**Списък на избраните научни трудове на проф. дбн Сорен Б. Хайрабедян за участие в конкурса**

**НАУЧНИ ТРУДОВЕ:**

**АВТОРЕФЕРАТИ НА ДИСЕРТАЦИОННИ ТРУДОВЕ:**

1. **Сорен Хайрабедян.** Дисертационен труд на тема „Ангиогенни фактори и туморни маркери при ендометриоза”, за присъждане на образователна и научна степен “Доктор” – 2006 г.
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**МОНОГРАФИЯ:**

1. **Сорен Хайрабедян.** „Роля на инфламазомната вродена имунна сигнализация за нарушаване на кръвно-тестисната бариера, като адаптивен механизъм, водещ до развитие на инфертилитет”, за присъждане на научна степен “ – 2021 г.

**ГЛАВИ ОТ КНИГИ:**

1. Krassimira Todorova and **Soren Hayrabedyan**. Handbook of Prostate Cancer Cell Research – Growth, Signaling and Survival. NOVA BIOMEDICAL. The Stem Cell Paradigm and Its Application to prostate Cancer – An Old and Young Idea. Chapter 3, 127-177., **2009**. ISBN: 978-1-60741-954-9. (Published by Nova Science Publishers, Inc. New York)
2. Ivailo Vangelov, Julieta Dineva, Krassimira Todorova, **Soren Hayrabedyan** and Maria D. Ivanova (**2012**). Ovarian Biomarkers in Infertility, Trends in Immunolabelled and Related Techniques, Eltayb Abuelzein (Ed.), ISBN: 978-953-51-0570-1, InTech, (<http://www.intechopen.com/books/trends-in-immunolabelled-and-related-techniques/ovarian-biomarkers-in-infertility>)
3. **Soren Hayrabedyan**, Krassimira Todorova. Recent Trends in Cancer Biology: Spotlight on Signaling Cascades and microRNAs. Cell Signaling Pathways and microRNAs in Cancer Biology. Chapter 14. “When the Molecules Start Playing Chess, or How MicroRNAs Acquire Dualistic Activity During Cancer Progression.” 1, Springer-Nature International Publishing AG, **2018**, ISBN:978-3-319-71552-0, DOI:10.1007/978-3-319-71553-7

**ПУБЛИКАЦИИ В РЕФЕРИРАНИ И РЕЦЕНЗИРАНИ СПИСАНИЯ**

**СТАТИИ 60 (Общ IF – 96.851)**

**2021**

1. Daniel J. Klionsky, ..., **Soren B. Hayrabedyan**, ..., Krassimira O. Todorova, .... Guidelines for the Use and Interpretation of Assays for Monitoring Autophagy (4th edition). *Autophagy*, 17, 1, Taylor & Francis Online, 2021, ISSN:554-8627, DOI:10.1080/15548627.2020.1797280, 1-382. **JCR-IF:9.77**   **Q1 - оглавява ранглистата (Web of Science)**

**2020**

1. K. Todorova, **S. Hayrabedyan**. REPRODUCTIVE IMMUNOLOGY – A STILL IMPACTFUL SCIENTIFIC COMMUNITY AND FIELD OF RESEARCH. *Embriology*, 10, 1, 2020, ISSN:1312-7349, 16-19   **Национално неакадемично издателство**

**2019**

1. **Soren Hayrabedyan**, Reut Shainer, Zhanna Yekhtin, Lola Weiss, Osnat Almogi-Hazan, Reuven Or, Charles L. Farnsworth, Scott Newsome, Krassimira Todorova, Michael J. Paidas, Chaya Brodie, Eytan R. Barnea, Martin Mueller. Synthetic PreImplantation Factor (sPIF) induces posttranslational protein modification and reverses paralysis in EAE mice. *Scientific Reports*, 9, 12876, Spinger Nature, 2019, ISSN:2045-2322 (online), DOI:https://doi.org/10.1038/s41598-019-48473-x, 1-12. **JCR-IF:4.525**   **Q1 (Web of Science)**   [Линк](https://www.nature.com/articles/s41598-019-48473-x" \t "_blank)
2. L.Sezer, K. Todorova, **S. Hayrabedyan**. TLR4 Innate immune signaling axis shifts Sertoli cell metabolic profile, inducing several inflammasomes expression. Embriology, 9, 1, 2019, ISSN:1312-7349   **Национално академично издателство**

