adducts in biochemistry and xenobiochemistry, *Rev. Chim. (București)*, 2007, 58(5), 456-460
321. **Gârban Z., Gârban Gabriela, Vasiliuță I., Sayti L., Pup Mihaela, Ghibu G.-D.** -Metallograms of sialoconcrements with metabolic and nutritional aspects. Note I. Alkaline and alkaline-earth metals, *Studia Universitatis Babeș-Bolyai, Studia Chemia*, 2007, LII (1), 119-126
320. **Gârban Z., Gârban Gabriela, Velciov Ariana-Bianca Ghibu G.-D.** - Interaction of deoxyribonucleic acid with cis-platinum : structure-activity relationship, *Rev. Roum. Chimie*, 2007, 52 (1-2), 207-213.
319. **Gârban Z.** – Applications of xenobiochemistry: interaction of deoxyribonucleic acid with cancerigenic substances and cytostatic chemotherapeutics (in Romanian), pp.29-30, *Al III-lea Simpozion "Acad. Nicoale Cajal"*, București, 28-29 martie 2007.

2006

318. **Ghibu G.-D., Gârban Z.** – Biogenesis of deoxyribonucleic acid adducts and the perspective of biomonitorization: comparative data regarding the metallic ions, polycyclic compounds and nitrosamines, pp. 165-178, in *Metal Elements in Environment, Medicine and Biology*, Tome VII (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2006.
317. **Gârban Z.** – Xenobiochemistry a subsequent domain of biochemistry: particularisation for the study of metal ions, pp. 141-148, in *Metal Elements in Environment, Medicine and Biology*, Tome VII (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2006.
316. **Avacovici Adina, Gârban Z.** – Method of circular dichroism for investigating the interaction between DNA and metals. Note I. Characteristics of the magneto-chemical investigations in the study of the macromolecules, pp. 806-812, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
315. **Avacovici Adina, Gârban Z.** – Method of circular dichroism for investigating the interaction between DNA and metals. Note II. Peculiarities of the investigations in the system DNA-metal ions. pp.799-805, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
314. **Gârban Gabriela, Aumüller Corina, Balint M., Gârban Z.** – Investigations on serum calcium and magnesium concentration beside the basic study of the biochemical homeostasis of lipids and lipoproteins in adolescence, pp.793-798, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
313. **Gârban Gabriela, Ghibu G.-D., Gârban Z., Avacovici Adina, Aumüller Corina, Velciov Ariana-Bianca** – Some comparative aspects regarding xenobiochemistry and the problem of DNA-metal ions and DNA-nitrosamines adducts in biomonitoring, pp.635-640, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
312. **Velciov Ariana-Bianca, Gârban Gabriela, Velciov P.R., Ahmadi-Vincu Mirela, Pup Mihaela, Gârban Z.** – Concentration of some non-protein nitrogen metabolites in blood serum of experimental animals consecutive cis-platinum administration, pp.279-284, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
311. **Popescu Sofia-Georgeta, Gârban Gabriela, Grecu Rodica, Drăgan P., Gârban Z.** – Biogenesis of urolithiasis. Profile of uroconcrements metallogram in urolithiasis. pp. 271-278, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
310. **Popescu Sofia-Georgeta, Gârban Gabriela, Drăgan P., Gârban Z.** – Alkaline metals in serum and urine and urolithiasis disease. pp. 267-270, in *Macro and Trace Elements, Mengen- und Spurenelemente, 23. Workshop 2006*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2006.
309. **Ahmadi Mirela, Pup Mihaela, Velciov Ariana, Gârban Zeno** - Relations between quantum of some biometals and zinc overdoses in brain, pp.242-245, in "*Proceeding of the 13th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2006.
308. **Velciov Ariana-Bianca, Gârban Gabriela, Gârban Z., Velciov P.R., Ahmadi Mirela, Pup Mihaela, Ghibu G.-D.** - Concentration of some metal elements in liver of laboratory animals after cis-platinum administration, pp.237-241, in "*Proceeding of the 13th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2006.
307. **Gârban Gabriela, Ghibu G.-D., Gârban Z.** - Adducts of deoxyribonucleic acid with steroid compounds, pp. 233-236, in "*Proceeding of the 13th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2006.
306. **Gârban Gabriela, Ghibu G.-D., Gârban Z.** - Biomarkers of exposure in relation with some xenobiotics and DNA adducts, *Physiology*, 2006 (16), 58.
305. **Aumüller Corina, Gârban Gabriela, Gârban Z.** – Nutritional status of a group of adolescents from a rural area of Banat region, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 557-560.

304. **Avacovici Adina, Gârban Z.** – Circular dichroism – theory and applications of the interaction of deoxyribonucleic acid with manganese ions, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 529-534.
303. **Pup Mihaela, Ahmadi-Vincu Mirela, Velciov Ariana-Bianca, Gârban Z. Dronca D.** - The effect of zinc chloride administration on some trace metals in Wistar rats liver. *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 521-528.
302. **Velciov Ariana-Bianca, Gârban Gabriela, Velciov P.R., Ahmadi-Vincu Mirela, Pup Mihaela, Gârban Z.** – Modification of enzymatic status induced by xenobiotic action of cis-platinum, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 513-520.
301. **Ahmadi-Vincu Mirela, Velciov Ariana-Bianca, Pup Mihaela, Gârban Z.** - Cholesterol, triglycerides and glicemy concentration after manganese excess in Wistar rats, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 505-512.
300. **Gârban Gabriela, Gârban Z., Ghibu G.-D., Aumüller Corina, Velciov Ariana-Bianca** – Deoxyribonucleic acid adducts as biomarkers of exposure in biomonitoring. *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 469-480.
299. **Pop Cristina, Ghibu G.-D., Gârban Gabriela, Velciov Ariana-Bianca** - Structural peculiarities of carotenoids used as food colorants, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 461-468.
298. **Gârban Z., Gârban Gabriela, Ghibu G.-D.** - Biomarkers: theoretical aspects and applicative peculiarities. Note II. Nutritional biomarkers, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (2), 349-356.
297. **Ghibu G.-D., Gârban Gabriela, Gârban Z.** - Adducts of deoxyribonucleic acid with nitrosamines, *Journal of Agroalimentary Processes and Technologies*, Timișoara, 2006, XII (1), 187-198.

2005

296. **Gârban Gabriela, Aumüller Corina, Balint M., Gârban Z.** - Cholesterolemia and trygliceridemia in a young rural population from the Banat region of Romania, pp.385-389, in *“Proceeding of the 12th Symposium on Analytical and Environmental Problems”* (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2005.
295. **Velciov-Martau Ariana, Gârban Z., Gârban Gabriela, Ahmadi-Vincu Mirela, Velciov P.R., Popescu Sofia-Georgeta, Ghibu G.-D.** - Concentration of some metals in the muscles of experimental animals consecutive to cis-platinum administration, pp.381-384, in *“Proceeding of the 12th Symposium on Analytical and Environmental Problems”* (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2005.
294. **Pup Mihaela, Ahmadi-Vincu Mirela, Velciov-Martău Ariana-Bianca Gârban Z., Dronca D.** – Trace metals modifications in liver after aluminium chloride administration to rabbits, pp.504-508, in *Proceedings of the 5th International Symposium on Trace Elements in Human: New Perspectives*, (Eds. Ermidou-Pollet Sophie, Pollet S.), Printed by Entypossis, Athens, 2005.
293. **Pup Mihaela, Gârban Z., Dronca D., Ahmadi-Vincu Mirela** – Aluminum effects on magnesemia, calcemia and on magnesium, calcium and aluminum concentration in rabbits bone, pp.171-174, în *Lucrările Simpozionului Internațional “Euro-aliment 2005”* (Eds. Alexe P., Turtoi Maria), Ed. Academica, Galați, 2005.
292. **Pup Mihaela, Dronca D., Gârban Z., Ahmadi-Vincu Mirela** – Changes of lipid’s metabolism in domestic rabbits after aluminium chloride administration revealed by blood analysis, *“Lucrări științifice - Zootehnie și biotehnoologii animale”*, Centrul editorial de la Universitatea Agrară de Stat din Moldova, Chișinău, 2005, 13, 99-102.
291. **Pup Mihaela, Ahmadi-Vincu Mirela, Gârban Z., Dronca D.** – Influence of aluminium on blood serum glucose, total proteins and magnesium concentration in domestic rabbits, *“Scientific researches: Agroalimentary Processes and Technologies”*, Timișoara, 2005, XI (1), 223-228.
290. **Ahmadi-Vincu Mirela, Pup Mihaela, Gârban Gabriela, Velciov Ariana-Bianca, Gârban Z., Velciov P.R.** – Influence of zinc over-doses on some metals in Wistar rats brain, *“Scientific researches: Agroalimentary Processes and Technologies”*, Timișoara, 2005, XI (1), 153-160.
289. **Gârban Z., Velciov Ariana-Bianca, Velciov P.R., Moldovan I., Avacovici Adina, Ahmadi-Vincu Mirela, Ghibu G.-D.** – Experimental data concerning the action of cis-platin on metal elements in blood, *“Scientific researches: Agroalimentary Processes and Technologies”*, Timișoara, 2005, XI (1), 147-152.
288. **Gârban Z., Avacovici Adina, Gârban Gabriela, Ghibu G.-D., Martău Ariana-Bianca, Pop Ioana-Cristina** – Theoretical aspects and applicative peculiarities. Note I. General characteristics of biomarkers, *“Scientific researches: Agroalimentary Processes and Technologies”*, Timișoara, 2005, XI (1), 139-146.
287. **Avacovici Adina, Gârban Gabriela, Ghibu G.-D., Gârban Z.** – Adducts of deoxyribonucleic acid with polycyclic aromatic hydrocarbons and acridinic derivatives, *“Scientific researches: Agroalimentary Processes and Technologies”*, Timișoara, 2005, XI (1), 129-138.

2004

286. **Gârban Z.** – Aspects of molecular biology and biochemical pathology specific for the interaction of DNA with some chemical xenobiotics of nutritive and therapeutic interest, pp. 215-226, in *Metal Elements in Environment, Medicine and Biology*, Tome VI (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2004.
285. **Avacovici Adina, Gârban Z.** – Peculiarities of the interrelation nutrients-xenobiotics from the biochemistry of metabolism to the pathobiochemistry of biotransformations: An overview on metals, pp.139-148, in *Metal Elements in Environment, Medicine and Biology*, Tome VI (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2004.
284. **Aumüller Corina, Gârban Gabriela, Gârban Z.** - Peculiarities of biochemical homeostasis regarding some divalent metals and lipid metabolites in a young population, pp. 131-138, in *Metal Elements in Environment, Medicine and Biology*, Tome VI (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2004.
283. **Drăgan P., Gârban Z.** – Oxalic urolithiasis: peculiarities of ethiopathogeny and metallograms, pp. 121-130, in *Metal Elements in Environment, Medicine and Biology*, Tome VI (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2004.
282. **Avacovici Adina-Elena, Gârban Z., Jompan A.** – Peculiarities of the interrelation nutrients-xenobiotics from the point of view of the biochemistry of metabolism and of the patobiochemistry of biotransformations, p.27, in *„The 6th Danube-Kris-Mures-Tisa Euroregion Meeting on Environmental Medicine and Health”*, October 14-15, 2004, Timisoara, Romania.
281. **Gârban Z., Avacovici Adina** - Comparative aspects of the interaction of DNA with chemical xenobiotics of the class of polycyclic aromatic hydrocarbons and some metals with toxicogen potential, pp. 1748-1762, in *“ Macro and Trace Elements*,

Mengen- und Spurenelemente, 22. Arbeitstagung 2004", Friedrich Schiller Universität Jena, (Hrsg. Anke M., et al.), Verlag Harald Schubert, Leipzig, 2004.

280. **Gârban G., Aumüller C., Gârban Z., Popescu Sofia-Georgeta** – Some biochemical parameters in a group of high school children from rural area of Banat region in Romania, pp. 1151-1158, in *Macro and Trace Elements, Mengen- und Spurenelemente, 22. Workshop 2004*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2004.
279. **Ahmadi-Vincu M., Pup M., Gârban Z., Martău B.** – Distribution of some metals in rat brain after over-doses of manganese, pp.1134-1139, in *Macro and Trace Elements, Mengen- und Spurenelemente, 22. Workshop 2004*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2004.
278. **Pup Mihaela, Ahmadi-Vincu Mirela, Gârban Z., Martău Ariana-Bianca** – Particularities of the synergism and the antagonism between some of metallic microelements, "*Scientific Papers: Animal Sciences and Biotechnologies*", Timișoara, 2004, XXXVII, 555-560.
277. **Martău Ariana-Bianca, Gârban Gabriela, Gârban Z., Ahmadi-Vincu Mirela, Velciov P.-R.** – Metabolic and Nutritional Aspects following Cytostatic Therapy, "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 2004, X (2), 431-436.
276. **Ahmadi Mirela, Pup Mihaela, Gârban Z., Martău Ariana-Bianca, Popescu Sofia-Georgeta** – Metal Elements Concentration in Heart of Wistar Rats after the Action of Manganese, "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 2004, X (2), 417-423.
275. **Gârban Gabriela, Popescu Sofia-Georgeta, Gârban Z., Drăgan P., Ionescu I., Martău Ariana-Bianca, Avacovici Adina** – Serum and urinary magnesium and calcium concentration in kidney stone patients before and after extracorporeal shockwave lithotripsy, p.64, in "*8th European Magnesium Congress*", Cluj-Napoca, May 25-28, 2004.

