

## CURRICULUM VITAE



**T O M A Ovidiu**

*Professor, PhD*

### **Professional address:**

**"Alexandru Ioan Cuza" University of Iași**

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Born on 5 October 1959, in Iași (Romania).

### **Studies :**

Graduate of "G.Ibrăileanu" High School of Iași (1978).

Graduate of the Faculty of Chemical Engineering, "Gh.Asachi" Technical University of Iași (1984).

### **Work experience :**

- o 1984-1987: Chemist at the Factory of Antibiotics Iași
- o 1988-1990: Chemist - scientific researcher at the "P.Poni" Institute of Macromolecular Chemistry, Iași

### **Professional experience :**

- o 1990-1993: Assistant lecturer at the Department of Biochemistry-Genetics-Microbiology of the Faculty of Biology, "Alexandru Ioan Cuza" University of Iași;
- o 1993-1996: University lecturer at the Department of Biochemistry-Genetics-Microbiology of the Faculty of Biology, "Alexandru Ioan Cuza" University of Iași;
- o 1996- 2000: University Associate Professor at the Department of Biochemistry-Genetics-Microbiology of the Faculty of Biology, "Alexandru Ioan Cuza" University of Iași;
- o since 2000: Full Professor at the Department of Biochemistry-Genetics-Microbiology of the Faculty of Biology, "Alexandru Ioan Cuza" University of Iași.

### **PhD degree:**

- o since 13 October 1994: PhD in biology - in the field of biochemistry. Title of doctoral thesis : *"The balance and the pattern of the polypeptides during the apple seeds stratification"*;

- o Doctor's Diploma in Biological Sciences – field of Biochemistry (Moldavian Republic) D nr. 0160 / 13.10.1994;
- o Certificate of equivalence with the Doctoral Diploma in Biology – field of Biochemistry (Republic of Romania) 43449 / 15.03.1995.

#### International prizes :

- o 1994 - Laureate of the **Great Prize of the Academy for Sciences of the Moldavian Republic** (section: biology-chemistry);
- o 1994 - Laureate of the **Republican Prize of the Moldavian Republic for Science and Technique** (section: biology-chemistry);
- o Nominalized in the “**Outstanding People of the 20 th Century**”, 2000, International Biographical Centre, Cambridge, England, 2<sup>nd</sup> edition 2001, vol 1, pages 736-737;
- o Nominalized in “Who's Who in Romania”, Ed. Princeps, Pegassus Press, Bucharest, 2002, pg.671;
- o Nominalized in “Who's Who in Romania Medical”, Ed. Princeps, Pegassus Press, Bucharest, 2006, pg.851
- o Nominalized in “[Hubners Who Is Who, Enciclopedia personalităților din România, ediția a 3-a, Who is Who Verlag fur Personenzyklopadien AG, Yug, Elveția, 2008, pg. 1313-1314](#)”

#### Professional memberships :

- Member of the National Society of Biochemistry and Molecular Biology (1991-2009);
- Member of the “Soveja” Geneticists' League since 1994;
- Member of the “Salmo” Association of Ecologist Divers since 1997;
- Member of the Romanian Society of Mycology, since 2000;
- Member of the Research Board of Advisors of the American Biographical Institute (ABI), since 2002;
- Member of the Administrative Council of the National Park of Ceahlau (2005-2008)

#### Member of Editorial boards :

- Member of the Editorial Board of the Scientific Annals of “Al.I.Cuza” University of Iași, Genetics & Molecular Biology, since 2000

**Promoter, initiator and coordinator** of the *Regional (Moldova) Research Consortium of Environment Monitoring and Protection* / “Consoțiul de Cercetare Regional ( Moldova) de Monitorizare și Protecție a Mediului ” / **CCRMPPM**, Iași , since 2004  
([www.bio.uaic.ro](http://www.bio.uaic.ro) : „Externe“- CCRMPPM )

#### Courses :

- Analytical biochemistry ;
- Structural biochemistry ;
- Methods and processing in biotechnology ;
- Bioethical aspects in obtaining and utilizing of genetically modified organisms ;
- Microbial biotechnologies of waste waters treatment .

#### Scientific results :

The results of my scientific researches have been materialized in more than **220 papers** fully published or in résumé ( **65 papers published outside Romania** and **13 papers published in ISI-journals + 110 in IDB / B+ indexed journals**) and presented at various scientific meetings, **1 patent**, **2 practical approach**, **3 courses**, **5 monographs**.

#### Fields of research :

- Biotechnology ;
- Biochemistry of proteins (vegetal and animal proteins) ;

- Ecologic biochemistry ;
- Limnologic biochemistry ;
- Marine biochemistry ;
- Environment monitoring and protection.

**Specializations and scientific collaborations:**

- University Paris-Sud Orsay (France)-1994, 1997 ;
- University for Studies from Padova (Italy)-1995, 2004, 2005, 2006, 2007, 2008;
- "Alexandru Ioan Cuza" University of Iași (Romania): French-Romanian Summer School of Biochemistry, Molecular Biology and Pathology, Biotechnologies -1995, 1996, 2000, 2002, 2003;
- University of Bucharest (Romania): International Summer School of Biochemistry CEFOR,1996, 2002;
- “Albert - Ludwig” University of Freiburg (Germany) - 1996, 1997, 1998, 1999, 2000, 2003;
- Biotechnology Research Institute of Montreal (Canada), 1998-2000;
- University of Konstanz (Germany) – Summer courses of Limnic microbiology, Microbial ecology, Bacterial physiology and biochemistry, 2004;
- University of Konstanz (Germany) : practical stage at intensive course of neurobiology , 2005
- University of Konstanz (Germany), 1998, 2001, 2004, 2008, 2009; 2011; 2017

**Invited-Professor at :**

1. University of Lille 1 (France), 2001 ;
2. University of Liege (Belgium), 2005 ;
3. University of Konstanz (Germany), 2005;
4. University of Padova (Italy), 2005 ;
5. University of Venice (Italy), 2007 ;
6. University of Padova (Italy), 2007 ;
7. University of Konstanz (Germany), 2007 ;
8. University of Konstanz (Germany), 2008 ;
9. University of Vigo (Spain), 2009;
10. University of Konstanz (Germany), 2010;
11. University of Konstanz (Germany), 2011.
12. University of Konstanz (Germany), 2017.

