

Publication list

Structured as advised in O.M. 5691/13.10.2011, Annex 1, Article 15

a) List of works stipulated at Article 12, §(1), Letter h) - included in full in the dossier

1. Immune parameters in prognosis and therapy monitoring of cutaneous melanoma patients - experience, role and limitations, **Monica Neagu**, Carolina Constantin, Sabina Zurac, *BioMed Research International*, special issue *Molecular Biomarkers: Tools of Medicine* (MBTM) Volume 2013, 15 November 2013 Article ID 107940. (IF= 2.880, AIS=0.7167).
2. Immunomics in skin cancer - improvement in diagnosis, prognosis and therapy monitoring, Amanda Bulman, **Monica Neagu***, Carolina Constantin, *Current Proteomics*, 10(3): 202 – 217, 2013. (IF= 0.83, AIS=0.6058).
3. The C-terminal decapeptide of prothymosin α is responsible for its stimulatory effect on the functions of human neutrophils *in vitro*. Samara P, Ioannou K, **Neagu M**, Arnogiannaki N, Ardavanis A, Voelter W, Tsitsilonis O. *Int Immunopharmacol.* 15(1):50-7, 2013. (IF= 2.325, AIS=0.6164).
4. The immune system - a hidden treasure for biomarker discovery in cutaneous melanoma, **Monica Neagu**, In Gregory S. Makowski, editor: *Advances in Clinical Chemistry*, Burlington: Academic Press, 58: 89-140 2012, ISBN: 978-0-12-394383-5. (IF= 3.674, AIS=0.8235).
5. Immune-therapy in cutaneous melanoma – efficacy immune markers, **Monica Neagu**, Carolina Constantin, in Book *Advancements in Tumor Immunotherapy and Cancer Vaccines*, Ed. InTech, pages 83-106, 2012, ISBN 978-953-307-998-1.
6. Immune-related biomarkers for diagnosis/prognosis and therapy monitoring of skin melanoma, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, *Expert Review of Molecular Diagnostics*, 10(7):897-921, 2010. (IF= 4.089, AIS=1.1031).
7. Biomarkers of metastatic melanoma, **Neagu Monica**, Constantin Carolina, Manda Gina, Margaritescu Irina, *Biomarkers In Medicine*, 3(1): 71-89, 2009. (IF=3.217, AIS=0.5802).
8. The immunologically active site of prothymosin alpha is located at the carboxy-terminus of the polypeptide. Evaluation of its *in vitro* effects in cancer patients, Margarita Skopeliti, Ioannis F. Voutsas, Persefoni Klimentzou, Marinos L. Tsiatas, Alexander Beck, Aristotelis Bamias, Maria Moraki, Evangelia Livaniou, **Monica Neagu**, Wolfgang Voelter, Ourania E. Tsitsilonis, *Cancer Immunol Immunother* 55(10):1247-1257, 2006. (IF=3.637, AIS=1.087).
9. The significance of human platelet activating factor – acetylhydrolase in patients with chronic stable angina, Cristina Tanaseanu, Elena Moldoveanu, Tetsuya Kosaka, Stefanita

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Tanaseanu, **Monica Neagu**, Laurentiu M Popescu, *Eur J Intern Med.*,15(5):291-297, 2004. (IF=2,049, AIS=0.5108).

10. The in vitro effect of low molecular weight heparin on peripheral blood leukocytes from patients with cardiovascular diseases, **Monica Neagu**, Gina Manda, Carolina Constantin, Cristina Tanaseanu, DP Mikhailidis, *International Angiology*, 20 (2), 164-173, 2001. (IF=1.46, AIS=0.4802).

b) PhD Thesis: Title: Immunological Parameters in chronic Staphylococcal infection, Coordinator: Prof. Cecilia Motas, Romanian Academy of Science

c) Patents and other intellectual property rights

Co-inventor for the following national patents:

Rodica, Ion, **Monica Neagu**, Carolina Constantin, Daniel Boda

“Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer”