**2018**

1. **Soren Hayrabedyan**, **Krassimira Todorova**, Marialuigia Spinelli, Eytan R. Barnea, Martin Mueller. The core sequence of PIF competes for insulin/amyloid β in insulin degrading enzyme: potential treatment for Alzheimer’s disease. Oncotarget, 9, Impact Journals, LLC, 2018, DOI:https://doi.org/10.18632/oncotarget.26057, 33884-33895. SJR:1.942, **JCR-IF:4.67 (5.168)**   **Q1 (Scopus)**
2. Albena Apostolova, Leyla Sezer, **Soren Hayrabedyan**, Krassimira Todorova. The Role of microRNA-15A in the Development of Prostate Cancer – Effects on Cell Proliferation and Pro-Inflammatory Signalling. Acta Medica Bulgarica, 45, 2, De Gruyter Poland, 2018, DOI:https://doi.org/10.2478/amb-2018-0014, 20-24. SJR (Scopus):0.191   **Q3 (Scopus)**

**2017**

1. Krassimira Todorova, Metodi V Metodiev, Gergana Metodieva, Milcho Mincheff, Nelson Fernandez, **Soren Hayrabedyan**. Micro-RNA-204 participates in TMPRSS2:ERG regulation and androgen receptor reprogramming in prostate cancer. *Hormones and Cancer, 8(1):28-48,* **2017**Jan 3. *doi: 10.1007/s12672-016-0279-9*, **JCR-IF:3.167**
2. Goodale L, **Hayrabedran S**, Todorova K, Roussev R, Ramu S, Stamatkin C, et al. PreImplantation Factor (PIF) Protects Cultured Embryos Against Oxidative Stress: Relevance for Recurrent Pregnancy Loss (RPL) Therapy. *Oncotarget*. 8(20):32419-32432, **2017**, May 16. *doi: 10.18632/oncotarget.16028*, JCR-IF:**5.008**
3. Hakam M.S., Miranda-Sayago J.M., **Hayrabedyan S.**, Todorova K., Spencer P.S., Jabeen A., Barnea E.R., Fernandez N.. Preimplantation Factor (PIF) Promotes HLA-G, -E, -F, -C Expression in JEG-3 Choriocarcinoma Cells and Endogenous Progesterone Activity. *Cellular Physiology and Biochemistry*, 43, 6, Karger Publishers, 2017, DOI:10.1159/000484378, 2277-2296, **JCR-IF:5.104**
4. Canh P. Voong, Patrick S. Spencer, Cristina V. Navarrete, David Turner, **Soren B. Hayrabedyan**, Philip Crummy, Emma Holloway, Mike T. Wilson, Patricia R. Smith, Nelson Fernández. HLA-DR Genotyping and Mitochondrial DNA Analysis Reveal the Presence of Family Burials in a Fourth Century Romano-British Christian Cemetery. *Frontiers in Genetics*, 8, 182, Frontiers Media SA, 2017, DOI:10.3389/fgene.2017.00182, 1-10, **JCR-IF:3.789**