**Postdoctoral research stage in CANADA**

Biotechnological Research Institute of Montreal, Quebec, Canada

Bioprocess Sector , *Director* : Dr. Sandu GOLDSTEIN

R & D Group, *Director (and my Supervisor)* : Dr. Denis GROLEAU  
1998-2000

“Expression and Biotechnological Production of the Extracellular Domain of TGF- $\beta$  sRII Receptor in *Pichia pastoris*”

**Key words:** TGF- $\beta$  sRII, receptor, extracellular domain, *Pichia pastoris*

**Abstract.** Because the type II TGF- $\beta$  receptor (TGF  $\beta$  RII) has a high affinity for TGF- $\beta$ , the extra-cellular domain of TGF- $\beta$  RII (TGF- $\beta$ s RII) was expressed in *Pichia pastoris*, with potential use as therapeutic agents and possible medical indication such as bone healing, skin ulcers, detached retinas, arthritis .

The objective of general project is the identification of potent and specific inhibitors (*rational drug design*) directed against TGF- $\beta$  receptor signaling.

**Knowledge of foreign languages :**

- **French** (very well) - Attestation of Academy for Sciences of Moldavian Republic nr.10 / 17.03.1994 and Attestation of “Alexandru Ioan Cuza” University of Iași & “Tempus-Phare”, 1996;
- **English** (well) - Attestation of “Alexandru Ioan Cuza” University of Iași, 14.12.1990;
- **German** (well) - Attestation of “Goethe” Institute, M2 / 28.10.1994 and “Humboldt” Institute, Konstanz, Germany, 2004.
- **Italian** (well enough).

#### Latest publications :

1. **Toma O.**, Groleau D., Lafrance M., Beauchemin Manon, Morel Lyne, Goldstein S., 2000- Expression and production of the extra-cellular domain of TGF- $\beta$  sRII receptor in *Pichia pastoris*. Scientific Annals of “Alexandru Ioan Cuza” University – Iași, sII – Genetics and Molecular Biology, 1, 93-102 (**Romania**)
2. Șuteu D., Tofan L., **Toma O.**, 2000 – Sorption of  $\alpha$ -amylase from aqueous solutions by cellulosic sorbents modified with reactive dyes. Revue Roumaine de Chimie, Bucuresti v45,Nr.2,149-151 (**Romania**)
3. Lafrance M., Beauchemin M., **Toma O.**, Banville M., Grothe S., Paul-Roc B.,Grosse M., O-Connor-McCourt M., Groleau D., 2001 – Production of recombinant human soluble type II TGF- $\beta$  receptor by *Pichia pastoris* GS115 : from shake flask to fermentor. Fourth Conference on Recent Advances in fermentation Technology(RAFT IV), Hyatt Regency, Long Beach, California 1, 26, P4 (10-13 november 2001) (**USA**) ;
4. Ivănescu L, Toma C., Gostin I., **Toma O.** , 2001 – Responses of the plants to the action of atmospheric pollutants. Ecological protection of the Planeth Earth, II, 981-986 (Proceedings of the International Conference) , Xanthi ( **Greece**)
5. Tofan L., Gherasim Ovidiu, Păduraru Carmen, **Toma O.**, 2001 – Hemp impregnated with  $\alpha$ -benzoxine for removal of cooper(II) pollutant ions . Scientific Annals of "Alexandru Ioan Cuza"University – Iași, sII - Genetics and Molecular Biology, 2 , 81-85 (**Romania**)
6. Tofan L., Paduraru C., **Toma O.**, 2001 – Hemp fibers impregnated with alizarine S as an unconventional material for Cr(III) ions in technological systems. Analele Științifice ale Universității de Stat din Moldova, Seria “Științe chimico-biologice”, 1, 204-208 ( **Republic of Moldova**)
7. Tofan L., Șuteu D., Vizitiu M., **Toma O.**, 2002 - Cellulosic biomaterials with ecological impact. Scientific Annals of "Alexandru Ioan Cuza"University – Iași, sII - Genetics and Molecular Biology ,3, 88-97 (**Romania**)
8. Navrotescu M., Ciofu E., **Toma O.**, Diaconu R., 2002 – The toxic effects of the acetate lead estimated by help of biotests on aquatic organisms. Measures of preventing aquatic ecosystems. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Biologie animală, XLVIII, 195-205 (**Romania**)
9. **Toma O.**, 2002 – Reed thicket as a pollution treatment in different ecological conditions. European Conference on Restoration Ecology (ECRE), “Challenges of the New Millenium-Our Joint Responsibility”, Budapesta (**Hongry**), Conference Abstracts, 1, 152-153;
10. Tofan L., Șuteu D., Bulgariu L., **Toma O.**, 2003 – Biosorption in treatment of waste water. Scientific Annals of "Alexandru Ioan Cuza"University – Iași, sII - Genetics and Molecular Biology, 4, 26-35 (**Romania**)
11. **Toma O.**, 2003 – Biochemical monitoring of eventually effects of zonal pollutants on conifers from Ceahlau Mountain ("Monitorizarea biochimică a eventualelor efecte ale factorilor poluanți zonali la nivelul arboretului -brad și molid- din Masivul Ceahlău"). Scientific Journal of Information and Ecological Culture ("Revista stiintifica de informatie si cultura ecologica") – Environment (“Mediul ambiant”), Nr.(5)10, 15-17, Chișinău ( **Republic of Moldova**)
12. Ticu E.L., Vercaigne-Marko D., Huma A., Artenie Vl., **Toma O.**, Guillochon D., 2004 – Kinetic study by bovine haemoglobin hydrolysis by pepsin immobilized on a functional alumina to prepare hydrolysats containing bioactive peptides. Biotechnology and applied biochemistry, 39, 1-10 (**UK**)
13. **Toma O.**, 2004 - Biomonitoring of the bivalves *Mytilus galloprovincialis*(Lmk.) of Black Sea trough the proteic content evaluation ("Biomonitorizarea midiilor din specia *Mytilus*