Boscencu Rica, Socoteanu Radu Petre, Nacea Veronica, Constantin Carolina, Manda Gina, **Neagu Monica**, Ilie Mihaela, Baconi Daniela Luiza, Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira

“Tetrapyrrolic compound asymmetrically substituted – synthesis and biological evaluation”

Diana Martin, **Monica Neagu**, Matei Constantin, Carolina Constantin, Nicusor Iacob, Daniel Ighigeanu, Elena Manaila, Gabriela Craciun

“Equipment and procedure for microwave irradiation in in vitro models with concomitant registration of biological behaviour in a fluorescence microscope”

Socoteanu Radu Petre, Boscencu Rica, Nacea Veronica, Constantin Carolina, Manda Gina, **Neagu Monica**, Ilie Mihaela, Baconi Daniela Luiza, Anabela Sousa Oliveira, Luis Felipe Vieira Ferreira

“Bio functionalized porphyrinic compound has tetrapyrrolic heterocycles class, synthesized and optimized for cellular load assays”

Prizes

- **First Prize** of the Romanian National Authority for Research on Health Domain in 2008 for the project “Photochemotherapy innovative methods with nanostructured photosensitizers – from synthesis to clinical trial” **Monica Neagu** Scientific Responsible.
- **International prizes:** patent “Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer” received **Gold medal** at Brussels Innova 2008, **Special Prize** of Rudy Demotte, Minister President of the Walloon Government, **Gold medal** at The 37th International Exhibition of Inventions of Geneva 2009 and **Special Prize** of the Ministry of Education of Russia, 2009; **Gold medal** Eureka, Brussels, 2009, **Gold medal** The International Fair for Innovation, Moscow, 2009, EYReC **Gold Medal** at

EUROINVENT, 2013; Diploma of **Haller Pro Inventio Foundation** at EUROINVENT, 2013; **Gold Medal** at EUROINVENT, 2013.

• **2013 Prizes for scientific publications**

- PN-II-RU-PRECISI-2013-7-3017, Paper title “The C-terminal decapeptide of prothymosin α is responsible for its stimulatory effect on the functions of human neutrophils *in vitro*”
- PNII-RU-PRECISI-2013-7-2754, Paper title “Immune parameters in prognosis and therapy monitoring of cutaneous melanoma patients - experience, role and limitations”

d) Books and book's chapters

Books in Romanian Publishing Houses

- Immunogenomics, Immunotranscriptomics compendium, Ursaciuc C, **Neagu M**, Constantin C, Dobre M, Huica R, Romanian Medical Life Ed, 2013, ISBN 978-973-160-080-2.
- Proteomics from research to clinic, Tanase C, **Neagu M**, Albuiescu R, Constantinescu S.N, Constantin C, Manole E, Popescu ID, Codrici E, Mihai S, Albuiescu L, Romanian Medical Life Ed, 2013, ISBN 978-973-160-075-8.
- *Dermato-oncology*, Set of 2 Volumes, Vol. 1, Vol. 2, Authors (in alphabetical order): Robert Ancuceanu, Corina Baican, Daniel Boda, Daciana Brănișteanu, Daniel Brănișteanu, Constantin Căruntu, Constantin Ciuce, Carolina Constantin, Rodica Cosgarea, Adriana Diaconeasa, Laszo Fekete, Julia Edit Fekete, Ana-Maria Forsea, Dan Forsea, Nicolae Fotin, Victor Georgescu, Daniela Guțu, Mihai Ioana, Gabriel Ianoși, Simona Ianoși, Rodica Ion, Mihaela Leventer, Francisc Mixich, Roxana Mustață, **Monica Neagu**, Dragoș Pieptu, Florian Popa, Cătălin Popescu, Raluca Popescu, Sanda Popescu, Caius Solovan, Simona Șenilă, Florica Stăniceanu, Laurențiu Vlădău, Cristiana Tănase, Dragoș Teodorescu-Brânzeu, Sabina Zurac, Ed. University “Carol Davila”, Bucharest, 2011-2013, ISBN: 978-973-708-542-9.
- Fundamental Immunology Compedium, Ursaciuc C, **Neagu M**, Manda G, Romanian Medical Life Ed, 2012, ISBN 978-973-160-057-4.
- Methods in humoral and cellular immunology, Dorel L. Radu, Crina Stavaru, Iuliana Caras, Gina Manda, **Monica Neagu**, Eugen Radu, Cornel Ursaciuc, Laurentiu Mircea Popescu, Ed. University “Carol Davila”, Bucharest, 2006, ISBN: 973-708-084-X
- Dictionary of Biochemistry and Molecular Biology, Elena Moldovan, **Monica Neagu**, Laurentiu M. Popescu, Medical Publishing House, 2001, ISBN: 973-39-0441-4.