2003

274. **Gârban Z.** – Impact of the interaction of xenobiotics from the class of aromatic polycyclic hydrocarbons with deoxyribonucleic acid and its implications in pathobiochemistry (in Romanian), pp.45-57, în "*Poluânți în lanțul trofic și calitatea vieții*" (Eds. Cîndea V., Nichita Georgeta), Ed. Mirton, Timișoara, 2003.
273. **Antal Diana-Simona, Gârban Gabriela, Gârban Z.** – The anthocyanins: biologically-active substances of nutritional and pharmaceutical interest, *Analele Universității "Dunărea de Jos"* 2003, XXI (Fascicle VI), 106-115.
272. **Popescu Sofia-Georgeta, Gârban Z., Gârban Gabriela, Clep Camelia, Martău Ariana-Bianca** - Oxalate in foods as risk factor for oxalic urolithiasis, *Analele Universității "Dunărea de Jos"* 2003, XXI (Fascicle VI), 90-97.
271. **Ahmadi-Vincu Mirela, Gârban Gabriela, Pup Mihaela, Gârban Z., Clep Camelia, Martău Ariana-Bianca** - Manganese overdose effects on blood serum electrolytes in Wistar strain rats, pp.399-402, în *Lucrările Simpozionului Internațional "Euroaliment 2003"* (Eds. Bulancea M., Alexe P., Turtoi Maria), Ed. Academica, Galați, 2003.
270. **Gârban Z., Gârban Gabriela, Antal Diana-Simona** - Investigations concerning the effect of cyclophosphamide on the biosynthesis of hepatic DNA and serum proteins in rats, pp.41-45, in "*Proceeding of the 10th Symposium on Analytical and Environmental Problems*" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2003.
269. **Popescu Sofia-Georgeta, Gârban Z., Gârban Gabriela, Drăgan P., Ionescu I.** - Oxalate urolithiasis: peculiarities of the etiopathogeny and composition of uroconcrements, pp.453-470, in *Trace Elements in Human: New Perspectives*, Vol. I (Eds. Ermidou-Pollet Sophie, Pollet S.), Printed by Entyposiss, Athens, 2003.
268. **Gârban Z., Gabriela Gârban, Camelia Clep** - Characteristic aspects of the deoxyribonucleic acid interaction with ions of alkaline-earth and of transition metals, *Annals of West University of Timisoara, Series Chemistry*, 2003, 12, 1-8.
267. **Ahmadi-Vincu Mirela, Pup Mihaela, Gârban Gabriela, Clep Camelia, Martău Ariana-Bianca, Gârban Z.** - Experimental investigations on the effects induced by zinc on some biometals and metals with toxicogenic potential in laboratory animals, "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 2003, IX, 263-266.
266. **Popescu Sofia-Georgeta, Gârban Z., Gârban Gabriela, Martău Ariana-Bianca, Ahmadi-Vincu Mirela, Clep Camelia, Popa M.** - Nutritional aspects in relation to the biogenesis of oxalic urolithiasis, "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 2003, IX, 259-262.
265. **Gârban Z., Gârban Gabriela, Avacovici Adina, Popescu Sofia-Georgeta, Pup Mihaela, Martău Ariana-Bianca, Simionică E., Popa M.** - Magnesium and calcium concentration in simple and mixed oxalic uroconcrements, pp. 200-207, in *Magnesium involvements in biology and pharmacotherapy* (Eds. Nechifor M., Porr P.J.), Casa Cărții de Știință, Cluj-Napoca, 2003.
264. **Gârban Gabriela, Gârban Z., Drăgan P., Avacovici Adina, Popa M., Simionică E., Popescu Sofia-Georgeta** - Magnesium concentration in purinic uroconcrements, pp.191-199, in *Magnesium involvements in biology and pharmacotherapy* (Eds. Nechifor M., Porr P.J.), Casa Cărții de Știință, Cluj-Napoca, 2003.
263. **Ionescu I., Popescu M., Boeriu F., Dăncescu M., Gârban Z.** - Magnesium and lipid levels in serum from subjects affected by Duchenne muscular dystrophy and Steinert's myotonia, pp.184-190, in *Magnesium involvements in biology and pharmacotherapy* (Eds. Nechifor M., Porr P.J.), Casa Cărții de Știință, Cluj-Napoca, 2003.

2002

262. **Gârban Z., Avacovici Adina, Sarafolean S.** - Research concerning the interaction of deoxyribonucleic acid with magnesium and zinc ions, pp.169-174, in *Metal Elements in Environment, Medicine and Biology*, Tome V (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2002.
261. **Drăgan P., Gârban Z.** - New data regarding the metallogram of the patients with urolithiasis before and after surgical and ESWL treatment, pp.77-82, in *Metal Elements in Environment, Medicine and Biology*, Tome V (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2002.
260. **Gârban Gabriela, Precob V., Gârban Z., Avacovici Adina, Simionică E., Șelaru C.** - Serum lipid metabolites in alcohol consuming rats, *Central European Journal of Occupational and Environmental Medicine*, 2002, 8(2-3), 157-161.
259. **Gârban Z., Moldovan I., Avacovici Adina, Martău Ariana-Bianca, Antal Diana-Simona, Velciov P.** - The action of cis-platinum administered to female rats in early pregnancy, pp.584-588, in *Macro and Trace Elements, Mengen- und Spurenelemente, 21. Workshop 2002*, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2002.
258. **Gârban Gabriela, Precob V., Gârban Z., Simionică E., Ahmadi-Vincu Mirela** - Effects of ethanol supplemented with zinc-salts on some biochemical parameters in pregnant female rats, pp.501-506, in *Macro and Trace Elements, Mengen- und Spurenelemente, 21. Workshop 2002*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2002.

257. **Gârban Z., Daranyi Gabriela, Ehling Ștefan, Avacovici Adina, Martău Ariana-Bianca, Clep Camelia** - Peculiarities of the structure-activity relationship and toxicological effects of the organochlorinated contaminants. p.19, in "4th Regional Conference on Environmental and Health", Szeged May 9-10, 2002.
256. **Daranyi Gabriela, Gârban Z., Martău Ariana-Bianca, Antal Diana-Simona, Palcu S., Simionică E.** - Harmful effects of polycyclic aromatic hydrocarbons resulted from the structure-activity relationship, p.15, in "4th Regional Conference on Environmental and Health", Szeged, May 9-10, 2002.
255. **Gârban Z., Avacovici Adina, Martău Ariana-Bianca, Antal Diana-Simona, Vincu-Ahmadi Mirela, Popescu Sofia-Georgeta, Simionică E.** - Applications of molecular biology in the biogenesis of some food additives from the group of enzymatic preparatives (in Romanian), "Scientifical researches: Agroalimentary Processes and Technologies", Timișoara, 2002, VIII, 23-32.
254. **Vincu-Ahmadi Mirela, Gârban Z., Pup Mihaela, Martău Ariana-Bianca, Simionică E., Popescu Sofia-Georgeta** - Retention of some trace elements and metals with toxicogen potential in the kidneys of laboratory animals after the administration of Zn and Mn chloride salts (in Romanian), "Scientifical researches: Agroalimentary Processes and Technologies", Timișoara, 2002, VIII, 17-22.
253. **Gârban Gabriela, Gârban Zenzo, Clep Camelia, Martău Ariana-Bianca** - Effect of polycyclic aromatic hydrocarbons on the hepatic DNA concentration in experimental animals - preliminary data, pp. 37-40, in "Proceeding of the 9th Symposium on Analytical and Environmental Problems" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2002.

2001

252. **Gârban Z., Daranyi Gabriela** - Chemical structure-biological activity relationship in case of dietary fibers and its importance in the maintenance of the optimal physical activity, p.19, in "9th International Interdisciplinary Symposium: Sport, physical activity and health", Novi Sad-Yugoslavia, September 13-15, 2001.
251. **Daranyi Gabriela, Gârban Z., Vincu Mirela, Popescu Sofia - Georgeta, Popa M.** - Magnesium distribution in simple urolithiasis and mineralogical characteristics of the magnesium concrements, p.47, *Al doilea Simpozion Național de Magneziu*, Odorheiu-Secuiesc, 4-6 octombrie, 2001.
250. **Precob V., Gârban Z., Avacovici Adina, Daranyi Gabriela, Rinovetz A., Pătrașcu R.C., Popescu Sofia-Georgeta** - Studies concerning the action of the occasionally and chronically consumed alcohol on the protein metabolism of laboratory animals, pp.40-44, in "Proceeding of the 8th Symposium on Analytical and Environmental Problems" (Ed. Galbács Z.), Publ. by SZAB, Szeged, 2001.
249. **Moldovan I., Gârban Z., Daranyi Gabriela, Nicola Tr., Moldovan Laura, Ahmadi -Vincu Mirela, Antal Diana-Simona, Căpraru Gabriela** - Biogenesis of the adducts resulted from cis-platinum and deoxyribonucleic acid in case of pharmacoreceptor interaction., *Terapeutică, Farmacologie și Toxicologie clinică - Supliment*, 2001, V, 84.
248. **Vincu Mirela, Precob V., Dumitru M., Daranyi Gabriela, Gârban Z.** - Trace elements and the biochemical homeostasis of some metal ions and enzymes in the blood serum of laboratory animals. Note I. Preliminary data concerning the effects of Zn and Mn, pp. 189-200, in *New Perspectives in the Research of Hardly Known Trace Elements and the Importance of the Interdisciplinary Cooperation* (Ed. Pais I.), University Press, "Szent Istvan" Faculty of Food Science, Budapest, 2001.
247. **Gârban Z.** - Synoptical considerations on nutritional barriers (in Romanian), *Nutrition and Health*, Publ. by International Fitness Federation-Dept. Romania, 2001, V, 3, 1-4.
246. **Gârban Z.** - Nutrients from the group of alimentary fibers (in Romanian), *Nutrition and Health*, Publ. by International Fitness Federation-Dept. Romania, 2001, V, 2, 4.

2000

245. **Gârban Z., Cartiș Ioana, Avacovici Adina, Moldovan I.** - Comparative aspects between the interaction of deoxyribonucleic acid with some cytostatic drugs: Particularisation for the action with cis-platinum and cyclophosphamide. I. Investigations in vivo on experimental animals, pp.1118-1125, in *Mengen- und Spurenelemente, 20. Arbeitstagung 2000*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.); Verlag Harald Schubert, Leipzig, 2000
244. **Daranyi Gabriela, Bucuraș V., Drăgan P., Gârban Z., Vincu Mirela, Popescu Sofia-Georgeta** - Profile of uroconcrements metallogram in simple lithiasis with oxalates, phosphates and urates, pp.1101-1108, in *Mengen- und Spurenelemente, 20. Arbeitstagung 2000*, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 2000
243. **Vasiluță I., Gârban Z., Pup Mihaela** - Investigations concerning the metallic composition of the surgically removed sialoconcrements, pp.309-312, in *Metal Elements in Environment, Medicine and Biology*, Tome IV (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2000.
242. **Ionescu I., Gârban Z., Popescu M., Boeriu F.** - Serum calcium concentration in some neuromuscular diseases, pp.195-198, *Metal Elements in Environment, Medicine and Biology*, Tome IV (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2000.
241. **Ionescu I., Gârban Z., Popescu M., Boeriu F.** - Uric acid levels in subjects Duchenne muscular dystrophy, pp.181-194, in *Metal Elements in Environment, Medicine and Biology*, Tome IV (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2000.
240. **Gârban Z., Holban Șt., Moldovan I., Avacovici Adina, Sarafolean S.** - Deoxyribonucleic acid interaction with cis-platinum: evaluative modalities of biochemical and pharmacological mechanisms, pp.141-150, in *Metal Elements in Environment, Medicine and Biology*, Tome IV (Eds., Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2000.
239. **Drăgan P., Gârban Z.** - Clinical aspects and biochemical pathology in oxalic urolithiasis - peculiarities of the metallic composition, pp.45-58, in *Metal Elements in Environment, Medicine and Biology*, Tome IV (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 2000.
238. **Gârban Z., Daranyi Gabriela, Mircov V., Velciov P.** - Nutritional significance of the bioavailability of some biominerals related to physical activity, pp.43-44, in "8th International Interdisciplinary Symposium: Sport, physical activities and health of young people", Novi Sad -Yugoslavia, September 14-16, 2000.
237. **Gârban Z.** - Mineral micronutrients (in Romanian), *Nutrition and Health*, Publ. by International Fitness Federation-Dept. Romania, 2000, IV, 4, 1-4.
236. **Daranyi Gabriela, Gârban Z., Drăgan P., Bucuraș V., Avacovici Adina, Popa M., Vincu Mirela** - Concentration of magnesium in relation with other metals in serum, urine and uroconcrements of the surgically treated kidney stone patients, p.163, in "9th International Magnesium Symposium", Vichy-France, September 10-15, 2000.
235. **Gârban Z.** - Effects induced by the interaction of deoxyribonucleic acid with magnesium, zinc and copper ions investigated by circular dichroism, p.130, in "9th International Magnesium Symposium", Vichy-France, September 10-15, 2000.