**2016**

1. A. Piermattei, G. Migliara, G. Di Sante, M. Foti, **S.B. Hayrabedyan**, A. Papagna, M.C. Geloso, M. Corbi, M. Valentini, A. Sgambato, G. Delogu, G. Constantin, F. Ria. Toll-Like Receptor 2 mediates in vivo pro-and anti-inflammatory effects of Mycobacterium tuberculosis and modulates autoimmune encephalomyelitis. *Frontiers in immunology*. 2016;7, *http://dx.doi.org/10.3389/fimmu.2016.00191*, JCR-IF:**5.695**
2. **Soren Hayrabedyan**, Krassimira Todorova, Asma Jabeen, Gergana, Metodieva, Stavri Toshkov, Metodi V. Metodiev, Milcho Mincheff, Nelson Fernández. Sertoli cells have a functional NALP3 inflammasome that can modulate autophagy and cytokine production. *Scientific Reports* | 5:18896 | *DOI: 10.1038/srep18896*; received: 15 September 2015; accepted: 27 November 2015; Published: 8 January 2016 Nature Publishing Group, ISI **IF=5.578**
3. Chen YC, Rivera J, Fitzgerald M, Hausding C, Ying YL, Wang X, Todorova K, **Hayrabedyan S**, Barnea ER, Peter K. PreImplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. *Thromb Haemost*. 2016 Feb 4;115(5). [Epub ahead of print] PubMed PMID: 26842698, JCR-IF:**5.255**
4. Barnea, Eytan R., **Hayrabedyan, Soren**, Todorova, Krassimira, Almogi-Hazan, Osnat, Or, Reuven, Guingab, Joy, McElhinney, James, Fernandez, Nelson, Barder, Timothy, PreImplantation factor (PIF\*) regulates systemic immunity and targets protective regulatory and cytoskeleton proteins. *Immunobiology* *http://dx.doi.org/10.1016/j.imbio.2016.02.004*, JCR-IF:**3.044**

**2015**

1. **Soren Hayrabedyan**, Elina Avramska, Krassimira Todorova. Stemness applied to testis stem cell niche. *Andrologiia*, vol 25, lss. 4, 2015, pp 7-14
2. Eytan R. Barnea, David Kirk, Krassimira Todorova, James McElhinney, **Soren Hayrabedyan**, Nelson Fernández. PIF direct immune regulation: Blocks mitogen-activated PBMCs proliferation, promotes TH2/TH1 bias, independent of Ca2+. *Immunobiology*. 2015 <http://dx.doi.org/10.1016/j.imbio.2015.01.010>, JCR-IF:**3.044**
3. Elena Kistanova, Mihail Chervenkov, Kiril Shumkov, Rayko Peshev, Krasimira Todorova, **Soren Hayrabedyan**, Desislava Abadjieva, Almantas Shimkus and Aldone Shimkiene Immunostimulatory Properties of Spirulina platensis against Rabbit Haemorrhagic Disease Virus  (14-131). *Pakistan Veterinary Journal* 2015, JCR-IF:**1.392**.
4. **S. Hayrabedyan**, K. Todorova.NALP signalling is required in sertoli cells for tight-junction protein interaction. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp12-17.
5. K. Todorova**, S. Hayrabedyan**. miR-15A reconstitution in prostate cancer cell line suppresses cancer progression through down regulation of myb and androgen receptor upregulation. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp 18-22.
6. **Soren B. Hayrabedyan**, Diana Y. Zasheva, Krassimira O. Todorova. NLRs challenge impacts tight junction claudins in Sertoli cells. *Folia Medica*, 2015; 57(1): 43-48
7. Krassimira Todorova, Kristiyan Kanev, Diana Zasheva, **Soren Hayrabedyan**. Dualistic role of microrna-204 in lymph node prostate cancer cell line model. *Andrologiia*, vol 24, lss. 3, 2015
8. Krassimira Todorova, Metodi V. Metodiev, Gergana Metodieva, Diana Zasheva, Milcho Mincheff, and **Soren Hayrabedyan**. miR-204 is Dysregulated in Metastatic Prostate Cancer In Vitro. *Molecular Carcinogenesis*, 2015; Published online in Wiley Online Library ([wileyonlinelibrary.com](http://wileyonlinelibrary.com)), JCR-IF:**4.8**

**2014**

1. Krassimira Todorova, Diana Zasheva, **Soren Hayrabedyan**. Innate immunity challenge differently modulates inflammatory and apoptosis regulation in lymph node and bone marrow metastatic cell line models, favouring higher metastatic phenotype. *Comptes rendus de l’Acade ́mie bulgare des Sciences* Tome 67, No 11, 2014, 1575-1582, JCR-IF:**0.284**
2. Krassimira Todorova, Diana Zasheva, Kristiyan Kanev, and **Soren Hayrabedyan.** miR-204 Shifts the Epithelial to Mesenchymal Transition in Concert with the Transcription Factors RUNX2, ETS1, and cMYB in Prostate Cancer Cell Line Model. *Journal of Cancer Research*, vol. 2014, Article ID 840906, 14 pages, 2014. *doi:10.1155/2014/840906*
3. Barnea ER, Lubman DM, Liu Y-H, Absalon-Medina V, **Hayrabedyan S**, et al. (2014) Insight into PreImplantation Factor (PIF\*) Mechanism for Embryo Protection and Development: Target Oxidative Stress and Protein Misfolding (PDI and HSP) through Essential RIPK Binding Site. *PLoS ONE* 9(7): e100263. *doi:10. 1371/journal.pone.0100263*, JCR-IF:**3.534**