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Book's chapters in International Publishing Houses

- Chapter *Advances in Pancreatic Cancer Detection*, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, Mihail Eugen Hinescu in *Advances in Clinical Chemistry*, 51, Pages 145-180, 2010, ISBN 13: 978-0-12-380981-0.
- Chapter 9 Application of electron accelerators in conjunction with microwave sources for medical studies, Diana Martin, Gabriela Craciun, Irina Margaritescu, **Monica Neagu**, Elena Manaila, Daniel Ighigeanu, Laurentiu Tudor and Nicusor Iacob, in „Ultrasound and Microwave: Recent Advances in Organic Chemistry, 2011, Editors: Jean Pierre Bazureau and Micheline Draye. ISBN: 978-81-7895-532-2.
- Chapter 5 Immune-therapy in cutaneous melanoma – efficacy immune markers **Monica Neagu**, Carolina Constantin in "Advancements in Tumor Immunotherapy and Cancer Vaccines ", pages 83-106, InTech, February 2012, ISBN 978-953-307-998-1.
- Chapter 5 The immune system - a hidden treasure for biomarker discovery in cutaneous melanoma, **Monica Neagu**, In: *Advances in Clinical Chemistry*, Gregory S. Makowski Editor, Burlington: Academic Press vol 58, 2012 pp. 89-140, ISBN: 978-0-12-394383-5

Member of the Editorial Board for the journal *Recent Patents in Biomarkers*, Bentham Science Publishers, **Member of the Editorial Board** for the journal *World Journal of Methodology* Number ID:02445884.

Editor in 2012 Special Issue *Transcriptomics biomarkers for diagnosis, prognosis and therapy monitoring in cancer* **Recent Patents in Biomarkers**, Bentham Science Publishers

Editor in 2014 for book “**Stem cells between regeneration and tumorigenesis**” Bentham Science Publishers.

e) *In extenso* articles published in international scientific flux

Publications in ISI indexed journals

1. Highlights in Melanoma Biomarkers, **Neagu M**, Constantin C, *Biomark Med.* 8 (3), 2014. (IF=3.217, AIS=0.5802).
2. Proteomics focusing on immune markers in psoriatic arthritis, Constantin Caruntu, Daniel Boda, Georgiana Dumitrascu, Carolina Constantin, **Monica Neagu**, *Biomarkers Med.* 9(5), 1-16, 2014. (IF=3.217, AIS=0.5802).
3. Protein microarray for complex apoptosis monitoring of dysplastic oral keratinocytes in experimental photodynamic therapy, Clara Matei, Mircea Tampa, Constantin Caruntu, Rodica-Mariana Ion, Simona-Roxana Georgescu, Georgiana Roxana Dumitrascu, Carolina Constantin and **Monica Neagu**, *Biol Res Int*, 2014 (in press). (IF=1.13).
4. Immune parameters in prognosis and therapy monitoring of cutaneous melanoma patients - experience, role and limitations, **Monica Neagu**, Carolina Constantin, Sabina Zurac, *BioMed Research International*, special issue *Molecular Biomarkers: Tools of*