234. **Gârban Z., Moldovan I., Avacovici Adina, Daranyi Gabriela** - Structure-activity relationships in case of interaction between cis-platinum and deoxyribonucleic acid., pp.517-522, *Current Problems in Cellular and Molecular Biology* (Eds. Crăciun C., Ardelean A.), Publishing House Risoprint, Cluj-Napoca, 2000.
233. **Daranyi Gabriela, Bucuraș V., Vincu Mirela, Gârban Z., Popa M.G.** - Dishomeostasis of purine metabolites and of some divalent trace metals related to nutrition and the biogenesis of uroconcrements, pp.349-354, *Current Problems in Cellular and Molecular Biology* (Eds. Crăciun C., Ardelean A.), Publishing House Risoprint, Cluj-Napoca, 2000.
232. **Gârban Z.** – Fatty acids of eicosanoid types (in Romanian), *Nutrition and Health*, Publ. by International Fitness Federation-Dept. Romania, 2000, IV, 2, 3-4.
231. **Precob V., Vincu Mirela, Moldovan I., Popa M.G., Gârban Z.** – Homeostasis changes of some bioelements and enzymes consecutive to ethyl alcohol consumption (in Romanian), *Scientific researches: Agroalimentary Processes and Technologies*, Timișoara, 2000, VI, 416-420.
230. **Vincu Mirela, Sarafolean S., Precob V., Gârban Z., Pup Mihaela, Ehling Șt.** - Investigations on the distribution of some bioelements and some elements with toxicogen potential in organs of domestic animals (in Romanian), *Scientific researches: Agroalimentary Processes and Technologies*, Timișoara, 2000, VI, 411-415.
229. **Daranyi Gabriela, Ehling Șt., Gârban Z.** – Biochemical mechanisms specific for the in vivo interaction of organophosphoric compounds (in Romanian), *Analele Universității "Aurel Vlaicu", Arad, Seria Chimie, Fascicola Inginerie Alimentară*, 2000, 189-200.
228. **Ehling Șt., Gârban Z., Vincu Mirela** – Experimental investigations of the action of some organochlorinated compounds on laboratory animals (in Romanian), *Analele Universității "Aurel Vlaicu", Arad, Seria Chimie, Fascicola Inginerie Alimentară*, 2000, 161-170.
227. **Gârban Z., Daranyi Gabriela** - Biomedical implications of the biogenesis of adducts resulted by the interaction of deoxyribonucleic acid with aflatoxins, *Central European Journal of Occupational and Environmental Medicine*, 2000, 6 (2-3), 161-167.
226. **Daranyi Gabriela, Vincu Mirela, Gârban Z., Clep Camelia, Velciov P., Rinovetz A.** - Nutritional and pharmacological significance of bioavailability related to biomineral compounds, *Central European Journal of Occupational and Environmental Medicine*, 2000, 6 (2-3), 156-160.
225. **Vincu Mirela, Moș Maria, Gârban Z., Pup Mihaela, Clep Camelia, Velciov P., Șelaru C.** – Magnesium in relation with synergic and antagonic effects specific for biometals and metals with toxicogen potential (in Romanian), pp.156-157, în *Primul Simpozion Național de Magneziu*, 24-26 februarie 2000, Cluj-Napoca.
224. **Precob V., Gârban Z., Cartiș Ioana, Daranyi Gabriela, Vincu Mirela** – Experimental study regarding the effects of ethanol on the homeostasis of some alkaline and alkaline-earth metals (in Romanian), pp.154-155, în *Primul Simpozion Național de Magneziu*, 24-26 februarie 2000, Cluj-Napoca.

1999

223. **Drăgan P., Daranyi Gabriela, Bucuraș V., Avacovici Adina, Vincu Mirela, Gârban Z.** (1999): Profile of metallograms in phosphatic uroconcrements, pp. 888-895, in *Mengen- und Spurenelemente, 19. Arbeitstagung 1999*, Friedrich – Schiller - Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 1999
222. **Gârban Z.** -Structural peculiarities of the adducts built in the system with deoxyribo-nucleic acid and metallic ions, pp.880-887, in *Mengen- und Spurenelemente, 19. Arbeitstagung 1999*, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 1999
221. **Daranyi Gabriela, Avacovici Adina, Gârban Z.** - Effects of cyclophosphamide on hepatic DNA related with the embryo-fetal complex, pp.20-21, in *2nd Symposium - Drug research between information and life sciences*, București, 1-3 noiembrie 1999.
220. **Moldovan I., Gârban Z., Avacovici Adina, Dogaru C., Vincu Mirela, Moldovan Laura** - Peculiarities of the interaction between cis-platinum and DNA according to the concepts of molecular biology, pp. 18-19, in *2nd Symposium - Drug research between information and life sciences*, București, 1-3 noiembrie 1999.
219. **Gârban Z., Vincu Mirela, Avacovici Adina** - Importance of nutritional studies concerning the concentration of some metallic bioelements in meat and meat products, pp. 21-28, in *Food Industry Technologies and Nourishment* (Eds. Mnerie D., Țucu D.), Editura Orizonturi Universitare Timișoara, 1999.
218. **Gârban Z.** - Biochemical dishomeostasis in amino acid metabolism., pp.36-44, in *Nutrition and health: Metabolic disorders, complications, prophylaxy, treatment* (Editor Daranyi Gabriela), Publ. by International Fitness Federation, Editura Eurobit, Timișoara, 1999.
217. **Gârban Z., Riviș A.** – Peculiarities of the chemical structure-biological activity relationship in apolipoproteins (in Romanian), pp.143-148, *Simpozionul "Zilele Academice Timișene"*, 27-28 mai, 1999, Ediția VI, "Secțiunea Științe, procese și tehnologii agroalimentare", Editura Mirton, Timișoara.
216. **Ehling Șt., Dumitru M., Riviș A., Gârban Z., Popa M.G.** – Modern investigation methods for organochlorinated contaminants (in Romanian), pp.137-142, *Simpozionul "Zilele Academice Timișene"*, 27-28 mai, 1999, Ediția VI, "Secțiunea Științe, procese și tehnologii agroalimentare", Editura Mirton, Timișoara.
215. **Vincu Mirela, Gârban Z., Sarafolean S., Mircov V., Moldoveanu Mihaela Dana, Creț Iuliana, Buruean Tatiana** - Concept of bioavailability: significance and applications. II. Bioavailability in relation with mineral nutrition (in Romanian), pp. 131-136, *Simpozionul "Zilele Academice Timișene"*, 27-28 mai, 1999, Ediția VI, "Secțiunea Științe, procese și tehnologii agroalimentare", Editura Mirton, Timișoara.
214. **Gârban Z.** - Concept of bioavailability: significance and applications. I. Nutritional and pharmacological aspects (in Romanian), pp.125-130, *Simpozionul "Zilele Academice Timișene"*, 27-28 mai, 1999, Ediția VI, "Secțiunea Științe, procese și tehnologii agroalimentare", Editura Mirton, Timișoara.
213. **Gâțlan Doina-Maria, Gârban Z., Vincu Mirela** – Contributions of Raman spectroscopy to the study of some bioconstituents (in Romanian), pp.121-124, *Simpozionul "Zilele Academice Timișene"*, 27-28 mai, 1999, Ediția VI, "Secțiunea Științe, procese și tehnologii agroalimentare", Editura Mirton, Timișoara.
212. **Gârban Z.** –Bioavailability in relation with mineral nutrition (in Romanian), *Nutrition and Health*, Publ. by International Fitness Federation-Dept. Romania, 1999, III, 11, 1-3.

211. **Daranyi Gabriela, Gârban Z.** – Food supplements role in the prophylaxy and therapy of cardiovascular diseases, pp.20-24, in *Proceedings of the Second International Medical Conference "The preventive role of food supplements"*, Publ.by Semmelweis Medical Institute, Budapest, May 13, 1999.
210. **Gârban Z., Avacovici Adina** - Experimental data concerning the interaction of DNA with some alkaline-earth and trace metal ions studied by the method of circular dichroism., pp.119-127, in *New Perspectives in the Research of Hardly Known Trace Elements and the Importance of the Interdisciplinary Cooperation* (Ed. Pais I.), University Press of U.H.F.S. Budapest, 1999.
209. **Daranyi Gabriela, Vincu Mirela, Gârban Z.** - Peculiarities of the relationship nutrition - metaphylaxis of urolithiasis II. Nutritional aspects regarding the role of metals in purine urolithiasis, pp.108-118, in *New Perspectives in the Research of Hardly Known Trace Elements and the Importance of the Interdisciplinary Cooperation* (Ed. Pais I.), University Press of U.H.F.S. Budapest, 1999.
208. **Ehling Șt., Gârban Z.** – Natural distribution of organochlorinated contaminants (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1999, V, 217-222.
207. **Gârban Z., Dumitru M., Ehling Șt., Vincu Mirela, Rinovetz A., Oniche Alina** - Mechanism of the interaction between protidic and organochlorinated compounds (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1999, V, 211-216.
206. **Gârban Z., Popa M.G.** – Synoptic view on the biochemical and patobiochemical aspects in the investigation of urolithiasis (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1999, V, 207-210.

