# LISTĂ COMPLETĂ A PUBLICAȚIILOR

**CANDIDAT Dr. Raluca-Oana DUMACHE**

# Titlul tezei de doctorat

Noi biomarkeri tumorali în prognosticul, diagnosticul și orientarea terapeutică în cancerul de prostată, 2010

# Titlul tezei de abilitare

Human identification: from genetic profile to DNA phenotyping, 2023

# Cărți de specialitate

1. Andrei Anghel, Edward Seclaman, Liviu Tamaș, Marilena Motoc, Eugen Sisu, Adriana Kaycsa, Dana David, Corina Samoila, Daniela Grecu, Felicia Sfrijan, Adrian Mihala, Diana Bonte, Cristiana Bujor, Anda Alexa, Camelia Gurban, Alina Șerb, **Raluca Dumache**. Lucrări practice de chimie și biochimie medicală pentru studenții Facultăților de Medicină. Editura Victor Babeș, Timișoara 2012. ISBN 978-606-8054-92-6
2. Andrei Anghel, Edward Seclaman, Liviu Tamaș, Marilena Motoc, Eugen Sisu, Adriana Kaycsa, Dana David, Corina Samoila, Daniela Grecu, Felicia Sfrijan, Adrian Mihala, Diana Bonte, Cristiana Bujor, Anda Alexa, Camelia Gurban, Alina Șerb, **Raluca Dumache**. Lucrări practice de chimie și biochimie medicală pentru studenții Facultaților de Medicină. Editura Victor Babeș, Timișoara 2014. ISBN 978-606-8456-36-2
3. Sara Palermo and **Raluca Dumache.** Criminology and Post-mortem Studies - Analyzing Criminal Behaviour and Making Medical Decisions. Editura In Tech Open 2021. ISBN 978-1- 83962-774-3

# Capitole in volume colective

* 1. Alexandra Enache, Camelia Muresan, Veronica Ciocan, Ecaterina Dăescu, Denisa Gavriliță, Emanuela Stan, Ștefania Ungureanu, Alexandra Mihăilescu**, Raluca Dumache.** Legal aspects of alchohol intake: a Romanian perspective. Alcohol and alcohol related diseases. Editors Sebastian Mueller and Markus Heilig. Springer, 2023, pg.103-111.ISBN 978-3-031-32482-6.
  2. **Raluca Dumache**, Alexandra Enache. Informed Consent and Medical Decision Making: Ethical Challenges. Heading Towards Humans Again: Aspects of Bioethics in the New Age of Science. Editor Miroslav Radenković. Editura Trivent, seria Ethics in Science and Technology. Budapest 2021. Pg.61-75. ISBN 978-615-81821-1-9
  3. **Raluca Dumache**, Veronica Ciocan, Camelia Muresan, Ramona Parvanescu, Alexandra Enache. Advantages of salivary DNA in human identification. Saliva and salivary diagnostics. Edited by SRIDHARAN GOKUL. In Tech Publishing House,2019, pag 77-84. ISBN 978-1-78984-310-1.
  4. **Raluca Dumache**, V.Ciocan, C.Muresan, A.Enache. Molecular genetics and its applications in forensic sciences. Forensic Analysis: From death to justice.Editors Shetty Suresh, Kumar Jagadish. In Tech Publishing House, 2016. pg.87-96.ISBN: 978-953-51-4779-4.
  5. **Raluca Dumache**, Șerban Negru. Carcinogeneza. Curs de Oncologie generală, sub coordonarea Șerban Negru. Editura Victor Babeș Timisoara, 2011. pg.17-31. ISBN 978-606-8054-34-6