- Medicine* (MBTM) Volume 2013, 15 November 2013 Article ID 107940. (IF= 2.880 AIS=0.7167).
5. Immunomics in skin cancer - improvement in diagnosis, prognosis and therapy monitoring, Amanda Bulman, **Monica Neagu**, Carolina Constantin, *Current Proteomics*, Volume 10, Number 3, 202 – 217, 2013. (IF= 0.83 AIS=0.6058)
 6. Increased number of fractionated irradiation sessions does not improve the cellular response to methyl aminolevulinate-mediated photodynamic Therapy, Calin Mihaela Antonina, Calin Marian Romeo, Petrescu Emil, **Neagu Monica**, *Photodiagnosis and Photodynamic Therapy* (2013) 10, 526—534. (IF=2.243, AIS=0.7119)
 7. Therapy Targets in Glioblastoma and Cancer Stem Cells: Lessons from Hematopoietic Neoplasms, Maria Linda Cruceru, **Monica Neagu**, Jean-Baptiste Demoulin, and Stefan N. Constantinescu, *Journal of Cellular and Molecular Medicine*, vol 17, issue 8, 2013. (IF= 4.753, AIS=1.373).
 8. Zinc Trisulphonated Phthalocyanine Used in Photodynamic Therapy of Dysplastic Oral Keratinocytes, Mircea Tampa, Clara Matei, Sanda Popescu, Simona-Roxana Georgescu, **Monica Neagu**, Carolina Constantin, Rodica-Mariana Ion, *Rev Chim* (Bucharest), 64(6), 639-645, 2013. (IF=0.538).
 9. Highlights: Highlights from the latest articles in biomarkers in medicine. **Neagu M**, Albuлесcu R, Tanase C. *Research Biomark Med.* 7(2):201-204, 2013. (IF=3.217, AIS=0.5802).
 10. The C-terminal decapeptide of prothymosin α is responsible for its stimulatory effect on the functions of human neutrophils *in vitro*. Samara P, Ioannou K, **Neagu M**, Arnogiannaki N, Ardavanis A, Voelter W, Tsitsilonis O. *Int Immunopharmacol.* 15(1):50-7, 2013. (IF= 2.325 AIS=0.6164).
 11. Research Highlights, **Neagu M**, Radu Albuлесcu, Cristiana Tanase, *Biomarkers In Medicine*, Vol. 6(2), 197-200, 2012. (IF=3.217, AIS=0.5802).
 12. Synthesis, photophysical and cytotoxicity evaluation of A3B type mesoporphyrinic compounds, Luís F. Vieira Ferreira, Diana P. Ferreira, Anabela S. Oliveira, Rica Boscencu, Radu Socoteanu, Mihaela Ilie, Carolina Constantin, **Monica Neagu**, *Dyes and Pigments*, 95(2):296-303, 2012. (IF=3.532, AIS=0.6605).
 13. The immune system - a hidden treasure for biomarker discovery in cutaneous melanoma, **Monica Neagu**, *Advances in Clinical Chemistry*, 58, 2012. 89-140. (IF= 3.674, AIS=0.8235)
 14. Photodynamic Properties of Aluminium Sulphonated Phthalocyanines in Human Displazic Oral Keratinocytes Experimental Model C. Matei, M. Tampa, R.M. Ion, **M. Neagu**, C. Constantin, *Digest Journal of Nanomaterials and Biostructures*, 7 (4):1535-1547, 2012. (IF=1.09, AIS=0.2004).
 15. Application of 3D hydrogel microarrays in molecular diagnostics: advantages and limitations. Tanase CP, Albuлесcu R, **Neagu M**. *Expert Rev Mol Diagn.* 11(5):461-4, 2011. (IF= 4.089, AIS=1.1031).