1998

205. **Gârban Z., Daranyi Gabriela, Avacovici Adina, Moldovan I., Cartiș Ioana** - Changes induced in homeostasis by the action of cis-platinum on the materno-fetal complex, pp. 873-880, in *Mengen- und Spurenelemente, 18. Arbeitstagung 1998*, Friedrich-Schiller-Universität Jena, (Hrsg.Anke M.et al.), Verlag Harald Schubert, Leipzig, 1998
204. **Gârban Z., Riviș A., Ienei Agneta Maria** - Specific molecular mechanisms in the interaction between deoxyribonucleic acid and contaminants from the class of polycyclic aromatic hydrocarbons, pp.95-99, in "*Proceeding of the 4th Symposium on Analytical and Environmental Problems*" (Eds. Szita Toth Klara, Kiss A.S.), Publ. by SZAB, Szeged, 1998.
203. **Ionescu I., Gârban Z., Sârzea S., Boeriu F.** - Biochemical considerations regarding Wilson's disease, pp. 231-234, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998.
202. **Gârban Z., Neagu Chr., Daranyi Gabriela, Holban Nina** – The role of metal ions in muscular activity - particularisation for calcium and magnesium, pp. 207-212, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998
201. **Gârban Z.** - Dynamic characteristics of biological processes in relation with metallic ions., pp. 199-206, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998.
200. **Daranyi Gabriela, Gârban Z., Vincu Mirela, Popa D., Stravropoulos N.** – Metal ions in nutrients and their interrelation with the metaphylaxy and prophylaxy of urolithiasis, pp. 141-144, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998
199. **Gârban Z., Avacovici Adina** – Applications of circular dichroism in the study of the interaction between DNA and metal ions of some trace elements, pp. 65-70, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998
198. **Drăgan P., Gârban Z., Holban Șt.** - Clinical aspects and biochemical pathology in cystinic urolithiasis - peculiarities of the metallic composition, pp. 27-34, in *Metal Elements in Environment, Medicine and Biology*, Tome III (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1998
197. **Gârban Z., Moldovan I., Moldovan Laura, Sigartău Gr., Precob V.** – Homeostatic changes induced by the action of metallic compounds on the materno-fetal complex. Action of cis-platinum on deoxyribonucleic acid and non-protein nitrogenous metabolites (in Romanian), pp.318-319, în "*Al XI-lea Congres Național de Farmacie*", Iași, 8-10 octombrie 1998.
196. **Gârban Z., Daranyi Gabriela** - Mineral nutrients and muscular activity, pp.82-83, in "*The VI International Conference: Dietetic Products and Training Processes*", Novi Sad-Yugoslavia, September 17-18, 1998.
195. **Gârban Z., Daranyi Gabriela, Drăgan P., Avacovici Adina**-Metallograms in simple and mixed urolithiasis, *J. Trace Elements in Experimental Medicine*, 1998, II (4), 376 .
194. **Gârban Z.** - Chronobiochemistry-metabolism relationship in the action of cis-platinum on hepatic DNA and non-protein nitrogen metabolites, *J. Trace Elements in Experimental Medicine*, 1998, II (4), 375 .
193. **Gârban Z., Daranyi Gabriela** -Concept of biochemical homeostasis and heterostasis: implications in molecular pathology and adaptology, *Fiziologia (Physiology)*, New Series, 1998, 3(19), 8, 14.
192. **Vincu Mirela, Sarafolean S., Ilie D., Pleșca Dana, Gârban Z.** – Preliminary studies regarding the distribution of biometals in the human organisms and in some food products of animal origin (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 223-232.
191. **Gârban Z., Sarafolean S., Gergen I., Vincu Mirela, Avacovici Adina, Mircov V.** - Biochemical effects induced by aluminium in tissues and organs of laboratory animals and in humans (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 213-222.
190. **Gârban Z., Găzdoiu Șt., Moldoveanu Mihaela Dana, Pârveu Loredana, Ienei Agneta Maria** – Peculiarities of experiments on laboratory animals in case of some organochlorinated contaminants (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 203-212.
189. **Gârban Z., Ehling Șt., Creț F., Găzdoiu Șt., Gogoșă I., Ienei Agneta Maria, Moldoveanu Mihaela Dana** – Chemical structure and natural distribution of organochlorinated and organophosphoric chemical contaminants (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 191-202.
188. **Riviș A., Gârban Z.** – Characteristic energetic aspects for polycyclic aromatic hydrocarbons and purinic and pyrimidinic derivatives involved in the interactions with DNA-PAH adducts' formation (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 183-190.
187. **Riviș A., Mărutoiu C., Pârveu Loredana, Gârban Z.** – Chemical structure-biological activity relationship in macrocyclic compounds with contaminant action. Note II. Acrydinic, fluorantrenic, fluorenic derivatives (in Romanian), "*Scientific researches: Agroalimentary Processes and Technologies*", Timișoara, 1998, IV, 175-182.

186. **Gârban Z., Măruțoiu C., Riviș A., Pârnu Loredana, Găzdoiu Șt., Ienei Agneta Maria** - Chemical structure-biological activity relationship in macrocyclic compounds with contaminant effects. Note I. Polycyclic aromatic hydrocarbons (in Romanian), "Scientific researches: Agroalimentary Processes and Technologies", Timișoara, 1998, IV, 167-174.
185. **Gârban Z.** - Interaction of deoxyribonucleic acid with divalent metallic ions: Particularisation for Mg ions, pp.331-334, in *Magnesium and interaction of magnesium with trace elements* (Ed. Kiss A.S.), Publ. by the Hungarian Chemical Society, Budapest, 1998.
184. **Daranyi Gabriela, Gârban Z., Avacovici Adina** - Investigations on the composition and etiopathogeny of lithiasis. XXIX. Metallogram of serum, urine and uroconcrements in the surgically treated kidney stone patients, pp.143-150, in *Magnesium and interaction of magnesium with trace elements* (Ed. Kiss A.S.), Publ. by the Hungarian Chemical Society, Budapest, 1998.

1997

183. **Gârban Z., Dumitru M., Daranyi Gabriela, Avacovici Adina, Aumüller Corina, Vincu Mirela, Gergen I.** - Effects of the interaction of deoxyribonucleic acid with Co and Cu ions in vitro and in vivo on materno-fetal complexes, pp. 957-964, in *Mengen- und Spurenelemente, 17. Arbeitstagung 1997*, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 1997
182. **Gârban Z., Nicola Tr., Daranyi Gabriela, Papadaki Artemisia, Moldovan I., Avacovici Adina** - Specific mechanisms in the interaction of cis-platinum with deoxyribonucleic acid and their pharmacological implications, pp.549-558, in *Trace Elements in Human: New Perspectives*, (Ed. Ermidou-Pollet Sophie), Printed by O. Morogianni, Athens, 1997.
181. **Daranyi Gabriela, Gârban Z., Drăgan P.** - Peculiarities of the relationship nutrition - metaphylaxis of urolithiasis. I. Nutritional aspects in oxalic urolithiasis, *Annals of the Institute of Public Health and Medical Research*, Timișoara, New Series 1997, XXII, 5 (14), 61-65.
180. **Precob V., Sarafolean S., Vincu Mirela, Orjanu Loredana, Gârban Z.** - Ethanol action on the biochemical homeostasis of laboratory animals (in Romanian), "Scientific researches: Agroalimentary Processes and Technologies", Timișoara, 1997, III, 83-95.
179. **Riviș A., Gârban Z., Găzdoiu Șt.** - Interaction of deoxyribonucleic acid with polycyclic aromatic hydrocarbons : aspects of the chemical structure-biological activity relationship (in Romanian), "Scientific researches: Agroalimentary Processes and Technologies", Timișoara, 1997, III, 63-83.
178. **Gârban Z., Ionescu I., Vincu Mirela, Aumüller Corina, Găzdoiu Șt.** - About some mechanisms admitted in the genesis of the biochemical lesion at DNA level. V. Interaction of polyanionic DNA with divalent metal ions (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1997, 25, 132.

1996

177. **Holban Șt., Gârban Z., Drăgan P., Holban Nina, Fântână N., Peter F., Găzdoiu Șt., Urzică H., Sarafolean S.** - Methodological principles in the computerized evaluation of the infrared spectra of some urolithiasis and metal composition of uroconcrements, pp.237-242, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
176. **Gârban Z., Nicola Tr., Daranyi Gabriela, Avacovici Adina, Manu Rodica** - Interaction between deoxyribonucleic acid and cis-platinum in vitro and in vivo, pp.209-221, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
175. **Drăgan P., Gârban Z., Daranyi Gabriela, Bucuraș V., Botoca M., Minciu R., Urzică A., Patroi-Popescu Delia, Ehling Șt.** - Investigations on the composition and etiopathogeny of lithiasis. XXVIII. Status of blood and urinary metallogram in relationship with ESWL treatment in urolithiasis, pp.173-176, *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
174. **Daranyi Gabriela, Vincu Mirela, Petroman I., Aumüller Corina, Deacu Ana, Lalescu M., Gârban Z.** - Aspects of food toxicology in humans concerning metals in meat and organs, pp.145-150, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
173. **Daranyi Gabriela, Drăgan P., Gârban Z., Sigartău Gr., Avacovici Adina, Sarafolean S.** - Research on urolithiasis composition by infrared spectroscopy, thermal analysis and atomic absorption spectroscopy, pp.139-144, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
172. **Gârban Z.** - Interaction of deoxyribonucleic acid with divalent metallic ions and structural peculiarities of the resulted complexes, pp.99-108, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
171. **Drăgan P., Gârban Z.** - Purine urolithiasis: peculiarities of the etiopathogeny and composition of uroconcrements, pp.89-98, in *Metal Elements in Environment, Medicine and Biology*, Tome II (Eds. Gârban Z., Drăgan P.), Publishing House Eurobit, Timișoara, 1996.
170. **Gârban Z.** - In vitro and in vivo studies concerning the Zn and Mn effects on deoxyribonucleic acid, pp.794-802, in *Mengen- und Spurenelemente. 16. Arbeitstagung 1996*, Friedrich-Schiller-Universität Jena (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 1996
169. **Daranyi Gabriela, Gârban Z., Drăgan P.** - Investigations concerning the composition and etiopathogeny of urolithiasis, *Annals of the Institute of Public Health and Medical Research*, Timișoara, New Series 1996, XXI, 4 (13), 51-59.
168. **Gârban Z., Riviș A., Găzdoiu Șt., Orjanu Loredana, Pop Mihaela** - Interaction of polycyclic aromatic hydrocarbons with deoxyribonucleic acid and its biomedical implications (in Romanian), pp.44-45, în "Simpozion Jubiliar 45 ani de la înființare", Institutul de Chimie "Raluca Ripan" Cluj-Napoca, Cluj-Napoca, 27 septembrie, 1996.
167. **Gârban Z., Daranyi Gabriela, Drăgan P., Sigartău Gr., Avacovici Adina, Urzică A.** - Investigations on the composition and etiopathogeny of lithiasis. XXVII. Thermal analysis and atomic absorption spectroscopy in the identification of urolithiasis, pp.307-312, in *New Perspectives in the Research of Hardly Known Trace Elements and Their Role in Life Science*, (Ed. Pais I.), University Press of U.H.F., Budapest, 1996.
166. **Daranyi Gabriela, Gârban Z., Drăgan P., Riviș A.** - Investigations on the composition and etiopathogeny of lithiasis. XXVI. Investigations concerning the magnesium, calcium, zinc and copper concentration in binary urolithiasis, p.79, in "6th Magnesium Symposium", Balatonszéplak-Hungary, June 17-19, 1996.

165. Precob V., Gârban Z., Dogaru C., Riviş A., Avacovici Adina, Gâzdoiu St., Şişu E., Văcărescu-Orjanu Loredana – Experimental biochemical data regarding the effect of alcohol on blood lipid metabolites (in Romanian), Vol.II, pp. 163-166, în *“Proceedings of the Scientific Communications Meeting of Aurel Vlaicu University Arad”*, 3rd edition, Arad, May 16-17, 1996.
164. Gârban Z., Deacu Ana, Brînzeu Daniela, Gâzdoiu St., Peter F., Gogoasă I., Băltăceanu Octavia – Organochlorinated compounds involved in food toxicology: particularisation for milk and dairy products (in Romanian), Vol.II, pp. 153-162, în *“Proceedings of the Scientific Communications Meeting of Aurel Vlaicu University Arad”*, 3rd edition, Arad May 16-17, 1996.
163. Daranyi Gabriela, Gârban Z., Dumitru M., Vincu Mirela, Aumüller Corina, Jula Simona – Aspects of food toxicology regarding some metals with toxicogen potential from meat and meat products (in Romanian), Vol.II, pp.147-152, în *“Proceedings of the Scientific Communications Meeting of Aurel Vlaicu University Arad”*, 3rd edition, Arad, May 16-17, 1996.
162. Gârban Z., Daranyi Gabriela, Avacovici Adina, Riviş A., Coveşdean Elisabeta, Şerban L., Rădulescu Diana, Pop Mihaela – Polycyclic aromatic hydrocarbons: structure, food contamination, toxicology, pathogenic implications (in Romanian), Vol.II, pp. 141-146, în *“Proceedings of the Scientific Communications Meeting of Aurel Vlaicu University Arad”*, 3rd edition, Arad, May 16-17, 1996.