*galloprovincialis* Lmk. din Marea Neagra prin evaluarea continutului proteic"), Scientific Journal of Information and Ecological Culture ("Revista stiintifica de informatie si cultura ecologica") – Environment ("Mediul ambiant"), Nr.(4)15, 11-13, Chişinău ( **Republic of Moldova** )

14. **Toma O.**, 2005 – Consortium Regional de Recherche Moldova- pour la Monitorisation et Protection d'Environnement – pour une meilleure gestion de la biodiversite. International Conference « Biodiversite : science et gouvernance », UNESCO, OULON 8, P. 206, Paris ( **France** )

15. Lafrance M., Beauchemin M., **Toma O.**, Banville M., Grothe S., Paul-Roc B., Grosse m., O-Connorr-Mc Court M., Groleau D., 2005 – Biotechnological production of recombinant human soluble type II TGF -  $\beta$  by *Pichia pastoris* GS115, Advanced biological technologies and their impact on economy ; Natural products : technologies for their capitalisation in agriculture, medicine and food industry, 1, 150-152, Chisinau, ( **Republic of Moldova** )

16. **Toma O.** , 2005 – The university regional Consortium (Moldavia) for Environment monitoring and Protection – as a premise for the optimisation of living conditions and life and for student service improvement. Conference on Ecological restoration Abstract Volume, 1, 255, Zaragoza ( **Spain** )

17. Gherasim R.S., Gorgan L., **Toma O.** , 2006 – Soluble proteins dynamics for different types of tissue after consecutive freezing-defreezing cycles for individuals of *Carassius gibelio* Bloch and *Cyprinus Carpio* L. (*Cyprinidae*) species sampled from Movileni population ( Iasi district), Scientific Annals of "Alexandru Ioan Cuza"University – Iaşi, sII - Genetics and Molecular Biology ,VII, fasc.1, 55-60 ( **Romania** )

18. Huma A., **Toma O.**, Ungureanu E., Negura L., 2006 – L'influence des nitrates et des nitrites sur les activites de la catalase et de la peroxydase au cours de la germination des grains de *Triticum aestivum*. Scientific Annals of "Alexandru Ioan Cuza"University – Iaşi, sII - Genetics and Molecular Biology, VII, 65-68 ( **Romania** )

19. Haras A., **Toma O.**, 2007 – Determination of total proteins in some meat products , Scientific Annals of "Alexandru Ioan Cuza"University – Iaşi, sII - Genetics and Molecular Biology , VIII, fasc.1, 71-74 ( **Romania** )

20. **Toma O.** , 2006 - The University Regional Consortium (Moldavia) for Environment Monitoring and Protection – as a premise for the optimisation of living conditions and life and for student service improvement. 1st Biennial Conference of the International EcoHealth and Ecology, „EcoHealth ONE: Forging Collaboration Between Ecology and Health” , University of Wisconsin, 1, 46, Madison ( **USA** )

21. **Toma O.** , 2006 – Consortium de recherche régional (Moldova) pour la surveillance et la protection d'environnement (CCRMPM) : pour une meilleure gestion de la biodiversité et le développement durable. Volume des articles scientifiques de Journées scientifiques « Recherche et développement durable : approches, méthodologies, strategies d'action et de formation », Centre de Recherches et de transferts technologies de l'Université Abdelhamid IBN BADIS-Chemin des Cretes-Mostaganem, , 1, 1-2 ( **Algerie** )

22. Tofan L., **Toma O.**, Păduraru C., Păduraru Th., 2007 – Aplicațiile enzimelor în monitorizarea mediului. Scientific Journal of Information and Ecological Culture – “Mediul ambiant”, Chişinău, ( **Republic of Moldova** )

23. Tofan L., Bilba D., Păduraru C., **Toma O.**, 2007 - Sorption of Ga (III) on Flexible Open Cell Polyurethane Foam of Polyether Type Impregnated with Tri-n-Butyl Phosphate, Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry, 2 (1) 51-57 ( **Republic of Moldova** )

24. Costică M., Costică N., **Toma O.** , 2007 – Phytocoenological, histo-anatomical and biochemical aspects in *Rhodiola rosea* L. species from Romania, Analele Ştiinţifice ale Univ. “Al.I.Cuza” Iaşi, sII – a. Genetică şi Biologie Moleculară, VIII, fasc. 2 , 119-122 ( **Romania** )

25. **Toma O.**, 2008 – The University Regional Consortium (Moldavia) for Environment Monitoring and Protection – as a premise for the optimisation of living conditions because of the prevention of natural and human ecological catastrophies. NATO Science for Peace and Security Series, E: Human and Social Dynamics – Vol.35 “Risk Assessment as a Basis for the Forecast and prevention of Catastrophies” , 149-153, IOS Press., Amsterdam ( **Holland** ) ISBN 978-1-58603-844-1, ISSN 1874-6276