**2013**

1. Asma Jabeen, Jose ́ Maria Miranda-Sayago, Boguslaw Obara, Patrick Simon Spencer, Gill Barbara Dealtry, **Soren Hayrabedyan**, Valerie Shaikly, Pierre Philippe Laissue, and Nelson Ferna ́ndez. Quantified Colocalization Reveals Heterotypic Histocompatibility Class I Antigen Associations on Trophoblast Cell Membranes: Relevance for Human Pregnancy. *Biology of Reproduction* (2013) 89(4):94, 1–10 Published online before print 4 September 2013. *DOI 10.1095/biolreprod*.113.111963, JCR-IF:**3.451**
2. Nelly Manolova, **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev & Maria Stamenova (2013). Endometriosis Peritoneal Fluid Factors Involved in the Alteration of Decidualization Process, *Biotechnology & Biotechnological Equipment*, 27:4, 3982-3986, *DOI: 10.5504/BBEQ.2013.0032*, **JCR-IF:0.379**
3. **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Daniela Moyankova, Desislava Georgieva, Jordana Todorova & Dimitar Djilianov (2013). Haberlea Rhodopensis has Potential as a New Drug Source Based on its Broad Biological Modalities, *Biotechnology & Biotechnological Equipment*, 27:1, 3553-3560, JCR-IF:**0.379**
4. **Soren Hayrabedyan**, Milcho Mincheff, Diana Zasheva, Nelly Manolova, Krassimira Todorova. Autophagy signalling is differentially modulated by miR-204 in context of innate immunity induction. *Comptes rendus de l’Acade ́mie bulgare des Sciences*. Tome 66, No 1, 2013, 127-132,  **JCR-IF:0.198**
5. Nelly Manolova, **Soren Hayrabedyan**, Krassimira Todorova, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev, Maria Stamenova. In search of factors in endometriosis peritoneal fluid that decreased decidualization process. *Comptes rendus de l’Academie bulgare des Sciences*. Tome 66, No 1, 2013. 153-158, JCR-IF:**0.198**

**2012**

1. **Hayrabedyan, S.**, Todorova, K., Pashova, S., Mollova, M., Fernández, N. Sertoli Cell Quiescence - New Insights (2012) *American Journal of Reproductive Immunology*. Epub 2012/04/24, JCR-IF:**3.317**
2. Todorova, K., Mincheff, M., **Hayrabedyan, S**., Mincheva, J., Zasheva, D., Kuzmanov, A., Fernández, N. Fundamental Role of microRNAs in Androgen-Dependent Male Reproductive Biology and Prostate Cancerogenesis (2012) *American Journal of Reproductive Immunology*, Epub 2012/04/26, JCR-IF:**2.668**
3. Spencer, P.S., Hakam, S.M., Laissue, P.P., Jabeen, A., Jain, P., **Hayrabedyan, S**., Todorova, K., Blanch, A., Mcelhinney, J.M., Muhandiram, N., Alkhatib, S., Dealtry, G.B., Miranda-Sayago, J.M., Fernández, N. Key Cellular Components and Interactive Histocompatibility Molecules Regulating Tolerance to the Fetal Allograft (2012) *American Journal of Reproductive Immunology*. Epub 2012/04/24, JCR-IF:**3.317**
4. Kyurkchiev, S., Gandolfi, F., **Hayrabedyan, S.**, Brevini, T.A.L., Dimitrov, R., Fitzgerald, J.S., Jabeen, A., Mourdjeva, M., Photini, S.M., Spencer, P., Fernández, N., Markert, U.R. Stem Cells in the Reproductive System (2012) *American Journal of Reproductive Immunology*, 67 (6), pp. 445- 462, JCR-IF:**3.317**
5. **Hayrabedyan, S**., Georgiev, B., Kacheva, D., Chervenkov, M., Shumkov, K., Taushanova, P., Kistanova, E. Flowcytometry as a method for advanced evaluation of boar semen (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (4), pp. 541-548, JCR-IF:**0.211**
6. Georgiev, B., **Hayrabedyan, S**., Todorova, K., Zasheva, D., Taushanova, P., Kacheva, D., Hansen, P.J. Sperm proteins as potential markers of boar fertility (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (4), pp. 533-540, JCR-IF:**0.211**
7. Kr. Todorova, **S. Hayrabedyan**, J. Dineva, I. Vangelov, D. Zasheva, V. Penchev, G. Nikolov, M. Mollova and M. Ivanova. Cumulus biomarker evaluation for human oocyte quality prediction. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, No 1, 70-76
8. K. Todorova, N. Manolova, D. Zasheva, **S. Hayrabedyan**. A relationship between microRNA-204 and occludin in prostate cancer inflammation signaling. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, No 2, 23-28
9. Krasimira Todorova, Milcho Mincheff, Diana Zasheva, **Soren Hayrabedyan**. The role of miR-204 and NOD1 receptor in prostate cancer inflammation signalling (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (12), pp. 1739-1744, JCR-IF:**0.211**