1995

161. Gârban Z., Nicola Tr., Daranyi Gabriela, Precob V., Gâtlan Doina, Urzică A. - Action of cis-platinum on homeostasis of serum non-protein nitrogenous metabolites, pp.538-545, in *Mengen- und Spurenelemente, 15. Arbeitstagung 1995*, Friedrich-Schiller-Universität Jena, (Hrsg.Anke M. et al.), Verlag Harald Schubert, Leipzig, 1995
160. Gârban Z., Daranyi Gabriela, Dumitru M., Vincu Mirela, Avacovici Adina, Kovacovics Beatrice, Luþşa Ioana – Investigations concerning the concentration of some metallic elements in meat food products. Note III. Some metallic bioelements in meat, pp. 532-537, in *Mengen- und Spurenelemente, 15. Arbeitstagung 1995*, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M. et al.), Verlag Harald Schubert, Leipzig, 1995
159. Gârban Z., Daranyi Gabriela, Avacovici Adina - Interaction of deoxyribonucleic acid with noxious compounds present in food for human. II. Polycyclic aromatic hydrocarbons as environmental pollutants, pp.631-634, in *Chemistry and the Environment*, (Eds. Todorovic M., Veselinovic D., Golob A.), Printed by Studio “Jovan”, Belgrade, 1995.
158. Gârban Z. - Peculiarities of homeorhesis determined by the interaction of deoxyribonucleic acid with metal trace elements, p.85, in *“46th Annual Meeting of the European Association for Animal Production”*, Prague-Czechoslovakia, September 4-7, 1995.
157. Daranyi Gabriela, Jula Simona, Gârban Z., Găvruta Maria, Vincu Mirela, Avacovici Adina – Preliminary data regarding the concentration of some metallic elements in meat (in Romanian), p.25, în *“Al IV-lea Simpozion de Magneziu”*, Odorheiu-Secuiesc, 6-8 iulie, 1995.
156. Daranyi Gabriela, Gârban Z., Avacovici Adina - Investigations on the composition and etiopathogeny of lithiasis. XXIV. Magnesium and calcium in oxalic and phosphatic urolithiasis, *Magnesium Research, Suppl.*, 1995, 8(1), 21.
155. Daranyi Gabriela, Şoşdean Doina, Gârban Z., Drăgan P.- Investigations on the composition and etiopathogeny of lithiasis. XXIII. Sodium and potassium homeostasis in patients with urolithiasis, *Annals of the Institute of Public Health and Medical Research*, Timișoara, New Series 1994-1995, XX, 3 (12), 91-96.
154. Gârban Z., Daranyi Gabriela, Nicola Tr., Avacovici Adina, Nicula Maria - Interaction of deoxyribonucleic acid with noxious compounds present in food for human. I. Implications of the interactions with organic compounds, pp. 179, în *“Lucrări științifice”*, Semicentenar 1945-1995 Universitatea de Științe Agricole a Banatului Timișoara, Editura Eurobit, Timișoara 1995.
153. Gârban Z., Dumitru M., Lăcătușu R., Gâtlan Doina, Vincu Mirela, Avacovici Adina - Investigation concerning the concentration of some metal elements in meat food products. Note II. Analytical aspects, importance for human nutrition, p.175, în *“Lucrări științifice”*, Semicentenar 1945-1995 Universitatea de Științe Agricole a Banatului Timișoara, Editura Eurobit, Timișoara 1995.
152. Gârban Z., Daranyi Gabriela, Gogoasă I., Vincu Mirela, Luþşa Ioana, Matei Suzana - Investigation concerning the concentration of some metal elements in meat food products, Note I. Preliminary data, pp. 159-162, în *“Lucrări științifice”*, Semicentenar 1945-1995 Universitatea de Științe Agricole a Banatului Timișoara, Editura Eurobit, Timișoara 1995.
151. Gârban Z., Riviş I., Precob V., Gâtlan Doina, Avacovici Adina, Neamțu Lucia, Orjanu Loredana - The action of alcoholic beverages in occasional and chronic consumption in experimental animals, pp.155-158, în *“Lucrări științifice”*, Semicentenar 1945-1995 Universitatea de Științe Agricole a Banatului Timișoara, Editura Eurobit, Timișoara 1995.

1994

150. Gârban Z., Daranyi Gabriela - Peculiarities of the metal composition of cystinic urolithiasis, pp.662-667, in *“Defizite und Überschuss an Mengen- und Spurenelemente in der Ernährung”*, 14. Arbeitstagung Mengen- und Spurenelemente, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M., Meissner D. et al.), Verlag Harald Schubert, Leipzig, 1994
149. Gârban Z. - Investigations concerning the interaction of deoxyribonucleic acid with Cu²⁺ and Mn²⁺ ions, pp.325-330, in *“Defizite und Überschüsse an Mengen- und Spurenelementen in der Ernährung”*, 14. Arbeitstagung Mengen- und Spurenelemente, Friedrich-Schiller-Universität Jena, (Hrsg. Anke M., Meissner D. et al.), Verlag Harald Schubert, Leipzig, 1994
148. Gârban Z., Daranyi Gabriela, Handrea Df. – Modifications of the hepatic deoxyribonucleic acid homeorhesis induced by the action of cyclophosphamide (in Romanian), pp.240-241, în *“Al X-lea Congres Național de Farmacie”*, Cluj-Napoca, 22-24 septembrie, 1994.
147. Gârban Z. - Zinc and copper effects on deoxyribonucleic acid studied in vitro and vivo, pp.357-362, in *“New Perspectives in the research of Hardly Known Trace Elements”* (Ed. Pais I.) University Press of U.H.F.S. Budapest, 1994.
146. Gârban Z., Daranyi Gabriela - Interaction of cis-platinum with deoxyribonucleic acid: biochemical and pharmaceutical aspects, pp.351-356, in *“New Perspectives in the Research of Hardly Known Trace Elements”* (Ed.Pais I.), University Press of U.H.F.S. Budapest, 1994.
145. Gârban Z. - The study of magnesium and zinc interaction with deoxyribonucleic acid by the method of circular dichroism, p.20, in *“5th Magnesium Symposium”*, Balatonszéplak-Hungary, June 27-29, 1994.
144. Daranyi Gabriela, Gârban Z. - Investigations on the composition and etiopathogeny of lithiasis. XXI. Magnesium distribution in uroconcrements, p.19, in *“5th Magnesium Symposium”*, Balatonszéplak-Hungary, June 27-29, 1994.
143. Gârban Z., Daranyi Gabriela, Şişu E., Avacovici Adina, Roncov Fr., Precob V., Gogoasă I., Rădulescu Diana, Vincu Mirela, Holban Nina, Coveşdean Elisabeta - Status of the homeorhesis of main lipid metabolites in chronic alcohol

- consumption: experimental data (in Romanian), pp. 175-180, în *“Realizări tehnice și cultural-științifice arădene”* - Profil Știința alimentului, Sesiunea Științifică din 5-6 mai 1994, Publ.Universitatea “Aurel Vlaicu” Arad, 1994.
142. **Daranyi Gabriela, Avacovici Adina, Gârban Z.** – Investigations on the composition and etiopathogeny of lithiasis. XX. Applications of infrared spectroscopy and thermoanalysis in the study of urolithiasis (in Romanian), pp. 144-149, în *“Realizări tehnice și cultural-științifice pe plaiurile arădene”* - Profil Chimie, Sesiunea Științifică din 5-6 mai 1994, Publ. Universitatea “Aurel Vlaicu” Arad, 1994.
141. **Gârban Z.** - Investigations on the composition and etiopathogeny of lithiasis. XIX. Thermic analysis of uroconcrements with oxalates and urates Investigations on the composition and etiopathogeny of lithiasis. XIX. Thermic analysis of uroconcrements with oxalates and urates (in Romanian) , pp.140-143, în *“Realizări tehnice și cultural-științifice pe plaiurile arădene”* - Profil Chimie, Sesiunea Științifică din 5-6 mai 1994, Publ.Universitatea “Aurel Vlaicu” Arad, 1994.
140. **Gârban Z., Daranyi Gabriela, Avacovici Adina, Palicica R., Coveșdean Elisabeta** – Homeorhesis in the materno-fetal complex in laboratory animals. II. Action of Co and Mn on the hepatic DNA biosynthesis (in Romanian), pp.111-112, *“Diversitatea dezvoltării organismelor, surse de valorificări biotehnologice și socio-economice”*, Sesiunea Științifică din 31 martie - 1 aprilie 1994, București, Publ. Institutul de Biologia Dezvoltării București, 1994.
139. **Riviș I., Văculescu C., Gârban Z., Neamțu Lucia, Nicolescu C., Branea H., Coceala Liana** - Implication of metal elements in the cardiovascular pathology, pp. 197-200, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
138. **Gârban Z., Paraschivoiu R., Borza Rodica, Roncov Fr., Jurebie Livia, Boc Dana, Vincu Mirela, Domnițeanu Camelia** - Food additives with metal content used in the countries of the European Economical Community, pp.107-110, *Metal Element in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
137. **Gârban Z.** - Improvement of a biochemical investigation methodology for food additives which contain metals and some metallic compounds, pp. 103-106, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
136. **Gârban Z.** - Homeorhesis in materno-fetal complex: The act on of Zn and Cu ions on deoxyribonucleic acid biosynthesis, pp. 99-102, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
135. **Drăgan P., Daranyi Gabriela, Bucuraș V., Agapie D., Botoca M., Patroi Delia, Gârban Z.** - Investigations on the composition and etiopathogeny of lithiasis. XVIII. Dishomeostasy of some alkaline and alkaline-earth metals in pre-, postsurgical and ESWL treatment of urolithiasis, pp.91-94, *Metal Elements in Environment, Medicine and Biology* Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
134. **Drăgan P., Gârban Z., Miclea F., Holban Șt.** - Investigations on the composition and etiopathogeny of lithiasis. XVII. Metallic bioelements implicated in molecular pathology - Reference to the pathobiology of urolithiasis, pp.85-90, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
133. **Daranyi Gabriela, Drăgan P., Bucuraș V., Matusz Anca, Papoe Gabriela, Martoni Livia, Gârban Z.** - Investigations on the composition and etiopathogeny of lithiasis. XVI. Metallic composition of cystinic uroconcrements, pp.77-80, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.
132. **Bedrosian Ed., Gârban Z., Stupariu Al., Pârveu D., Urzică A., Găzdoi Șt.** - Peculiarities of the metallic composition of the seminal fluid and some biomedical implications, pp.19-22, *Metal Elements in Environment, Medicine and Biology*, Tome I (Eds. Drăgan P., Gârban Z.), Publishing House Mirton, Timișoara, 1994.

1993

131. **Daranyi Gabriela, Drăgan P., Gârban Z., Șoșdean Doina, Popescu Delia** - Investigations on the composition and etiopathogeny of lithiasis. XV. Calcium and magnesium homeostasy in urolithiasis, *Annals of the Institute of Public Health and Medical Research*, Timișoara, New Series 1993, XIX, 2 (11) 301-304.
130. **Papoe Gabriela, Gârban Z., Păuncu Elena Ana** - Polynuclear aromatic hydrocarbons as environmental noxious factors and effects on the health state, *Annals of the Institute of Public Health and Medical Research*, Timișoara, New Series 1993, XIX, 2 (11), 227-231.
129. **Drăgan P., Daranyi Gabriela, Gârban Z., Peter F.** - Investigations on the composition and etiopathogeny of lithiasis. XII. Determination of some divalent metals in simple urolithiasis, pp. 904-905, in *“Proceedings of the 8th International Symposium on Trace Elements in Man and Animals”*, Dresden-Germany, May 16-21, 1993 (Eds. Anke M., Meissner I.D., Mills C.F.), Verlag Media Touristik, Gersdorf, 1993.
128. **Gârban Z., Aumüler Corina, Daranyi Gabriela, Riviș A., Precob V.** - Implications of the chronobiochemistry-metabolism relationship in the induction of homeostasis changes. IV. The action of Cu^{2+} and Mn^{2+} on hepatic DNA biosynthesis and on serum proteins, pp. 164-167, in *Proceedings of the 8th International Symposium on Trace Elements in Man and Animals”*, Dresden-Germany, May 16-21, 1993 (Eds. Anke M., Meissner D., Mills C.F.), Verlag Media Touristik, Gersdorf, 1993.
127. **Drăgan P., Gârban Z., Daranyi Gabriela, Peter F., Popescu Delia** - Investigations on the composition and etiopathogeny of lithiasis. XI. Alkaline and alkaline-earth metals in uroconcrements and biochemical homeostasis, *Timișoara Medicală*, 1993, XXXVIII, (1-2), 43-46
126. **Gârban Z., Gergen I.** – Peculiarities of the biochemical dyshomeostasis induced by alcohol consumption. II. Effects on the carbohydrates and hydroelectrolytes metabolism (in Romanian), *“Lucrări științifice”*, Partea III, Universitatea de Științe Agricole a Banatului, Timișoara 1993, XXVII, 575-578.

1992

125. **Gârban Z., Nicola Tr., Eremia Iulia** - Interaction of deoxyribonucleic acid with cis-platinum (in Romanian), pp.56-57, în Simpozionul *“Probleme de patologie animală”*, Universitatea de Științe Agricole a Banatului, Timișoara 5-7 noiembrie 1992.
124. **Drăgan P., Daranyi Gabriela, Gârban Z., Sayti L.** - Investigations on the composition and etiopathogeny of lithiasis. X. Alkaline and alkaline-earth metals in mixed urolithiasis, p.9, in *“Proceedings of the Third Symposium of the Romanian Society of Biominerals”*, Odorheiu Secuiesc, October 1-3, 1992.
123. **Gârban Z., Drăgan Simona, Daranyi Gabriela, Sayti L., Eremia Iulia** - In vitro and in vivo investigations concerning the interaction of deoxyribonucleic acid Cu^{2+} and Mn^{2+} ions, p.6, in *“Proceedings of the Third Symposium of the Romanian Society of Biominerals”*, Odorheiu Secuiesc, October 1-3, 1992.
122. **Gârban Z., Daranyi Gabriela, Jurebie Livia** – Implications of the chronobiochemistry-metabolism relationship in inducing homeostatic changes. III. Action of some alkaline-earth metals ions on DNA (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1992, 20, 125.