26. Rotariu M., Tofan L., **Toma O.**, 2008 – Preliminary study regarding local potential for developing of wood-energy way, like alternative to the energy which produce gas emission-as manmade disaster. NATO Science for Peace and Security Series, E: Human and Social Dynamics – Vol.35 “Risk Assessment as a Basis for the Forecast and prevention of Catastrophies”, 154-161, IOS Press., Amsterdam ( **Holland** ) , ISBN 978-1-58603-844-1, ISSN 1874-6276
27. Dunca S., Ștefan M., **Toma O.**, 2008 - Impact of Iași town sewage - at the limit of manmade disaster – on the Bahlui River microbiota. NATO Science for Peace and Security Series, E: Human and Social Dynamics – Vol.35 “Risk Assessment as a Basis for the Forecast and prevention of Catastrophies” , 162-171, IOS Press., Amsterdam ( **Holland** ) , ISBN 978- 1-58603-844-1, ISSN 1874-6276
28. Douglas B., **Toma O.**, 2008 - Natural an manmade disasters in Moldova area of Romania. NATO Science for Peace and Security Series, E: Human and Social Dynamics – Vol.35 “Risk Assessment as a Basis for the Forecast and prevention of Catastrophies ” , 172-176, IOS Press., Amsterdam ( **Holland** ) , ISBN 978-1-58603-844-1, ISSN 1874-6276
29. Șuteu D., Gorduza V-M, **Toma O.**, Malutan Th., 2008 – Cellulosic materials functionalized with reactive dyes and metallic ions for biotechnological separation. Romanian Biotechnological Letters, 13, 1, 3567- 3574 (**Romania**)
30. Bălan R., Amălinei C., Crauciuc E., Căruntu I.-D., Gheorghită Vl., **Toma O.**, 2008 – Expression of cyclin D1 and KI-67 in endometrial hyperplasia and carcinomas. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 1, 17-22 (**Romania**)
31. Frâncu L.L., Crauciuc E., Frâncu D.L., Andrei S., Călin D.L., **Toma O.**, 2008 - Quantification of the proliferative activity in the epithelial tumours of the ovary. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 1, 23-30 (**Romania**)
32. Frâncu D.L., Frâncu L.L., Crauciuc E, Pandeli R., Coyma L., Călin D.L., **Toma O.**, 2008 – The assesement of the angiogenesis in the uterine cervix carcinogenesis. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 2, 11-16 (**Romania**)
33. Amălinei C., Bălan R., Crauciuc E., Căruntu I.-D., Păvăleanu M., **Toma O.**, 2008 – Angiosarcoma- molecular markers in histopatological diagnosis. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 2, 17-22 (**Romania**)
34. Amălinei C., Bălan R., Crauciuc E., **Toma O.**, 2008 – Synchronous, metachronous and metastatic tumors of the upper female genital tract. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 3 , 1-22 (**Romania**)
35. Bălan R., Căruntu I.D., Crauciuc E., Gheorghită Vl., **Toma O.**, Amălinei C., 2008 – The impact of human papillom virus (HPV) infection on the development of cervical neoplasia. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 3, 23-30 (**Romania**)
36. Manoliu Al., Grădinariu P., **Toma O.**, 2008 - Influence of some aminoacids on the peroxidase and catalase activity in the fungus *Fusarium graminearum* Schwabe (telemorphe - *Gibberella zeae* (Schwein.) Petch) parasite on wheat . Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc. 3 , 115-120 (**Romania**)
37. Buda I., Bălan R., Crauciuc E., **Toma O.**, Amălinei C., 2008 – Adult type granulosa cell tumor- morphological features. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc.4, 115-120 (**Romania**)
38. Bălan R., Crauciuc E., Gheorghită Vl., **Toma O.**, Amălinei C., 2008 – Morphologic aspects of the senescence processes in female genital system. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, IX, fasc.4, 121-126 (**Romania**)
39. Șuteu D., Gorduza V-M, Olteanu C., **Toma O.**, 2008 –Cellulosic materials for biotechnological separations. Scientific Study & Research , vol.IX (4), 437-444 (ISSN 1582-540X) (**Romania**)
40. Boz L., Tofan L., **Toma O.**, 2009 - Forecasting and prevention of disasters from natural or manmade fires in forest areas. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.52, “Optimisation of disaster forecasting and prevention measures in the

- context of human and social dynamics”, 3-10, IOS Press., Amsterdam ( **Holland** ) , ISBN 978-1-58603-948-6 ; ISSN 1874-6276
41. Popa V., **Toma O.**, 2009 - A model of sustainable management of the forest for prediction and prevention of natural and manmade disasters. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.52, “Optimisation of disaster forecasting and prevention measures in the context of human and social dynamics”,22-28, IOS Press., Amsterdam ( **Holland** ) , ISBN 978-1-58603-948-6 ; ISSN 1874-6276
42. Rotariu M., Ivana D., Tofan L., Rotariu M., **Toma O.**, 2009 – The environment impact in the treatment of waste water and slimes derived from crude water pre-conditioning at S.C. CET Iași S.A. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.52 , “Optimisation of disaster forecasting and prevention measures in the context of human and social dynamics”, 88-97, IOS Press., Amsterdam ( **Holland** ) , ISBN 978-1-58603-948-6 ; ISSN 1874-6276
43. Buda I., Crauciuc E., Bălan R., Ciornei B., **Toma O.**, Pricop Z.F., Amălinei C., 2009 – Malignant and borderline epithelial ovarian tumors; morphological aspects and pronostic assay. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc.1, 95-100 (**Romania**)
44. Bălan R., Crauciuc E., Păvăleanu M., Gheorghită Vl., **Toma O.**, Amălinei C., 2009 – Histopathological and immunohistochemical profile of breast phyllodes tumor. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc.1, 101-108 (**Romania**)
45. Ivan L., **Toma O.**, 2009 – Correlate study on KI-67 antigen expression in gastric carcinomas. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc.1, 109-116 (**Romania**)
46. **Toma O.**, 2009 – Contributions to *Rhodiola rosea* L. biochemical matrix of soluble proteins identification. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc.1, 53-56 (**Romania**)
47. Bălan R., Crauciuc E., Gheorghită Vl., Păvăleanu M., **Toma O.**, Amălinei C., 2009 – Cyto-histopathological correlations in uterine cervix pathology. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 2 (**Romania**)
48. Savu A., Savu B., Luca C., Mihăilă D., **Toma O.**, Crauciuc E., 2009 – Experimental models of acute pancreatitis–closed duodenal loop model. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 2 (**Romania**)
49. Ivan L., **Toma O.**, 2009 – Overexpression of P53 in gastric carcinomas and its correlation with Lauren and Goseki classification. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 2 (**Romania**)
50. Crauciuc E., Frîncu L.L., **Toma O.**, Frîncu D.L., 2009 – Interesarea nervilor pudendali la femeile în postmenopauză cu prolaps genital asociat sau nu cu incontinență urinară de stress. Buletinul Academiei de Științe a Moldovei, “Științe Medicale”, 3/(22), 154-158, Chișinău (**Republic of Moldova**) (ISSN 1857-0011)
51. Saucă O.-E., **Toma O.**, 2009 – Metode și tehnici actuale de laborator clinic utilizate pentru depistarea bolilor cu impact major asupra stării de sănătate a populației. Volumul Conferinței științifico-practice cu participare internațională „Centrul de Medicină Preventivă Chișinău – trecut, prezent și viitor”, 24- 29, Chișinău (**Republic of Moldova**)
52. Boda D., Neagu M., Constantin C., Diaconeasa A., Ianoși S., Amălinei C., Stănoiu B., Crauciuc E., **Toma O.** Ion R.-M., 2009 – New photosensitizers versus aminolevulinic acid (Ala) in experimental photodynamic therapy of actinic keratosis – a case report. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 3, 61-70 (**Romania**)
53. Dumitrescu A., Crauciuc E., Dumitrescu D.M., Lepădatu D., Molfea Vl.A., **Toma O.**, Pandelescu G.I., 2009 – The importance of the individual characteristics in the establishment of the diagnosis for the psycho-somatic affections. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 3, 71-78 (**Romania**)
54. Savu A., Savu B., **Toma O.**, Crauciuc E., 2009 – Acute pancreatitis in children : epidemiology and etiology. Analele Științifice ale Univ. “Al.I.Cuza” Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 4,109- 116 (**Romania**)