**2011**

1. Todorova K., I. Vangelov, J. Dineva, V. Penchev, **S. Hayrabedyan**, G. Nikolov, M. Mollova, M. Ivanova. Lysil oxidase as a potential biomarker for predicting oocyte quality. *Comptes rendus de l’Academie bulgare des Sciences*. 2011,Vol 64, No9, pp.1355-1362, JCR-IF:**0.210**
2. Todorova K., D. Zasheva, **S. Hayrabedyan**, J. Dineva, I. Vangelov, V. Penchev, G. Nikolov, M. Mollova, M. Ivanova Gene panel in human cumulus cells as biomarker for successful in vitro procedures. *Comptes rendus de l’Academie bulgare des Sciences*. 2011, ISSN: 1310-1331 Vol 64, No8, pp.1143-1150, JCR-IF:**0.210**
3. K. Todorova, **S. Hayrabedyan**, J. Dineva I. Vangelov, V. Penchev, D. Nikolov, M. Mollova, M. Ivanova. IVF studies on the genetic potential of cumulus cells as biomarkers for selection of oocytes. BG Journal: *Reproductive Health* 2011, N18, pp 23-32.

**2004 - 2008**

1. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Calcium-binding protein S100A13 is overexpressed in endometriosis. *Comptes rendus de l’Acade'mie bulgare des Sciences*, 2008 Vol 61 No2 pp.281-292 2007
2. Kuzmanov A, **Hayrabedyan S**., Karaivanov M., Todorova K. Basal cell subpopulation as putative human prostate carcinoma stem cells. *Folia Histochem Cytobiol*. 2007, N 2, pp75-80, JCR-IF:**1.081**
3. Sarafian VS, Uzunova Y, **Hayrabedyan S**, Ganchevska P, Filipova M, Filipov I, Lukanov L, Vladimirov S. Histo-blood group antigen expression and proliferative activity of fibroblasts treated with dental monomers. *Cell Biol Toxicol*. 2007, JCR-IF:**1.971**
4. Kyurkchiev D., Ivanova-Todorova E., **Hayrabedyan S.**, Altankova I., Kyurkchiev S. Female sex steroid hormones modify some regulatory properties of monocyte-derived dendritic cells. *Americal J Reprod Immunology*, 2007, 58(5):425-433, JCR-IF:**2.172**
5. K. Todorova, **S. Hayrabedyan**, T. Shamov, M. Karaivanov, A. Kuzmanov, S. Kyurkchiev, I. Kehayov. Quantitative evaluation of AMACR in glioblastoma. *Comptes rendus de l’Academie bulgare des Sciences*, 2007, Tome 60, No. 10, pp.1123-1126 JCR-IF:**0.106**
6. K. Todorova, T. Shamov, **S. Hayrabedyan**, A. Kuzmanov, S. Kyurkchiev, I. Kehayov Quantitative evaluation of angiogenesis in glioblastoma with CD105. *Comptes rendus de l’Academie bulgare des Sciences*, 2007, Tome 60, No. 5, pp.577-580 JCR-IF:**0.106**
7. Karaivanov M, Todorova K, Kuzmanov A, **Hayrabedyan S.** Quantitative immunohistochemical detection of the molecular expression patterns in proliferative inflammatory atrophy. *J Mol Histol*., 2006, JCR-IF:**1.979**
8. Karaivanov M., Todorova K., Kuzmanov A., **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Immunohistochemical comparative analysis of the expression of p63, AMACR, COX-2 and GSTP1 in proliferative inflamatory athrophy, prostate intraepithelial neoplasia and prostate carcinoma: diferential diagnosis and predicative significance. *Comptes rendus de l’Academie bulgare des Sciences*, 2006; Tome 59, N8, pp.885-889