121. **Daranyi Gabriela, Drăgan P., Șoșdean Doina, Negrea Gertrude, Gârban Z., Popescu Delia** – Investigations on the composition and etiopathogeny of lithiasis. IX. Peculiarities of urolithiasis in youth (in Romanian), *Analele Institutului de Sănătate Publică și Cercetări Medicale, Timișoara* 1992, XVIII, 1 (10), 76-79.
120. **Gârban Z., Daranyi Gabriela, Gergen I., Prunkl Agneta** - Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. IX. Effects on some divalent metals, Publ. in “*Review of trace- and macroelement research*”, Cluj-Napoca, 1992, 1, 66.
119. **Drăgan P., Daranyi Gabriela, Matusz-Vâlceanu Anca, Peter F., Bene Cristina, Gârban Z.** - Investigations on the composition and etiopathogeny of lithiasis. VII. Some metal trace elements in simple urolithiasis, Publ. in “*Review of trace- and macroelement research*”, Cluj-Napoca, 1992, 1, 67.

1991

118. **Gârban Z., Munteanu I., Daranyi Gabriela, Nemeș Radita, Manu Rodica** - The action of cis-platinum on hepatic DNA and some non-protein nitrogen metabolites in the materno-fetal complex in rats, *Placenta Int. J.*, 1991, 12, 5.
117. **Gârban Z., Daranyi Gabriela, Borza-Țeicu Iconia, Sayti L., Eremia Iulia** – Implications of the chronobiochemistry-metabolism relationship in inducing homeostatic changes. II. Action of some metallic ions on DNA biosynthesis (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1991, 19, 98.

1990

116. **Gârban Z., Drăgan P., Daranyi Gabriela, Riviș I., Mareș A., Eremia Iulia** - The effects of cis-platinum and cyclophosphamide on deoxyribonucleic acid, p.52, in “*XIth International Symposium on Medicinal Chemistry*”, Jerusalem-Israel, September 2-7, 1990.
115. **Gârban Z., Drăgan P., Daranyi Gabriela, Nemeș Gisela, Șișu E., Șoșdean Doina, Martoni Livia** - Etudes biochimiques sur quelques métaux presents dans les urolithiases. II. Determination de quelques métaux transitionnels, *Rev.roum.Biochim.*, 1990, 27 (3), 209-216
114. **Gârban Z., Daranyi Gabriela, Gergen I., Prunkl Agneta, Ștefan Carmen, Gogoșă I.** - Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. VII. Effects on some alkaline and alkaline-earth metals of blood serum, *Rev. roum. Morphol.-Embryol.*, 1990, XXXVI, 3, 167-177
113. **Drăgan P., Gârban Z., Bordoș D., Peter F., Martoni Livia** - Investigations on the composition and etiopathogeny of lithiasis. III. Phosphatic urolithiasis, p.146, in “*20th FEBS Meeting*”, Budapest-Hungary, August 19-24, 1990.
112. **Gârban Z., Daranyi Gabriela, Bucuraș V., Prunkl Agneta, Precob V.** - Dishomeostasy of DNA, Mg²⁺ and non-protein nitrogen metabolites induced by cis-platinum, p.49, in “*20th FEBS Meeting*”, Budapest-Hungary, August 19-24, 1990.
111. **Gârban Z., Popescu C., Daranyi Gabriela, Șișu E.** – Polarographic study of the electrochemical changes in the nitrogenous bases of nucleic acids (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1990, 18, 30.
110. **Sandor S., Checiu Maria, Fazakas-Todea Ileana, Gârban Z., Checiu I., Ștefănescu S.** - Alcohol - Risk Factor in Prenatal Pathology (Alcohol Embryo- and Fetopathy), *Santé Publique*, 1990, 1, 11, 69-76
109. **Gârban Z., Sandor S., Daranyi Gabriela, Prunkl Agneta, Precob V., Gergen I., Eremia Iulia** - Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. V. Late fetal effects of acute intoxication during preimplantation period, *Rev.roum.Morphol.-Embryol.*, 1990, XXXVI, 1, 59-68

1989

108. **Gârban Z., Daranyi Gabriela, Borza-Țeicu Iconia, Nemeș Radita, Precob V.**- Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. IV. Late maternal effects following acute intoxication during the preimplantation period, *Rev.roum.morphol.-Embryol.*, 1989, 4, 289-295
107. **Gârban Z., Ciubotariu D, Borza-Țeicu Iconia, Văcărescu G.** - Studies on the interaction of deoxyribonucleic acid with magnesium and zinc ions, pp. 16-17, in “*International Congress on Magnesium Research*”, Târgu Mureș, September 21-24, 1989.
106. **Drăgan P., Gârban Z., Daranyi Gabriela, Nemeș Gisela, Mureșan Codruța, Manu Rodica** - Comparative data concerning magnesium and calcium in simple urolithiasis, p.12, in “*International Congress on Magnesium Research*”, Târgu Mureș, September 21-24, 1989.
105. **Gârban Z., Drăgan P., Ciubotariu D., Peter F., Mureșan Codruța, Mișoș M.** - Investigations on the composition and etiopathogeny of lithiasis. I. Purine urolithiasis, *Rev.roum. Biochim.*, 1989, 26 (3), 201-208
104. **Drăgan P., Gârban Z., Ciubotariu D., Nemeș G.**-Investigations on the metal composition and etiopathogeny of urolithiasis, P.XVIII.61, 1-9, “*Sixth International Symposium on Molybdenum, Vanadium and Other Trace Elements*”, Jena-Germany, July 3-6, 1989.
103. **Gârban Z., Daranyi Gabriela., Văcărescu G., Eremia Iulia**-Interactions of DNA with metals in molecular pathology - Particularisation concerning cobalt action, P.XIII, 23, 1-9, “*Sixth International Symposium on Molybdenum, Vanadium and Other Trace Elements*”, Jena, July 3-6, 1989.
102. **Ciubotariu D., Simon Z., Gârban Z., Holban Șt., Chiriac A.**- Studies regarding the quantitative relationship chemical structure-biological activity in the interaction of carbamic derivatives with methylcholinesterases (in Romanian), *St. și cerc.biochim.*, 1989, 32 (1), 16.
101. **Gârban Z., Ciubotariu D., Daranyi Gabriela, Borza-Țeicu Iconia, Oprian G., Palicica R., Eremia Iulia** – Interaction of deoxyribonucleic acid – transitional metals with implications in molecular pathology (in Romanian), *St. și cerc.biochim.*, 1989, 32 (1), 39.
100. **Daranyi Gabriela, Precob V., Eremia Iulia, Prunkl Agneta, Ștefan Carmen, Gârban Z.** – Homeostatic changes induced by the action of ethanol on the materno-fetal complex in rats. VI. Effects of chronic and acute administration of ethanol (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1989, 17, 95.
99. **Gârban Z., Dancău G., Daranyi Gabriela, Erdelean R., Văcărescu G., Precob V., Eremia Iulia, Udriște C.** - Implication of chronobiochemistry-metabolism relationship in the induction of homeostasis changes. I. The action of cis-platinum on hepatic DNA biosynthesis and on some serum metabolites in rats, *Rev. roum. Biochim.*, 1989, 26(2), 107-117
98. **Drăgan P., Gârban Z., Miclea F., Ciubotariu D., Peter F., Mureșan Codruța, Mișoș M.** – Diagnosis of purinic urolithiasis by infrared spectroscopy (in Romanian), p.54, în “*A XV-a Sesiune Științifică a cadrelor didactice*”, Institutul de Medicină Timișoara, Timișoara 12 mai 1989.

1988

97. Mateescu Virginia, Gârban Z., Daranyi Gabriela, Matei C. - Considerations on the effects of heterologous DNA and on the interaction mechanisms at the level of avian ovarian follicle, *Bulletin de l'Academie des Sciences Agricoles et Forestiers de Roumanie*, 1988, 17, 263-268.
96. Gârban Z., Daranyi Gabriela, Văcărescu G., Precob V., Eremia Iulia, Prunkl Agneta, Mracec Maria – Chronobiochemical changes induced by cis-platinum in laboratory animals (in Romanian), p.56, în “Zilele Academice Clujene” - Simpozionul “Influențe xenobiotice asupra sistemelor biologice”, Cluj-Napoca 24-25 noiembrie 1988.
95. Sandor S., Checiu Maria, Fazakas-Todea Ileana, Gârban Z., Checiu I., Ștefănescu S. – Alcohol as risk factor in prenatal pathology: alcoholic ambryo- and fetopathy (in Romanian), p.63, în “Al VI-lea Congres Național de Igienă, Medicina muncii, Medicină socială”, București 20-22 octombrie 1988.
94. Gârban Z., Drăgan P., Văcărescu G., Eremia Iulia, Bucuraș V., Precob V.–Implications of the interaction of deoxyribonucleic acid and some purinic derivatives with metal ions (in Romanian), Vol.III, pp.811-812, în “Al III-lea Congres Național de Chimie”, București 21–24 septembrie 1988.
93. Gârban Z., Daranyi Gabriela, Munteanu I., Sigartău Gr., Eremia Iulia, Mracec Maria - Homeostasis changes in materno-fetal complex. IV.Cis-platinum action on rat conceptuses, *Teratology*, 1988, 38(2), 19A.
92. Gârban Z., Văcărescu G., Daranyi Gabriela, Popeți Doina, Eremia Iulia, Maurer Ana - Chemical structure-biological activity relationship in the interaction of DNA with cis-platinum, Vol.V, p.80, în “14th International Congress of Biochemistry”, Prague-Czechoslovakia, July 10-15, 1988.
91. Dancău G., Daranyi Gabriela, Roth L., Gârban Z. - Drugs with substituted nitrogen mustards in antitumoral chemotherapy. II. Cyclophosphamide - pharmacodynamic and therapeutic aspects, Vol.II, p.186, în “14th International Congress of Biochemistry”, Abstracts, Prague-Czechoslovakia, July 10-15, 1988.
90. Drăgan P., Gârban Z., Neamțu Lucia, Nemeș Gisela, Giurgiulescu Elena - Oxalic and phosphatic urolithiasis investigated by spectrometric methods, Vol.II, p.157, în “14th International Congress of Biochemistry”, Prague - Czechoslovakia, July 10-15, 1988.
89. Daranyi Gabriela, Eremia Iulia, Văcărescu G., Maurer Ana, Neda I., Gârban Z. – Some considerations regarding the action of cis-platinum on deoxyribonucleic acid. IV. Comparative data between cis-platinum and cyclophosphamide (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1988, 13, 137.
88. Gârban Z., Daranyi Gabriela, Erdelean R., Nemeș Radița, Gergen I., Prunkl Agneta, Mureșan Codruța, Dop Beatrice - Homeostasis changes induced by the action of metal compounds in materno-fetal complex. III. The action of cis-platinum in rat conceptuses during advanced pregnancy, *Rev. roum. Biochim.*, 1988, 25 (2), 121-129
87. Gârban Z., Daranyi Gabriela, Văcărescu G., Precob V., Eremia Iulia, Popeți Doina, Maurer Ana- Homeostasis changes induced by the action of metal compounds in the materno-fetal complex. II. The action of cis-platinum in rat females during advanced pregnancy, *Rev. roum. Biochim.*, 1988, 25 (2), 113-120

1987

86. Gârban Z., Daranyi Gabriela, Precob V., Miklos J, Maurer Ana, Prunkl Agneta, Mureșan Codruța, Perța Doina, Hațegan Maria - Homeostasis changes induced by the action of metal compounds in the materno-fetal complex. I. The action of cis-platinum in early development of rats, *Rev. roum. Morphol.-Embryol.*, 1987, 1, 4, 249-259
85. Gârban Z., Maurer Ana, Daranyi Gabriela, Precob V., Văcărescu G., Eremia Iulia – Some considerations regarding the action of cis-platinum on deoxyribonucleic acid. III. Investigations on the materno-fetal complex (in Romanian), *Buletinul Societății Naționale de Biologie Celulară*, București, 1987, 12, 124.
84. Drăgan P., Gârban Z., Ciubotariu D., Giurgiulescu E., Nemeș G., Holban Șt.-Spectroscopy and computer in the investigation of urolithiasis, p.181, in “18th Federation of European Biochemical Societies Meeting”, Ljubljana-Yugoslavia, June 28-July 3, 1987.
83. Gârban Z., Drăgan P., Nemeș Gisela, Daranyi Gabriela, Sigartău Gr., Șișu E., Mureșan Codruța - Biochemical studies on some metals present in urolithiasis. II. Determination of the main alkaline and alkaline-earth metals, *Rev. roum. Biochim.*, 1987, 24 (3), 221-227