55. Bălan R., Căruntu I.D., Crauciuc E., Gheorghită Vl., **Toma O.**, Amălinei C., 2009 + Immunocytochemical expression of human papillomavirus (HPV) high risk type L1 capsid proteins in LSIL and HSIL. *Analele Științifice ale Univ. "Al.I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 4, 97-102 (Romania)*
56. Amălinei C., Bălan R., Stănoiu B., Crauciuc E., **Toma O.**, Căruntu I.D., 2009 – Immunohistochemical identification of human papilloma virus high-risk type L1 major capsid proteins in atypical glandular cells. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, X, fasc. 4, 103-108 (Romania)*
57. Iancu D., Crauciuc E., **Toma O.**, Crauciuc D., 2010 – The cytological diagnostic of the cervical cancer. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 1, 49- 54 (Romania)*
58. Ciurcanu O.E., Stelea C.G., Crauciuc E., **Toma O.**, Voroneanu M., 2010 – Morphopathological aspects in accidents caused by local anesthesia with vasoconstrictors. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 1, 61-66 (Romania)*
59. Iancu D., Crauciuc E., **Toma O.**, Crauciuc D., 2010 – Histopathologic diagnostic of the cervix neoplasma. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 1, 55-60 (Romania)*
60. Ciurcanu O.E., Scutaru M.M., Crauciuc E., **Toma O.**, Voroneanu M., 2010 – Anesthesia without needle-routine random act in practice of dental office. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 1, 67-74 (Romania)*
61. Crauciuc E., **Toma O.**, Crauciuc D., 2010 – Psihozele juvenile și alcoolismul cronic. Volumul cu Materialele Conferinței Naționale "Sănătatea în relație cu Mediul", Chișinău, 75-78 (*Republic of Moldova*)
62. Bratu M., Pricop F., **Toma O.**, Crauciuc D., Crauciuc E., 2010 – Epidemiologic factors, risk factors and screening elements in the cervical neoplasia. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 2-3, 95-100 (Romania)*
63. Bratu M., Pricop F., **Toma O.**, Crauciuc D., Crauciuc E., 2010 – Cytological diagnosis in cervical cancer. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 2-3, 101-106 (Romania)*
64. Comșa F., Amălinei C., Ardelean C., Crauciuc E., Giușcă S.E., **Toma O.**, Căruntu I.-D., 2010 – Matrix metalloproteinases and tissue inhibitors of matrix metalloproteinases in varicose veins. *Analele Științifice ale Univ. "Al. I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XI, fasc. 2-3, 73-80 (Romania)*
65. **Toma O.**, 2010 – University Regional (Moldavia) Reserach Consortium for Environment Monitoring and Protection as a premise for the optimization of health conditions and life through man-made environmental-disasters combat, Volumul cu Materialele Conferinței Naționale "Sănătatea în relație cu Mediul", Chișinău, 186-188 (*Republic of Moldova*)
66. Ioniță A., **Toma O.**, 2010 – Researches regarding antimicrobial effect of clay against faecal indicators bacteria from different water sources. Volumul cu Materialele Conferinței Naționale "Sănătatea în relație cu Mediul", Chișinău, 123-128 (*Republic of Moldova*)
67. Lobiuc A., Toma A., **Toma O.**, 2011 - Opportunities for using World Wide Web Platform as knowledge-transfer-systems in the disasters management process. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.80, "Stimulus for human and social dynamics in the prevention of catastrophes", 62-69, IOS Press., Amsterdam ( **Holland** )
68. Strungaru Ș.A., Toma A., **Toma O.**, 2011 – Methods of population's warning and communication in case of Landfalls. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.80, "Stimulus for human and social dynamics in the prevention of catastrophes", 42-49, IOS Press., Amsterdam ( **Holland** )
69. Toma A., Lobiuc A., Strungaru Ș.A., **Toma O.**, 2011 - Role of media communication in preventing natural disasters on Romanian territory NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.80, "Stimulus for human and social dynamics in the prevention of catastrophes", 22-28, IOS Press., Amsterdam ( **Holland** )
70. Douglas B., **Toma O.**, 2011 - Prevention and intervention in case of catastrophes in the Moldova area of Romania. NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.80, "Stimulus for human and social dynamics in the prevention of catastrophes", 210-218, IOS Press., Amsterdam ( **Holland** )