# Articole publicate in extenso

## Articole in reviste cotate ISI cu factor de impact

1. Talida Georgiana Cut, Veronica Ciocan, Dorin Novacescu, Adrian Voicu, Adelina Raluca Marinescu, Voichita Elena Lazureanu, Camelia Oana Muresan, Alexandra Enache, **Raluca Dumache**. Autopsy Findings and Inflammatory Markers in SARS-CoV-2: A Single-Center Experience.International Journal of General Medicine2022;15:8743-8753. ISSN 1178-7074. FI=2,145
2. **Raluca Dumache**, Enache A, Macasoi I, Dehelean CA, Dumitrascu V, Mihailescu A, Popescu R, Vlad D, Vlad CS, Muresan C. SARS-CoV-2: An Overview of the Genetic Profile and Vaccine Effectiveness of the Five Variants of Concern. Pathogens 2022; 11(5):1-24. **ISSN 2076-0817. FI=4,531**
3. **Raluca Dumache,** Enache A, T. Cut, C. Paul, A. Mihailescu, A. Ionescu, D. Novacescu, A. Marinescu, V. Ciocan, C. Muresan, A. Voicu. Deficiency of Vitamin D, a major risk factor for SARS-CoV-2 severity. Clinical Laboratory 2022; 68(3): 455-462. ISSN 1433-6510. FI=0,7
4. Alexandra Enache, Veronica Ciocan, Camelia Oana Muresan, Talida Georgiana Cut, Dorin Novacescu, Corina Paul, Nicoleta Andreescu, Alexandra Mihailescu, Marius Raica, **Raluca Dumache.** Post-mortem Documentation of SARS-CoV-2 in Utero and Postpartum Transmission, through Amniotic Fluid, Placental, and Pulmonary Tissue RT-PCR*.* Applied Sciences2021;11: 9505. **ISSN 2076-3417. FI=2,838**
5. Radu Minciu, Anca Tudor, Gheorghe Pupca, Livius Daminescu**, Raluca Dumache.** Renal cancer diagnosed by non-invasive methods from body fluids by quantitative methylation-specific PCR (qMSP). Clinical Laboratory 2016; 62 (8): 1563-1568. ISSN 1433-6510. FI=0,840
6. **Raluca Dumache**, Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Mirela Sarandan, Alina Carmen Cradigati, Marius Papurica, Corina Maria Dumbuleu, Radu Nartita, and Dorel Sandesc. Use of miRNAs as biomarkers in sepsis. Analytical Cellular Pathology. Volume 2015, Article ID 186716, 9 pages http://dx.doi.org/10.1155/2015/186716. ISSN 2210-7177.
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15. Adelina Raluca Marinescu, Ruxandra Laza, Virgil Filaret Musta, Talida Georgiana Cut, **Raluca Dumache** (equal contribution), Anca Tudor, Mirela Porosnicu , Voichita Elena Lazureanu, Monica Licker, Clostridium Difficile and COVID-19: General Data, Ribotype, Clinical Form, Treatment-Our Experience from the Largest Infectious Diseases Hospital in Western Romania. Medicina 2021;57:1099. ISSN 1648-9144. FI=2,948
16. TG Cut, C Tudoran, VE Lazureanu, AR Marinescu, **Raluca Dumache**, M Tudoran. Spontaneous Pneumomediastinum, Pneumothorax, Pneumopericardium and Subcutaneous Emphysema—Not So Uncommon Complications in Patients with COVID-19 Pulmonary Infection—A Series of Cases. J. Clin. Med. 2021;10: 1346. ISSN **2077-0383. FI=4,964**
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20. R.Minciu, **Raluca Dumache**, G.Pupca, L.Daminescu, A.F.Rogobete, D.Ionescu. Molecular diagnosis of prostate cancer from body fluids using methylation-specific PCR (MSP) by non-invasive methods. Clinical Laboratory 2016; 62(6):1183-1186. ISSN 0034-7752. FI=0,840 (autor corespondent)
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1. **Raluca Dumache**, M.Puiu, V.Ciocan, C.Muresan, A.Enache. Ethical considerations regarding genetic discrimination in the case of Huntington’s disease. European Scientific Journal, October 2015, vol.11, no.30. ISSN: 1857-7881; e-ISSN: 1857-7431
2. **Raluca Dumache**,V. Dumitrașcu,S.Negru, A.Tudor, B.Bumbăcilă, M.Puiu. New tumoral biomarkers used in the diagnosis,prognosis and therapeutic approach in prostate cancer. Balkan Journal of Clinical Laboratory. XIX,11,1,2010. ISSN: 1310-4543