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16. Sensitizer localization and immune response in photodynamic therapy of B16 cells, Pop SF, Ion RM, **Neagu M**, Constantin, C, *Laser Physics*, 21 (3): 576-581, 2011. (IF= 2.545, AIS=0.3613)
17. Tissue and soluble microRNAs for diagnostic improvement and therapy in digestive tract cancers, Radu Albulescu, **Monica Neagu**, Lucian Albulescu, Cristiana Tanase, *Expert Review of Molecular Diagnostics*, 11(1): 101-120, 2011
18. Immune-related biomarkers for diagnosis/prognosis and therapy monitoring of skin melanoma, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, *Expert Review of Molecular Diagnostics*, 10(7): 897-921, 2010. (IF= 4.089, AIS=1.1031).
19. Fullerene-porphyrin nanostructures in photodynamic therapy, Carolina Constantin, **Monica Neagu**, Rodica-Mariana Ion, Mihaela Gherghiceanu, Crina Stavaru, *Nanomedicine*, 5(2): 307-317, 2010. (IF= 5.26, AIS=1.7052)
20. Microwave synthesis, basic spectral and biological evaluation of some copper (II) mesoporphyrinic complexes. Boscencu R, Ilie M, Socoteanu R, Oliveira AS, Constantin C, **Neagu M**, Manda G, Ferreira LF. *Molecules* 25;15(5):3731-43, 2010. (IF= 2.679, AIS=0.5183)
21. Porphyrin (TPP)-Polyvinylpyrrolidone (PVP)-Fullerene (C60) Triad as Novel Sensitizer in Photodynamic Therapy Rodica Mariana Ion, Radu Claudiu Fierascu, **Monica Neagu**, Carolina Constantin, Crina Stavaru, *Science of Advanced Materials*, 2:223-229, 2010. (IF= 2.51, AIS=0.6591)
22. Statistical correlations between peripheral blood lymphocyte subpopulations and tumour inflammatory infiltrate in stage I of skin melanoma Mariana Costache, **Monica Neagu**, Angela Petrescu, Carolina Constantin, Gina Manda, Camelia Vrabie, Mariana Waller, C.S. Petrescu, Olga Simionescu, *Romanian Journal of Morphology and Embryology*, 51(4):693-699, 2010. (IF=0.620, AIS=0.1618)
23. Advances in Pancreatic Cancer Detection, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, Mihail Eugen Hinescu in *Advances in Clinical Chemistry*, 51: 145-180, 2010. (IF= 3.674, AIS=0.8235).
24. Biomarkers of metastatic melanoma, **Neagu Monica**, Constantin Carolina, Manda Gina, Margaritescu Irina, *Biomarkers In Medicine*, 3(1):71-89, 2009. (IF=3.217, AIS=0.5802).
25. Research Highlights, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, Radu Albulescu, *Biomarkers In Medicine*, 3(4), 343 - 345, 2009. (IF=3.217, AIS=0.5802).
26. Preliminary study on the immunologic background of good clinical outcome in rheumatoid arthritis patients after one month therapy with leflunomide. Manda G, **Neagu M**, Constantin C, Neagoe I, Codreanu C. *Rheumatol Int.* 29(8):937-46, 2009. (IF= 2.214, AIS=0.4347)
27. New Bicyclo[2.2.1]heptane Nucleoside Analogues as Antitumor Agents, C. Tanase, F.G. Cocu, M.T. Caproiu, **Monica Neagu**, Gina Manda, *Rev. Chim. (Bucuresti)*, 60(2):147-151, 2009. (IF=0.538).