71. Grigoraş A, Căruntu I.D., Bălan R.A., Mihăescu T., Grigoraş C.C., Liliac L., Crauciuc E., Ungureanu E., **Toma O.**, Amăliei C., 2011 – Apoptosis in normal brochial respiratory epithelium – between certainties and uncertainties. *Analele Ştiinţifice ale Univ. “Al. I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 1, 39-44 (**Romania**)
- 73 Nichifor M., Scutariu M.M., Mocanu C., Crauciuc E., Ungureanu E., **Toma O.**, Scutariu M.D., 2011 – Study regarding the sequence of eruption of permanent teeth at a group of children from Buzău. *Analele Ştiinţifice ale Univ. “Al. I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 1, 85-94 (**Romania**)
74. Crauciuc E., **Toma O.**, Crauciuc D, Iancu D., 2011 – The cervical cancerand its obstetrical antecedenta. *Analele Ştiinţifice ale Univ. “Al. I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 2, 17-24 (**Romania**)
- 75 Crauciuc E., Bratu M., **Toma O.**, Crauciuc D., Iancu D., 2011 – Methods of diagnosis in cervical neoplasia. *Analele Ştiinţifice ale Univ. “Al. I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 2, 33-40 (**Romania**)
76. Tofan L., Păduraru C., Volf I., **Toma O.**, 2011 - Waste of rapeseed from biodiesel production as a potential biosorbent for heavy metal ions. *Bioresources*, 6 (4), 3727-3741 (ISSN 1930-2126) (**USA**)
77. Crauciuc E., Bratu M., Neaţu D., **Toma O.**, Crauciuc D., Pricop F., 2011 – Infection with human papilloma virus in cervical neoplasia. *Analele Ştiinţifice ale Univ. “Al.I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 3, 27-33 (**Romania**)
78. Crauciuc E., Bratu M., Neaţu D., **Toma O.**, Crauciuc D., Pricop F., 2011 – The treatment and evolution of cervical cancer. *Analele Ştiinţifice ale Univ. “Al.I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 3, 35-40 (**Romania**)
79. Neaţu D., Crauciuc E., **Toma O.**, Crauciuc D., Pricop F., 2011 – Individualized treatment of preinvasive lesions of the cervix. *Analele Ştiinţifice ale Univ. “Al.I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 3, 41-47 (**Romania**)
80. Ciuhodaru M., Butureanu Şt., **Toma O.**, Crauciuc E., Chiriţa V., 2011 – real necessities of a contraception algoritm in cases of women suffering from schizophrenia – special needs for famillz planning. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XII, fasc. 3, 55-61 (**Romania**)
81. Neaţu D., Crauciuc E., Bălan R., Ilie E., Crauciuc A.M., **Toma O.**, Pricop Z.F., 2011 - The limits of pap smear in diagnostic preinvasive cervical neoplasia. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a Genetică şi Biologie Moleculară, XII, fasc. 4, 53-52 (**Romania**)
82. Crauciuc E., Neaţu D., **Toma O.**, Crauciuc D., 2012 – Risk indicators analzsis in uterin cervix lesions. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XIII, fasc. 1, 39-44 (**Romania**)
83. Crauciuc E., Neaţu D., **Toma O.**, Crauciuc D., 2012 – Curative conduct in uterin cervix lesions. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XIII, fasc. 1, 45-52 (**Romania**)
84. Crauciuc E., Bălan R., Neaţu D., **Toma O.**, Crauciuc D., 2012 – Immunohistochemical assessment of P16 protein of L1 capsid protein of human papilloma virus in cervical squamous intraepithelial lesions. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XIII, fasc. 2, 19-26 (**Romania**)
85. Crauciuc E., Neaţu D., **Toma O.**, Crauciuc D., 2012 – HPV vaccination – prophylactic conduct. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XIII, fasc. 2, 27-31 (**Romania**)
86. Bădoi D., Mocanu V., Crauciuc E., Ungureanu E., Rusu L., **Toma O.**, Luca V., 2012 – Implant with riselle in hormone replacement therapy. *Analele Ştiinţifice ale Univ. “Al .I.Cuza” Iaşi*, sII – a. Genetică şi Biologie Moleculară, XIII, fasc. 2, 33-38 (**Romania**)
87. Ioniţă A., **Toma O.**, 2012 – Monitoring the impact of human factor upon the surface waters top revert the ecological disasters. Case study: fecal pollution of Nicolina river – Iaşi, Romania. . NATO Science for Peace and Security Series, E: Human and Social Dynamics, Vol.94, " Correlation between Human Factors and the Prevention of Catastrophes", 178-184, IOS Press., Amsterdam ( **Holland** )
88. Douglas B., **Toma O.**, 2012 - Risk management, prediction and prevention of flooding catastrophes in Romania.. NATO Science for Peace And Security Series, E: Human and Social