1986

82. Drăgan P., Gârban Z., Nemeș Gisela, Giurgiulescu Elena, Mihalca Victoria - Considerations concerning the etiopathogeny of urolithiasis and the composition of the spectroscopically investigated calculi. II. Oxalic lithiasis, *Timișoara Medicală, Supplement*, 1986, XXXI, 10-19.
81. Gârban Z., Maurer Ana, Miklos J, Repanovici Rodica, Daranyi Gabriela, Precob V., Sayti L., Popeți Doina - Some considerations concerning the action of cis-platinum on deoxyribonucleic acid. I. Investigations in vitro and in vivo, *Rev. roum. Biochim.*, 1986, 23 (4), 293-302
80. Gârban Z., Precob V., Daranyi Gabriela, Eremia Iulia, Tudora Georgeta - Homeostasis changes induced by chronic alcoholization in the materno-fetal complex in rats, *Teratology*, 1986, 34(3), 414
79. Gârban Z., Daranyi Gabriela, Tămaș Marta, Miklos J, Borza Iconia, Nemeș Radița, Precob V. - Investigations on the action of cis-platinum on the deoxyribonucleic acid in vitro and in vivo, “14th International Cancer Congress”, Abstracts of Lectures, Symposia and Free Communications, Vol.3, p.1187, Budapest-Hungary, August 21-27, 1986, Publ.by S.Karger AG-Basel/Akadémiai Kiadó Budapest, 1986.
78. Dancău G., Gârban Z., Roth L., Tămaș Marta, Ioniță Hortensia, Suciuc Rodica - Application of COPP polychemotherapy in the advanced stages of Hodgkin's disease, “14th International Cancer Congress”, Abstracts of Lectures, Symposia and Free Communications, Vol.I, p.443, Budapest-Hungary, August 21-27, 1986, Publ.by S.Karger AG-Basel/Akadémiai Kiadó Budapest, 1986.
77. Gârban Z., Roth L., Ion N., Mărculescu E., Brazdă Maria, Siniteanu A., Mureșan Codruța, Neda G. – Nitrogen mustard alkylating drugs used in antitumoral chemotherapy. Structural peculiarities, mechanism of action (in Romanian), *Timișoara Medicală*, 1986, XXXI, 3, 71-84.
76. Drăgan P., Gârban Z., Ciubotariu D., Giurgiulescu Elena, Holban Șt., Bucuraș V. - Investigations on urolithiasis by means of infrared spectroscopy and computer, *Rev. roum. Biochim.*, 1986, 23 (3), 161-169

75. **Gârban Z., Eremia Iulia, Nemeş Radiţa, Precob V., Ştefan Carmen** - Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats, III. The effect of ethanol supplemented by a Zn salt, *Rev. roum. Morphol.-Embryol.*, 1986, XXXII, 3, 165-174
74. **Gârban Z., Daranyi Gabriela, Borza Iconia, Jianu F., Brazda Maria, Nemes Radita, Eremia Iulia** – Homeostasis changes induced by cobalt in the materno-fetal complex in rats (in Romanian), *Buletinul Societăţii Naţionale de Biologie Celulară*, Bucureşti, 1986, 9,136.
73. **Sandor S., Checiu Maria, Fazakas-Todea Ileana, Gârban Z.** – Experimental alcohol blastopathy in experimental animals (in Romanian), *Buletinul Societăţii Naţionale de Biologie Celulară*, Bucureşti, 1986, 9, 134.
72. **Sandor S., Checiu Maria., Fazakas-Todea Ileana, Gârban Z.** - Experimental alcohol blastopathy, *Teratology*, 1986 33(2), 28A
71. **Gârban Z., Daranyi Gabriela, Ţeicu-Borza Iconia, Jianu F., Brazdă Maria, Nemeş Radiţa, Eremia Iulia** - Homeostasis changes induced by cobalt action on the materno-fetal complex in rats. I. Biochemical and somatometric aspects, *Teratology*, 1986, 33(2), 17A-18A.
70. **Pană I., Mihalca Victoria, Gârban Z., Mioc T., Şerban A., Vaskor Elena** – Radiologic aspects of the bones joints modifications in a case of scleroderma (in Romanian), *Radiologia*, 1986, V, 1, 47-56.

1985

69. **Drăgan P., Gârban Z., Ciobotariu D., Holban Şt., Giurgiulescu Elena** - Application of the computer in the interpretation of the infrared spectra to determine the composition in urolithiasis, "*Baki.Hamaabada*" - *Israel J. Clin. Biochem. and Lab. Sci.*, 1985, 4(1-3), 12.
68. **Gârban Z., Maurer Ana, Repanovici Rodica, Mărculescu E., Miklos J., Daranyi Gabriela, Popeţi Doina, Mihalca Victoria** – Implications of the interaction of deoxyribonucleic acid with platinum compounds with antitumoral activity (in Romanian) , p.208, în "*Al III-lea Simpozion al medicamentului românesc*", Bucureşti 21-22 decembrie 1985.
67. **Gârban Z., Sandor S., Eremia Iulia, Precob V., Sere I.** -Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. II. Biosynthesis of fetal hepatic DNA and somatic development of the conceptuses, *Rev. roum. Biochim.*, 1985, 22(4), 263-268
66. **Gârban Z., Sandor S., Daranyi Gabriela, Eremia Iulia, Tudora Georgeta** - Homeostasis changes induced by the action of ethanol on the materno-fetal complex in rats. I. Hepatic DNA and some serum metabolites in pregnant females, *Rev. roum. Biochim.*, 1985, 22(3), 191-199
65. **Gârban Z., Holban Şt., Brazdă Maria, Ciobotariu D., Văcărescu G.** – Some problems of molecular pathology in chemical carcinogenesis. I. Interaction of deoxyribonucleic acid with polycyclic compounds (in Romanian), *St. Şi cerc. de biochim.*, 1985, 28 (1), 31- 40.
64. **Roth L., Daranyi Gabriela, Popeţi Doina, Ioniţă Hortensia, Mihăescu Rodica, Gârban Z.** – Therapeutic peculiarities in Hodgkin lymphogranulomatosis (in Romanian), pp.315-320, în "*Simpozionul de Farmacodinamie*", Timişoara 11 mai 1985.
63. **Gârban Z., Brazdă Maria, Roth L., Neamţu Lucia, Manu Rodica, Precob V., Ţeicu Iconia** –Chemical structure-biological activity relationship of platinum compounds with cytostatic action (in Romanian), pp. 182-187, în "*Simpozionul de Farmacodinamie*", Timişoara 11 mai 1985.
62. **Dancău G., Gârban Z., Brazdă Maria, Văcărescu G., Nemeş Radiţa, Simteanu A.** – Considerations regarding the cytostatic action of some compounds from nitrogen mustard alkylating agents (in Romanian), pp.150-157, în "*Simpozionul de Farmacodinamie*", Timişoara 11 mai 1985.
61. **Gârban Z., Drăgan P., Nemeş Gisela, Daranyi Gabriela, Popeti Doina, Martoni Livia** -Considerations on the metal composition of the calculi in urolithiasis, p.81, in "*Meeting of the Federation of European Biochemical Sciences: Metal Ions, Proteins and Membranes*", Algarve-Portugal, April 21-26, 1985.
60. **Gârban Z., Sandor S., Eremia Iulia, Voiculescu Livia** - Effect of alcoholization upon maternal and fetal hepatic DNA and the maternal serum proteins in pregnant albino rats, *Rev. roum. Morphol.-Embryol.*, 1985, XXXI, 1, 9-16

1984

59. **Gârban Z., Eremia Iulia, Mureşan Ana, Mureşan I., Mareş A.** - Circadian modifications in the chronobiochemistry of the hepatic DNA biosynthesis in laboratory animals under the action of some metals (in Romanian), "*Lucrări ştiinţifice*", Institutul Agronomic Timişoara, 1984, XIX, 147-158.
58. **Gârban Z., Şchiop D., Daranyi Gabriela, Popeţi Doina, Tămaş Marta, Manu Rodica** - On some molecular mechanisms admitted in the genesis of biochemical injury at DNA level. IV. Interaction of DNA with aflatoxines (in Romanian), "*Lucrări ştiinţifice*", Institutul Agronomic Timişoara, 1984, XIX, 138-146.
57. **Sandor S., Checiu M., Fazakas-Todea I., Gârban Z.** – Experimental approach to the alcohol embryo- and fetopathy, *Advances in the Biosciences*, 1984, 47(C), 13-34
56. **Gârban Z., Daranyi Gabriela, Miklos J, Tudora Georgeta, Manu Rodica, Palicica R.** - The action of Co on the hepatic deoxyribonucleic acid biosynthesis and on the serum proteins and lipids in pregnant female rats, pp.190-191, in "*Third International Conference on Water and Ions in biological Systems*", Bucharest, October 2-6, 1984.
55. **Checiu Maria., Sandor S., Gârban Z.** - The effect of ethanol upon early development in mice and rats. VI. In vivo effect of acetaldehyde upon preimplantation stages in rats, *Rev.roum. Morphol.-Embryol.*, 1984, 3, 175-184
54. **Sandor S., Fazakas-Todea Ileana, Checiu Maria, Gârban Z.** – Some aspects of the embryology-experimental teratology relationship with medical practice: embryonary transfer and teratologic testing (in Romanian), *Caiet documentar*, Publ. Centrul de Igienă şi Sănătate Publică Timişoara, 1984, IX, 24-25.
53. **Gârban Z., Eremia Iulia, Daranyi Gabriela** - Chronobiochemical aspects of the hepatic DNA biosynthesis in experimental animals under the action of some metals, *J. Embryol. exp. Morph. Suppl. Cambridge*, 1984, 1, 6.
52. **Vancea R., Ciobotariu D., Holban Şt., Gârban Z., Drăgan P., Gogonea V., Manu Rodica, Panaitescu Valeria** – Recognition techniques for the forms used to evaluate infrared spectra in investigation of urolithiasis (in Romanian), pp. 95-96, în "*Al VII-lea Simpozion de informatică medicală*", Timişoara 8-9 iunie 1984.
51. **Drăgan P., Gârban Z., Holban Şt., Ciobotariu D., Nica Lucia, Giurgiulescu Elena, Sayti L., Cristescu Lucia** – Microcomputers applied in the interpretation of infrared spectra to determine the composition of urolithiasis (in Romanian), pp.93-94, în "*Al VII-lea Simpozion de informatică medicală*", Timişoara 8-9 iunie 1984.
50. **Vâlceanu R., Gârban Z., Neda I., Roth L., Brazdă Maria, Văcărescu G.**– Investigations on the releasing of the pharmacologic active group in ciclophosphamide (in Romanian), *Timişoara Medicală*, 1984, XXIX, 1, 34-39.

49. **Roth L., Ioniță Hortensia, Gârban Z., Borza-Teicu Iconia, Daranyi Gabriela, Popeți Doina, Brazdă Maria** – Results of chemotherapy in advanced stages of Hodgkin lymphogranulomatosis: clinical aspects and paraclinical modifications (in Romanian), *Timișoara Medicală*, 1984, XXIX, 1, 15-21.
48. **Gârban Z., Voiculescu Livia, Checiu Maria, Erema Iulia** - Influence of zinc and cobalt on the deoxyribonucleic acid biosynthesis and on the genetic information transmission in experimental animals. II. Effect on the serum proteins biosynthesis and on the embryony development, *Rev. roum. Biochim.*, 1984, 21(2), 109-117
47. **Gârban Z., Daranyi Gabriela, Miklos J, Manu Rodica** - Influence of zinc and cobalt on the deoxyribonucleic acid biosynthesis and on the transmission of the genetic information in experimental animals. I. Effect on the biosynthesis of hepatic deoxyribonucleic acid, *Rev. roum. Biochim.*, 1984, 21 (1), 25-31
46. **Gârban Z., Voiculescu Livia, Checiu Maria, Eremia Iulia** - The action of Zn and Co upon DNA synthesis and serum proteins during prenatal development of albino rats, *Teratology*, 1984, 29(3), 23A-24A.

1983

45. **Pană I., Gârban Z., Mihalca Victoria, Brazdă Maria, Sayti L.** – Comparative aspects regarding the action of X radiations and cyclophosphamide (in Romanian), *Radiologia*, 1983, XXI, 4, 285-296.
44. **Gârban Z., Nemes Gisela, Martoni Livia, Daranyi Gabriela, Popeți Doina, Drăgan P.** – Use of atomic absorption spectroscopy in the deceleration of metal composition of calculi in urolithiasis (in Romanian), *Timișoara Medicală*, 1983, XXVIII, 4, 35-40.
43. **Drăgan P., Gârban Z., Ciubotariu D., Holban Șt., Laslău A., Mihalca Victoria, Cristescu Lucia** – Possibilities to use the computer in the interpretation of infrared spectra of urolithiasis (in Romanian), *Timișoara Medicală*, 1983, XXVIII, 1, 13-18.