28. Key signaling molecules in pituitary tumors, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albuлесcu, *Expert Review of Molecular Diagnostics*, 9(8), 859-877, 2009
29. Synthetic porphyrins in experimental photodynamic therapy induce different antitumoral effect, **Monica Neagu**, Gina Manda, Carolina Constantin, Eugen Radu and Rodica-Mariana Ion, *Journal of Porphyrins and Phthalocyanins*, 11 (1): 58-65, 2007. (IF= 1.433, AIS=0.282)
30. The immunologically active site of prothymosin alpha is located at the carboxy-terminus of the polypeptide. Evaluation of its in vitro effects in cancer patients, Margarita Skopeliti, Ioannis F. Voutsas, Persefoni Klimentzou, Marinos L. Tsiatas, Alexander Beck, Aristotelis Bamias, Maria Moraki, Evangelia Livaniou, **Monica Neagu**, Wolfgang Voelter, Ourania E. Tsitsilonis, *Cancer Immunol Immunother*, 55(10):1247-1257, 2006. (IF= 3.637, AIS=1.0873).
31. The significance of human platelet activating factor – acetylhydrolase in patients with chronic stable angina, Cristina Tanaseanu, Elena Moldoveanu, Tetsuya Kosaka, Stefanita Tanaseanu, **Monica Neagu**, Laurentiu M Popescu, *Eur J Intern Med*, 15(5):291-297, 2004. (IF= 2.049, AIS=0.5108)
32. The involvement of reactive oxygen species in the development of unstable angina, **Monica Neagu**, Gina Manda, Alexandra Livescu, Carolina Constantin, Marina T. Nechifor, Isabela Tamsula, Monica Popescu, Cristina Tanaseanu, *Roumanian Biotechnological Letters*, 8(1): 1083-1092, 2003. (IF= 0.219 , AIS=0.05)
33. Receptor and dose-dependent effects exerted in vitro by methotrexate on human immune cells, Gina Manda, **Monica Neagu**, Alexandra Livescu, Carolina Constantin, Catalin Codreanu, Marina T. Nechifor, *Roumanian Biotechnological Letters*, 8(1): 1139-1147, 2003. (IF= 0.219 , AIS=0.05).
34. Imbalance between peripheral B lymphocytes and NK cells in rheumatoid arthritis, G. Manda, **M. Neagu**, A. Livescu, C. Constantin, C. Codreanu, A. Radulescu, *Journal of Cellular and Molecular Medicine*, 7(1): 79-88, 2003. (IF= 4.753, AIS=1.373).
35. Plasma membrane potential interferes with the respiratory burst of peripheral granulocytes, Alexandra Livescu, Gina Manda, Carolina Constantin, **Monica Neagu**, Dana Iordachescu, *Journal of Cellular and Molecular Medicine*, 7(1): 73-78, 2003. (IF= 4.753, AIS=1.373).
36. Investigarea in vitro a potențialului imunotoxic al clorpirifosului. Nota II: efectele asupra proliferării limfocitelor umane izolate din sânge periferic – Daniela Luiza Baconi, Gina Manda, Dan Bălălău, **Monica Neagu**, Mihaela Ilie, *Farmacia*, LI (6),: 87-91, 2003. (IF= 0.578, AIS=0.040).
37. The in vitro effect of low molecular weight heparin on peripheral blood leukocytes from patients with cardiovascular diseases, **Monica Neagu**, Gina Manda, Carolina Constantin, Cristina Tanaseanu, D. P. Mikhailidis, *International Angiology*, 20 (2), 164-173, 2001, (IF= 1,462, AIS=0.4802)
38. Effects of synovial fluid on the respiratory burst of granulocytes in rheumatoid arthritis, Marinela Bostan, Lorelai Brasoveanu, Alexandra Livescu, Gina Manda,

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- Monica Neagu**, Dana Iordachescu, *Journal of Cellular and Molecular Medicine*, 5(2): 188-194, 2001. (IF= 4.753, AIS=1.373).
39. The effect of thiol compounds on the respiratory burst in polymorphonuclear granulocytes, Marina Tamara Nechifor, Marinela Bostan, **Monica Neagu**, Gina Manda, I. F. Dumitru, *Roum.Biotechnol.Lett.*, 1(2): 98-105, 1996. (IF= 0.219 , AIS=0.05).
40. Selective immunosuppression by administration of MHC class II - binding peptides. II Preventive inhibition of primary and secondary in vivo antibody response, J-Ch. Guery, **Monica Neagu**, Gemma Rodriguez-Tarduchy, L. Adorini, *J Exp Med*, 177 : 128 - 136, 1993. (IF=14.21, AIS=7.8344)
41. *In vivo* and *in vitro* effect of Cantastim, an immunomodulatory agent extracted from a highly pathogenic *Pseudomonas aeruginosa* strain, A. Olinescu, Sanda Hristescu, Aurora Salageanu, Gina Manda, **Monica Neagu**, *Neoplasma*, 38 (1): 119-128, 1991, (IF=1.54, AIS=0.3203).