9. Kuzmanov A., Todorova K., **Hayrabedyan S**., Karaivanov M., Kehayov I., Kyurkchiev S. Subpopulation of basal cell as putative human prostate carcinoma stem cells. *Comptes rendus de l’Academie bulgare des Sciences*, 2006; Tome 59, N12, pp.1327-1330
10. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Evaluation of IL-1A Expression in Endometriotic Lesions Using Quantitative Immunohistochemistry Approach, *Comptes rendus de l’Académie bulgare de Sciences*. 2006,Tome 59, No 2, p.229
11. Todorova K., **Hayrabedyan S**., Kuzmanov A. Karaivanov M. Kehayov I., Kyurkchiev S. Expression patterns of PSMA, COX-2, iNOS and GST in prostate carcinoma, adenoma and normal human tissues. *Comptes rendus de l’Academie bulgare des Sciences*, 2006; Tome 59, N4, pp.459-462
12. Todorova K., **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Quantitative assessment of the expression levels of PSMA, hCG and endoglin in prostate carcinoma tissues. *Clinical Application of Immunology*, 2006, N3, p512-515
13. **Hayrabedyan S**., Kyurkchiev S., Kehayov I., FGF-1 and S100A13 possibly contribute to angiogenesis in endometriosis. (Review) J Reprod Immunol., 2005, October Vol. 67, Issues. 1-2, pp. 87-101, JCR-IF:**2.5**, ***Top 25 Hottest Articles for October- December 2005, ScienceDirect*** ([http://top25.sciencedirect.com/subject/immunology- and-microbiology/14/journal/journal-of-reproductive- immunology/01650378/archive/6/](http://top25.sciencedirect.com/subject/immunology-%20and-microbiology/14/journal/journal-of-reproductive-%20immunology/01650378/archive/6/))
14. **Hayrabedyan S**., Kyurkchiev S., Kehayov I. Endoglin (CD105) and S100A13 as markers of active angiogenesis in endometriosis. *Reprod Biol.* 2005, 5(1):51-67.
15. **Hayrabedyan S**.,Mourdjeva M.,Kyurkchiev S.,KehayovI I. .Immunofluorescent localization of IL-1α, FGF-1, S100A13 as angiogenic factors and a specific ovarian cancer marker (OVAC) in endometriosis. *Clinical Application of Immunology*, 2004, Vol. 3, No. 1, pp. 386-390.
16. **Hayrabedyan S**., Kyurkchiev S. Kehayov I. Application of partial deglycosilation with periodic acid for glycotope demasking in endometrial carcinoma. *Onkologos*, 2004 pp.30-33
17. Todorova K., **Hayrabedyan S**., Karaivanov M., Kehayov I., Kyurkchiev S. Potential markers for prostate carcinoma malignancy characterization. *Clinical Application of Immunology*. 2004; Vol.3, N2, pp.386-390
18. **Hayrabedyan S**., Kehayov I., Kyurkchiev S. Detection of endoglin in endometriotic lesions by immunocytochemical methods. *Comptes rendus de l’Académie bulgare de Sciences*. 2004, Tome 57, No.1,pp.69-76.