- Dynamics, Vol.94, " Correlation between Human Factors and the Prevention of Catastrophes", 137-150, IOS Press., Amsterdam ( **Holland** )
89. Crauciuc E., **Toma O.**, Iancu D., Crauciuc D., 2012 – Prevalence of cervical cancer in the countryside (the county of Iași). *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIII, fasc. 3, 29-34 (Romania)*
90. Crauciuc E., **Toma O.**, Iancu D., Crauciuc D., 2012 – Cervical neoplasia case studies. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIII, fasc. 3, 35-40 (Romania)*
91. Crauciuc E., Bădoi D., Bratu M., Ungureanu E., **Toma O.**, Crauciuc D., 2012 – Experimental study regarding the effects of a hyperlipidemic diet under estrogen deficiency. *Analele Științifice ale Univ. "Al . I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIII, fasc. 4, 29-34 (Romania)*
92. Crauciuc E., Bădoi D., Bratu M., Ungureanu E., **Toma O.**, Crauciuc D., 2012 – The effects of hormonal therapy in natural and surgical menopause. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIII, fasc. 4, 35-42 (Romania)*
93. Crauciuc E., Bratu M., Pangal A., **Toma O.**, Crauciuc D., 2013 – Malignant ovarian pathology for the woman over 60. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIV, fasc. 1, 7-11 (Romania)*
94. Mihălceanu E., Crauciuc E., **Toma O.**, Ungureanu E., Crauciuc D., Onofriescu M., 2013 – Angiogenic protein ratio sFLT-1 / PIGF the predictive value for pre-eclampsia. . *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIV, fasc. 2, 55-62 (Romania)*
95. Crauciuc E., Mihălceanu E., **Toma O.**, Ungureanu E., Crauciuc D., 2013 – Pro and antiangiogenic predictive markers in pre-eclampsia. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIV, fasc. 2, 63-68 (Romania)*
96. Păduraru C., Tofan L., Bunia I., Tudorachi N., Teodosiu C., **Toma O.**, 2013 - Biosorption of Zinc(II) on rapeseed waste: equilibrium studies and thermogravimetric investigations. 7<sup>th</sup> International Conference on Environmental Engineering and Management/Integration challenges for sustainability, ICEEM 07, Conference abstracts book, 277-278 (**Austria**)
97. Căpîlnă M., Moldovan B., Szabo B., Crauciuc E., **Toma O.**, Crauciuc D., 2013 – Pelvic exenteration-results from a single institution. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XIV, fasc. 3, 49-54 (Romania)*
98. Căpîlnă M., Rusu C.S., Szabo B., Marian C., Crauciuc E., **Toma O.**, Crauciuc D. – Three synchronous primary pelvic cancers-a case report. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XIV, fasc. 3, 55-59 (Romania)*
99. Mihălceanu E., Crauciuc E., Bratu M., **Toma O.**, Crauciuc D., Onofriescu M., 2013 – Preeclampsia and morphological evidence of anatomopathological lesions. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII – a. Genetică și Biologie Moleculară, XIV, fasc. 3, 61-67 (Romania)*
100. Crauciuc D., Bratu M., **Toma O.**, Crauciuc D., 2013 – The relationship between human papilloma viruses and cervical carcinoma. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XIV, fasc. 3, 68-73 (Romania)*
101. Mihălceanu E., Crauciuc E., Ungureanu E., **Toma O.**, Crauciuc D., Bratu M., Onofriescu M., 2013 – The profile of the patient with preeclampsia depending on cardiovascular risk. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XIV, fasc. 4, 61-65 (Romania)*
102. Crauciuc E., Ungureanu E., **Toma O.**, Crauciuc D., Bratu M., 2013 – Clinical particularities and diagnostic methods in the hydatidiform mole. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XIV, fasc. 4, 53-60 (Romania)*
103. Căpîlnă M.E., Rusu C.S., Becsi J., Costea-Nedelcu M.A., Puiac C.I., Crauciuc E., **Toma O.**, Szabo B., 2014 - Prevalence of groin lymph nodes metastases in clinically stages IB and II cancer of the vulva. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XV, fasc. 1, 39-41 (Romania)*
104. Crauciuc E., Popovici D., Bratu M., **Toma O.**, Crauciuc D., 2014 – Breast cancer and the histopathologic type case studies. *Analele Științifice ale Univ. "Al .I.Cuza" Iași, sII - a. Genetică și Biologie Moleculară, XV, fasc. 1, 35-38 (Romania)*

105. Crauciuc E., Bratu M., Ungureanu E., **Toma O.**, Crauciuc D., 2014 – Principles of diagnostic and treatment in cervical neoplasma. . Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XV, fasc. 2, 45-50 (**Romania**)
106. Crauciuc E., Bratu M., **Toma O.**, Crauciuc D., 2014 – Cervical cancer evolution by therapeutic conduct. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XV, fasc. 3, 27-38 (**Romania**)
107. **Toma O.**, 2014 – 10 Ans de surveillance de l’environnement et lutte contre la pollution a l’aide du Consortium de recherche Regional (Moldova) pour la surveillance et la Protection de l’Environnement (CCRMPM).Creation d’emploi et protection de l’environnement en Europe centrale et orientale e ten Mediterranee, 1, 114-122 (**Romania**)
108. Tofan L., Wenkert R., Păduraru C., **Toma O.**, 2014 – Dynamics of nutrients in aquatic ecosystems: the case study of Ciric basin river at nord of Iași city. The Annals of „Dunărea de jos” University of Galați, Fasc.IX., Nr.3, 41-46 (**Romania**)
109. Bivoleanu A.R., Crauciuc E., **Toma O.**, Crauciuc D., Moscalu M., Stamatina M., 2014 – Complications of prematurity as risk factor for outcome. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XV, fasc. 4, 41-48 (**Romania**)
110. Crauciuc D., Bratu M., **Toma O.**, Crauciuc E., 2015 – The consequences of the congenital infection with toxoplasma gondii in the offspring. . Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XVI, fasc. 1 (sub tipar) (**Romania**)
111. Păduraru C., Tofan L., Bunia I., Tudorachi N., Teodosiu C., **Toma O.**, 2015 – Biosorption of zinc(II) on rapeseed waste: equilibrium studies and thermogravimetric investigations. Process safety and environmental protection – Official journal of the European Federation of Chemical engineering, Part B, 94, 18-28 (**UK**)
112. Tofan L., Păduraru C., Teodosiu C., **Toma O.**, 2015 – Fixed bed column study of the removal of crom(III) ions from aqueous solutions by using hemp fibers with improved sorption performance. Cellulose chemistry and Technology, 49(2), 219-229 (**Romania**)
113. Tofan L., Păduraru C., **Toma O.**, 2015 – Zinc remediation of aqueous streams by natural hemp fibers: batch desorption/regeneration studies. Desalination and water treatment 20, 14, 14-88 (**UK**)
114. Ioniță A., **Toma O.**, Dunca S. I., 2015 – The efficiency of using clays in water treatment process – an alternative method in case of possible bio-incidents. NATO Science for Peace And Security Series, E: Human and Social Dynamics, Vol.120, "Engaging the public to fight the consequences of terrorism and disasters", 170-176, IOS Press., Amsterdam (**Holland**)
115. Tofan L., **Toma O.**, 2015 – Cleaning of the mercury-contaminated natural water bodies by using eco-friendly adsorbents. NATO Science for Peace And Security Series, E: Human and Social Dynamics, Vol.120, "Engaging the public to fight the consequences of terrorism and disasters", 177-194, IOS Press., Amsterdam (**Holland**)
116. Boz L., Toma A., **Toma O.**, 2015 - Techniques of public communication in case of disasters. NATO Science for Peace And Security Series, E: Human and Social Dynamics, Vol.120, "Engaging the public to fight the consequences of terrorism and disasters", 195- 201, IOS Press., Amsterdam (**Holland**)
117. Grigoriu R., Popovici D., Bratu M., **Toma O.**, Crauciuc D., Crauciuc E., 2015 – The ultrasound scan aspect correlated with the polycystic ovary syndrome. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XVI, fasc. 3 121- 127 (**Romania**)
118. Simion N., Căruntu I.-D., Amălinei C., Păvăleanu I., Gheorghiu VI., Crauciuc E., **Toma O.**, Bălan R., 2015 – Cyto-histopathological correspondences in intraepithelial lesions of the cervix uteri. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XVI, fasc. 3, 129-135 (**Romania**)
119. Crauciuc E., Grigoriu R., Popovici D., Bratu M., Sindillar A., **Toma O.**, Crauciuc D., 2015 - Ovarian drilling in infertility associated with polycystic ovary syndrome. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XVI, fasc. 4, 155-160 (**Romania**)
120. Crauciuc E., Grigoriu R., Popovici D., Bratu M., **Toma O.**, Crauciuc D., 2016 – The evolution of pregnancy for the patients with polycystic ovary syndrome and ovarian hyper stimulation syndrome. Analele Științifice ale Univ. “Al .I.Cuza” Iași, sII - a. Genetică și Biologie Moleculară, XVII, fasc. 1, 29-35 (**Romania**)