Publications in BDI journals

1. Whole body microwave irradiation for improved dacarbazine therapeutical action in cutaneous melanoma mouse model, **Monica Neagu**, Carolina Constantin, Diana Martin, Lucian Albulescu, Nicusor Iacob, Daniel Ighigeanu, *Radiology Research and Practice*, 2013 Volume 2013, Article ID 414816.
2. The role of porphyrin precursor-based photodynamic therapy in dermatology Matei C, Tampa M, Georgescu S-R, Sarbu I, Ion R-M, Constantin C, **Neagu M**, *Medicine in evolution*, XIX (1): 38-44, 2013.
3. 5-aminolevulinic acid photodynamic therapy in the treatment of cutaneous squamous cell carcinoma in situ (Bowen's disease), Tampa M, Matei C, Georgescu S-R, Benea V, Sarbu I, Ion R-M, Constantin C, **Neagu M**, Popescu S, *Medicine in Evolution*, XIX (1): 45-50, 2013.
4. Transcriptomics in Cancer - Stages Toward Patents in Biomarkers? **Monica Neagu** and Daniel Boda, *Recent Patents on Biomarkers* 2(2): 75-82, 2012.
5. Spectrum of morphologic alterations of regression in cutaneous melanoma--potential for improving disease prognosis, Zurac S, Negroiu G, Petrescu S, Andrei R, Tebeica T, Popp C, Muștăț R, **Neagu M**, Constantin C, Solovan C, Chițu V, Reboșapcă A, Andreescu B, Marinescu I, Stăniceanu F. *Rom J Intern Med*. 50(2):145-53, 2012.
6. Patented Biomarker Panels in Early Detection of Cancer, **Monica Neagu**, Carolina Constantin, Cristiana Tanase and Daniel Boda, *Recent Patents on Biomarkers*, 1(1):10-24, 2011.
7. The role of confocal microscopy in the dermato-oncology practice. Diaconeasa A, Boda D, **Neagu M**, Constantin C, Căruntu C, Vlădău L, Guțu D, *J Med Life*, 4(1):63-74, 2011.
8. Imaging Studies of Tetra-Sulphonated Porphyrin in K562 Human Chronic Myeloid Leukemia Cells During Photodynamic Therapy, Simona-Florentina Pop, **Monica Neagu**, Carolina Constantin, Rodica-Mariana Ion, *Journal of International Scientific Publications: Materials, Methods & Technology* /6/1, 2011.