1982

42. **Sandor S., Checiu Maria, Fazakas-Todea Ileana, Gârban Z.** - Experimental approach to the alcohol embryo- and fetopathy, p.27, in “20th International Congress on Applied Psychology - Satellite Symposium on Alcoholism”, Edinburgh-United Kingdom, July 25-31, 1982.
41. **Gârban Z., Nemeș Gisela, Martoni Livia, Daranyi Gabriela, Drăgan P.** – Use of atomic absorption spectroscopy for the deceleration of cationic composition of urinary calculi – Preliminary note (in Romanian), p.79, în “A XII-a Sesiune Științifică a cadrelor didactice”, Institutul de Medicină Timișoara, Timișoara 15 mai 1982.
40. **Podar C., Gârban Z., Silvaș E., Roman M., Ciorlăuș A.T., Ștef L.** – Mycotic contamination and its implications in the pathology of taurine cattle (in Romanian), *Rev. Creșt Anim.*, București, 1982, 32, 2, 46-50.

1981

39. **Gârban Z., Cristescu Lucia, Mihalca Victoria, Drăgan P.** – Considerations on the bioinorganic mechanism in the pathogenesis of purinic urolithiasis (in Romanian), *Timișoara Medicală*, 1981, XXVI, 4, 54-61.
38. **Drăgan P., Gârban Z., Szabadai Z., Cristescu Lucia, Stoicoiu Maria** – Applications of infrared spectroscopy for the rapid deceleration of renal calculi composition (in Romanian), *Timișoara Medicală*, 1981, XXVI, 4, 41-48.
37. **Sandor S., Gârban Z., Checiu Maria, Daradics L.** - The presence of ethanol in the oviductal and uterine luminal fluid of alcoholized rats, *Rev. roum. Morphol.-Embryol.*, 1981, I, 4, 303-309
36. **Daradics L., Gârban Z., Sandor S., Checiu Maria** - A gas chromatographic micro-method used for detection of ethanol in some biological liquids, *Rev. roum. Morphol.-Embryol.*, 1981, 4, 299-302
35. **Gârban Z., Voiculescu Livia, Checiu A, Eremia Iulia** – Action of Zn and Co on the biosynthesis of hepatic DNA and seric proteins in laboratory animals during gestation (in Romanian), pp.453-454, în “Al II-lea Congres Național de Chimie”, Rezumate, Vol.II, București 7-10 septembrie 1981.
34. **Sandor S., Gârban Z., Daradics L., Checiu Maria** – Aspects regarding ethanol dosage in the oviductal and uterin lumen of alcoholised rats (in Romanian), *Căiet documentar*, Publ. Centrul de Igienă și Sănătate Publică Timișoara, 1981, III, 87-89.
33. **Gârban Z., Daranyi Gabriela, Sigartău Gr., Atim Ileana** –Some molecular mechanisms admitted in the genesis of biochemical injury at DNA level. II. Interaction of DNA with polycyclic aromatic hydrocarbons (in Romanian), *Colecția Enciclopedia Oncologică: Cancerul -Oncologie comparată*, Publ. Institutul Oncologic Cluj-Napoca, 1981, 6, 487.
32. **Vâlceanu R., Vâlceanu Nicoleta, Gârban Z., Neda I., Voiculescu Livia, Török Dana, Eremia Iulia** – Effect of cyclophosphamide (CpR) on the biosynthesis of hepatic DNA and seric proteins in rats (in Romanian), *Colecția Enciclopedia Oncologică: Cancerul-Oncologie comparată*, Publ. Institutul Oncologic Cluj-Napoca, 1981, 6, 412.
31. **Sandor S., Checiu A, Fazakas-Todea Ileana, Gârban Z.** -The alcohol embryopathy-solved and unsolved problems, *Teratology*, 1981, 24(2), 21A.
30. **Gârban Z., Eremia Iulia, Török Dana, Sere I.** – Action of some metals on the biosynthesis of hepatic DNA in rats (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1981, XVIII, 36-41.
29. **Gârban Z., Moldoveanu Cecilia, Daranyi Gabriela, Sigartău Gr.** – Structural characteristics of deoxyribonucleic acid's complexes with divalent metals (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1981, XVIII, 23-35.
28. **Vintilă I., Gârban Z., Checiu A, Sandor S.** – Effects of intraperitoneal administration of ZnCl₂ and CoCl₂ in pregnant female rats on the transmission of genetic information (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1981, XVIII, 1-7.

1980

27. **Sandor S., Checiu Maria, Fazakas-Todea Ileana, Gârban Z.** - The effect of ethanol upon early development in mice and rats. I. In vivo effect upon preimplantation and early postimplantation stages, *Rev. roum. Morphol.-Embryol.*, 1980, XXVI, 3, 65-274
26. **Menkes B., Vâlceanu R., Neda I., Prelipceanu Oltea, Checiu I., Gârban Z.** - Vitalfluorochromierung als Mittel zum Studium der Beziehungen zwischen chemischer Struktur und cytotoxischen Effekt bei einigen Alkylantien, *Rev. roum. Morphol.-Embryol.*, 1980, XXVI, 2, 119-123

25. **Gârban Z., Miklos J., Daranyi Gabriela, Suci Otilia** – Investigation of the interaction of deoxyribonucleic acid with divalent metals by the method of circular dichroism. II. Interaction with transitional metals (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1980, XVII, 109-117.
24. **Gârban Z., Miklos J., Kezdi Maria** - Investigation of the interaction of deoxyribonucleic acid with divalent metals by the method of circular dichroism. I. Interaction with alkaline-earth metals (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1980, XVII, 99-107.
23. **Pintea V., Gârban Z., Popa G., Donecea A., Slatina N.** – Induced informative disjunctions: particularisations for vasectomy (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1980, XVII, 95-98.

1979

22. **Gârban Z., Daranyi Gabriela, Panduru J., Moldoveanu Cecilia, Tomescu Maria** - Deoxyribonucleic acid and heterocyclic nucleobases from the composition of seminal material (in Romanian), “*Lucrări științifice*”, Inst. Agr. Timișoara, 1979, XVI, 137-145.
21. **Gârban Z., Năforniță I., Panduru J., Daranyi Gabriela, Poraicu D., Bedrosian E., Moldoveanu Cecilia** – Potentiometric micromethod for pH determination in seminal material (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1979, XVI, 131-136.
20. **Gârban Z., Daranyi Gabriela, Panduru J., Moldoveanu Cecilia, Stoicoiu Mariana** - Aspects of chronobiochemistry specific for the hydroelectrolytic metabolism (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1979, XVI, 111-120.
19. **Gârban Z., Miklos J., Panduru J., Daranyi Gabriela, Tomescu Maria** – Applications of circular dichroism in the study of the interaction of deoxyribonucleic acid with divalent metals – Preliminary note (in Romanian), “*Lucrări științifice*”, Institutul Agronomic Timișoara, 1979, XVI, 39-47.

1977

18. **Pintea V., Gârban Z.** –Problems of chronobiochemistry in industrial systems of animal breeding (in Romanian), p.15, în Simpozionul “*Metode noi de sporire a producției la animale*”, Iași 1-3 decembrie 1977.

1975

17. **Bogdan A.T., Cosmuța V., Feredean T., Pura G., Gârban Z., Kulcsar Miroslava, Morar R., Laslo C., Dobrescu C., Bogdan Inge, Manta D., Farcaș N., Tănăsescu C., Cristea C.** – Researches on the correlation between some biochemical compounds of boar's seminal material and the gestation of sows (in Romanian), p.79, în Simpozionul “*Probleme de actualitate practică privind reproducția și glanda mamară la animale*”, Cluj-Napoca 25-26 aprilie 1975.
16. **Bogdan A.T., Solyom P., Boieru C., Gârban Z., Magdun Rodica, Velea C., Bogdan Inge, Manta D., Kulcsar Miroslava, Angi Ecaterina, Cristea C.** – Researches on the correlation between some biochemical components of bull's seminal material and the gestation of cows (in Romanian), p.45, în Simpozionul “*Probleme de actualitate practică privind reproducția și glanda mamară la animale*”, Cluj-Napoca 25-26 aprilie 1975.

1969

15. **Gârban Z., Popa G.** – Some aspects regarding the chemical structure–biological activity relationship in deoxyribonucleic acid (in Romanian), *Reprint Labor. Sel. Anim.*, Oradea, 1969, 11, 1-32.
14. **Gârban Z., Popa G., Donecea A., Slatina N.** – Cybernetic considerations on the neuroendocrine and genetic mechanisms in vasectomy (in Romanian), *Reprint Labor. Sel. Anim.*, Oradea, 1969, 4, 1-16.
13. **Popa G., Gârban Z.** - Value of bantling test as a selection mean in amelioration (in Romanian), *Reprint Labor. Sel. Anim.*, Oradea, 1969, 2, 1-13.

1968

12. **Gârban Z., Popa G.** – Considerations on the use of isotopes in experimental and clinic investigations in domestic animals (in Romanian), *Reprint Labor. Sel. Anim.*, Oradea, 1968, 12, 1-59.
11. **Gârban Z., Popa G., Donecea A., Slatina N.** – Morphofunctional implications of vasectomy and epididimal inoculation (in Romanian), *Reprint Labor. Sel. Anim.*, Oradea, 1968, 9, 1-11.

1967

10. **Gârban Z., Guțu S.**– Blood ionograms in domestic animals (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1967 VI(12), 1-18.

1966

9. **Gârban Z., Galiș P., Vidican I., Matei T.** – Experimental study of the effects of some biostimulators of antibiotic type on the ponderal dynamics in pigs II. Investigations of the effects of consecutive administration (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1966, V (6), 1-10.

1965

8. **Gârban Z., Vidican I., Matei T.** – Influence of axerophytols and tocopherols on the reproductive function in animals (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1965, IV (10), 1-17.
7. **Gârban Z., Matei T., Vidican I., Galiș P.** – Experimental study of the effects of some biostimulators of antibiotic type over the ponderal dynamics in pigs. I. Investigations on comparative aspects (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1965, IV (8), 1-16.

6. **Gârban Z., Pop V., Herput M.** - Some contributions to the electrophoretic research on serum proteins in young animals (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1965, IV (3), 1-14.

1964

5. **Gârban Z., Ileana Eva, Vidican I.** – Comparative investigations on some biochemical parameters of blood and milk (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1964, III (7), 1-9.
4. **Gârban Z., Pop V., Vidican I., Ileana Eva** – Variation of serum electrophoretic fractions investigated ante- and postpartum (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1964, III (4), 1-12.

1963

3. **Gârban Z.** – Physico-chemical bases of the electrophoretic method (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1963, II (11), 1-21.
2. **Gârban Z., Ileana Eva, Vidican I., Florea I.** – Contributions to the knowledge of the dynamics of some biochemical parameters of blood and milk (in Romanian), *Reprint Labor. Vet. Reg.*, Oradea, 1963 II (9), 1-9.

1962

1. **Pintea V., Vintilă I., Crista N., Gârban Z., Cârdea A.** – Comparative electrophoretic researches between blood serum of systemic circulation, mammary circulation and on milk serum (in Romanian), *“Lucrări științifice”*, Institutul Agronomic Timișoara, 1962, V, 161-171, Editura Agro-Silvică București, 1962.

III. MISCELLANEA

A. BOOKS

3. **Gârban Z.** – *Almae matres mundi* – in press
2. **Gârban Z.** – *Compendium Dioecesis Timisoaraensis*, ediția 2-a (VIII + 416 pag), 1998 – ediție cvadrilingvă (română, franceză, germană, engleză), Editura Eurobit Timișoara, (ISBN 973-9336-29-9).
1. **Gârban Z.** - *Compendium: Repere istorico-ecclesiastice în Dioceza de Timișoara*, ediția 1-a (58 pag.), Editura Eurobit Timișoara, (ISBN 973-9201-19-9).

B. PAPERS

3. **Gârban Z.** – *Almae matres mundi. III. Universitățile medievale europene din secolele XIV-XV*, în revista “Suflet nou”, 2009, XVII, 197 (5), 11-14
2. **Gârban Z.** – *Almae matres mundi. II. Universitățile medievale din secolele XI-XIII*, în revista “Suflet nou”, 2009, XVII, 196 (4), 11-14
1. **Gârban Z.** – *Almae matres mundi. I. Multisecularitatea instituțională în educație*, în revista “Suflet nou”, 2008, XVI, 184 (4), 11-14