121. Crauciuc D., **Toma O.**, Crauciuc E., 2016 – Assessing progression of cervical pre-cancer lesions. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVII, fasc. 2, 61-66 (**Romania**)
122. Crauciuc E., **Toma O.**, Neașu D., Crauciuc D., 2016 – Pap Test. Performance and limits. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVII, fasc. 4, 163-167 (**Romania**)
123. Vălu M.-V., **Toma O.**, 2017 - A retrospective sequentiallz studz of the risk factors and the incidence of the endometrial cancer. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVIII, fasc. 1, 31-36 (**Romania**)
124. Crauciuc E., Popovici D., Bratu M., Ștefănescu B., **Toma O.**, Crauciuc D., 2017 – Gonorrhoea-Sexually transmitted infection. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVIII, fasc. 1, 25-30 (**Romania**)
125. Gheorghică A., Crauciuc D., Nemescu D., Mihălceanu E., **Toma O.**, Crauciuc D., Onofriescu M., 2017 - The evaluation of uterine electrical activity by antepartum electromyogrphy. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVIII, fasc. 2, 87-90 (**Romania**)
126. Vălu M.-V., **Toma O.**, 2017 – Endometrial cancer. A review and evaluation of risk factors. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVIII, fasc. 3, 129-138 (**Romania**)
127. Crauciuc E., Sindilar A., **Toma O.**, Crauciuc D., 2017 - Study of biological markers in endometriosis. *Analele Științifice ale Univ. “Al .I.Cuza” Iași*, sII - a. Genetică și Biologie Moleculară, XVIII, fasc. 4, 155-160 (**Romania**)
128. Șterbuleac D., **Toma O.**, 2018 – The overlooked role of academic environmental organizations in adressing environmental issues. *Applied Environmental Education & Communication (USA)*  
<http://www.tandfonline.com/doi/full/10.1080/1533015X.2018.1435321>

- I. **Toma O.**, Bara I., 1996-*At the beginning of the life: aminoacids, proteins, nucleic acids;vol I: aminoacids, peptids, proteins*. Ed."Corson", "Cogito" Series, Iași, ISBN:973-96522-2-0, 134 pg. (**Romania**);
- II. Bara I., **Toma O.**, Vântu S., 1997-*At the beginning of the life: aminoacids, proteins, nucleic acids ;vol II:nucleic acids*. Ed."Corson", "Cogito" Series, Iași, ISBN:973-96522-2-0, 90 pg. (**Romania**);
- III. Vantu S., Bara I., **Toma O.**, 1997-*In vitro culture: A practical Approach*. Ed. “Corson” , “Cogito” Series, Iași, (ISBN 973-96522-8-X), 80 pg. (**Romania**)
- IV. Tofan L., Bulgariu L., **Toma O.**, 2007 – *Analitical biochemistry, volume 1*, Casa Editoriala Demiurg, Iași ( ISBN – serie : 978-973-152-037-7 ; ISBN vol. 1: 978-973-152-038-7 ) , 279 pg. (**Romania**)
- V. Tofan L., Bulgariu L., **Toma O.**, 2008 – *Analitical biochemistry, volume 2*, Casa Editoriala Demiurg, Iași ( ISBN – serie : ISBN – serie : 978-973-152-069-8; ISBN vol.1 : 978-973-152-111-4 ) , 190 pg. (**Romania**)
- VI. **Toma O.**, 2008 – *Methods and processing in biotechnology*, Casa Editoriala Demiurg, Iași ( ISBN – 978-973-152-072-8 ) , 80 pg. (**Romania**)
- VII. Cojocar D.C., **Toma O.**, Cojocar S.I., Ciornea E., 2009 - *Practicum of proteins and nucleic acids biochemistry*, Editura TEHNOPRESS, 262 pg. (**Romania**)

Iasi , 2018

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