9. Antitumoral Effect of Calixarenes on Experimental Photodynamic Therapy with K562 Tumor Cell Line, **Monica Neagu**, Rodica - Mariana Ion, Gina Manda, Carolina Constantin, Eugen Radu, Zoia Cristu, *Romanian Journal of Biochemistry*, 47(1): 17-35, 2010.
10. Photodynamic Therapy on B16 Cells with Tetrasulphonated Porphyrin and Different Light Sources, Simona-Florentina Pop, Rodica-Mariana Ion, **Monica Neagu** and Carolina Constantin, *Journal of Materials Science and Engineering*, 4(3): 10-16, 2010.
11. Biomarkers Discovery In Cancer – up-dates In methodology, Cristina Tacu, **Monica Neagu**, Carolina Constantin, Maria Sajin, *Roum Arch Microbiol Immunol*, 69(1): 48-55, 2010.
12. Nano-engineered materials based on fullerenes: synthesis and biomedical applications, Fierascu, RC Dumitriu, I, Ion RM, **Neagu M**, Constantin, C Stavaru, C, *Advanced Topics In Optoelectronics, Microelectronics, And Nanotechnologies V Book Series: Proceedings of SPIE-The International Society for Optical Engineering* Volume: 7821, Article Number: 78211J DOI: 10.1117/12.882045 Published: 2010.
13. Model experimental de carcinogeneză chimică la șoarece - B. Marinescu, Gheorghita Isvoranu, Carolina Constantin, C. Coman, Sabina Zurac, C. Căruntu, D. Boda, Monica Neagu, Mihaela Călin, *Revista Romana de Medicina Veterinara*, 20(4), 2010.
14. Reactive Oxygen Species, Cancer and Anti-Cancer Therapies, Gina Manda, Marina Tamara Nechifor and **Teodora-Monica Neagu**, *Current Chemical Biology*, Pp., 3(1): 22-46, 2009.
15. Serum markers in skin melanoma – preliminary study, Georgiana Dumitrascu, Carolina Constantin, Gina Manda, Sanda Hristescu, Irina Margaritescu, D. Chirita, **Monica Neagu**, *Roum Arch Microbiol Immunol*, 69:125-135, 2009.
16. Biomarkers in the diagnosis and early detection of pancreatic cancer, Cristiana Pistol Tanase, **Monica Neagu**, Radu Albulescu, Eleonora Codorean & Simona Olimpia Dima, *Expert Opinion on Medical Diagnostics*, 3(5): 533-546, 2009.
17. Cell Investigations Simultaneous with Exposure to 2.45 GHz Microwaves, D. Martin, S. Cinca, I. Margaritescu, **M. Neagu**, C. Matei, N. Iacob, D. Ighigeanu, G. Craciun, E. Manaila, D. Chirita, M. Moiescu, *Journal of Microwave Power and Electromagnetic Energy*, 42 (4): 751-754, 2008.
18. Combined Microwave and Electron Beam Exposure Facilities for Medical Studies and Applications, D. Martin, S. Cinca, I. Margaritescu, **M. Neagu**, N. Iacob, D. Ighigeanu, C. Matei, G. Craciun, E. Manaila, D. Chirita, M. Moiescu, *Journal of Microwave Power and Electromagnetic Energy*, 42 (4), 771-774, 2008.
19. Studiul privind eficacitatea terapiei fotodinamice cu acidul 5 aminolevulinic în psoriazisul vulgar, Boda D, Diaconeasa A, **Neagu M**, Kaleshi H, Vlădău L, Popescu S, *Dermatovenerologie*, 53: 85-90, 2008.
20. Laser effect in photodynamic therapy of tumors, Rodica-Mariana Ion, Dragos-Viorel Brezoi, **Monica Neagu**, Gina Manda, Carolina Constantin Proc. *SPIE* Vol. 6606, 66061G (Apr. 25, 2007) 253-261, doi:10.1117/12.730203
21. Mechanisms in photodynamic therapy: photosensitizers and cellular localization on K562 cells Rodica-Mariana Ion, **Monica Neagu**, Gina Manda, Carolina Constantin,

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- Mihaela Calin SPIE -*The International Society for Optical Engineering*. Vol: 6632, 2007, DOI: 10.1117/12.727968
22. Biochemical changes in rat testis induced in vitro by reactive oxygen species. Nechifor MT, Constantin C, Manda G, **Neagu M**, Dinu D. *Roum Arch Microbiol Immunol*. 65(3-4):135-40, 2006.
 23. Alzheimer's disease delay: link to good physical function? László Csiba, Szabolcs Farkas, Peter F Ehrlich, **Monica Neagu**, Carolina Constantin, Cristiana Tanase, Stefan Kiechl, Philipp Werner, Michael Knoflach, Martin Furtner, Johann Willeit, Georg Schett, *Expert Review of Neurotherapeutics*, 6(6):809-810, 2006.
 24. The effects of organophosphate chlorpyrifos on immune function in rats, Daniela Baconi, Gina Manda, **Monica Neagu**, Dan Bălălău, Mihaela Ilie, Maria Barca, *Timisoara Medical Journal*, 55, suppl. 5: 152 – 155, 2005.
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