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5. **Raluca Dumache,** C.Mureșan,A.Enache. Applications of epigenetics in forensic sciences. International Journal of Molecular Medicine, Vol.34, Supplement 1, 2014. 19th World Congress on Advances in Oncology,17th International Symposium on Molecular Medicine. 9- 11 Octombrie 2014, Atena, Grecia
6. **Raluca Dumache**, A.Tudor, A.Bucur, D.Ionescu, S.Popescu, S.Negru, S.Putnoky, R.Minciu, V.Dumitrascu. Retinoic acid receptor β2(RARβ2), a promising noninvasive biomarker to distinguish between malignant and benign prostate lesions in urine samples. Biochimica clinica 2013, Vol.37, Special Supplement. 20th IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine (EuroMedLab) and 45th Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC). 19-23 mai 2013, Milano, Italia
7. **Raluca Dumache,** S.Negru, R.Minciu, S.Putnoky ,D.Ionescu, M.Puiu**.**Prognostic significance in biochemical recurrence of prostate cancer in preoperative serum glutathione S-transferase P1 gene in men following radical prostatectomy. Europen Journal of Human Genetics, Vol.21, Supplement 2, iunie 2013**.** European Human Genetics Conference 2013, 8-11 iunie 2013 Paris, Franta
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10. **Raluca Dumache,** R.Minciu, B.Bumbăcilă, S.Negru, A.Tudor, M.Puiu. Non-invasive diagnosis of prostate cancer from body fluids using a panel of tumor suppressor genes. European Urology Supplements, Volume 10, No.2, Martie 2011. 26th Annual European Association of Urology (EUA) Congress. 18-22 Martie 2011, Viena, Austria
11. **Raluca Dumache,** B.Bumbăcilă, S.Negru, A.Tudor, M.Puiu**.** Noninvasive detection of GSTP1 gene in urine samples from prostate cancer patients. European Journal of Human Genetics, Vol.19, Supplement 2, Mai 2011.European Human Genetics Conference 2011. 28-31 mai 2011, Amsterdam, Olanda
12. **Raluca Dumache,** M.Puiu, S.Negru, B.Bumbăcilă, N.Cucu. Detection of aberrant promoter hypermethylation of multiple genes in urine samples from kidney cancer patients. Clinical Chemistry and Laboratory Medicine 2011, Vol.49, Special Supplement, May 2011. IFCC- WorldLab Berlin 2011. 21st International Congress of Clinical Chemistry and Laboratory Medicine, 19th IFCC-EFCC European Congress of Clinical Chemistry and Laboratory Medicine, 8th Annual Meeting of the German Society of Clinical Chemistry and Laboratory Medicine. 15-19 mai 2011, Berlin, Germania
13. **Raluca Dumache,** S.Negru, D.L.David, M.Puiu, D.Ionescu**.** Predicting prostate cancer by detecting GSTP1 aberrant promoter methylation in serum DNA. European Urology Supplements 2011, 10(9):616. European Association of Urology (EUA).11th Central European Meeting. 28-29 Octombrie 2011, Timisoara,Romania
14. **Raluca Dumache,** M.Puiu, D.Sîrbu, S.Negru, B.Bumbăcilă. Promoter hypermethylation of tumor suppressor genes in urine sediment from prostate cancer patients. Annals of Oncology, volum 21, Supplement 8, 2010. 35th European Society of Medical Oncology (ESMO) Congress. 8-12 Octombrie 2010, Milano, Italia
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16. **Raluca Dumache,** M.Puiu, B.Bumbăcilă, G.Anton, N.Cucu. Epigenetic biomarker for the early diagnosis of prostate cancer. European Journal of Human Genetics 2009, Vol.17, Supplement European Human Genetics Conference 2009. 23-26 mai 2009,Viena, Austria
17. **Raluca Dumache**, Margit Șerban, Maria Puiu. Prognostic role and clinical significance of minimal residual disease in acute lymphoblastic leukemia of childhood. 4th Santorini Conference Biologie Prospective. Clinical Chemistry and Laboratory Medicine 2008, 46(8). 21- 23 Septembrie 2008, Santorini, Grecia.
18. **Raluca Dumache**, M.Puiu, A. Enache, A Mihailescu. Dilemas and ethics of predictive genetic testing in Huntington disease: the right to know the information. 14thWorld Conference on Bioethics, Medical Ethics and Health Law. 07.03-10.03.2022, Porto, Portugal
19. **Raluca Dumache,** A.Enache. Jane Doe’s Identification from teeth by automate DNA extraction. The 28th Congress of the ISFG, 9-13th of September 2019, Prague, Czech Republic
20. **Raluca Dumache,** A.Enache, G.Girbea, L.Barbarii. Importance of touch DNA in solving a crime case. 8th European Academy of Forensic Science Conference 27th-31st of August, Lyon, France 2018
21. **Raluca Dumache,** A.Enache, R.Nicolae, G.Girbea, V.Ciocan, C.Muresan, L.Barbarii. Importance of haploid DNA markers in establishing paternity of a child from a brother-sister incest relationship. 11th Haploid Markers Conference, 17-19 May 2018, Bydgoszcz, Polonia
22. **Raluca Dumache**, K.Csiki, V.Ciocan, C.Muresan, A.Enache. Ethics and Forensic Genetics. International Conference on Bioethics in the New Age of Science, 10-11 May 2018, Szeged, Hungary
23. **Raluca Dumache,** V.Ciocan, CO Muresan, A Enache. Identification of an unknown corpse by DNA sibling analysis. 10th ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures in Individualized Medicine. 19-24 June 2017, Dubrovnik Croatia. ISBN 978-953-57695-2-1
24. **Raluca Dumache**, V.Ciocan ,C.Muresan, A.Enache. MicroRNAs(MIRs): new biomarkers in forensically body fluids identification. 7th European Academy of Forensic Science Conference EAFS 2015. 6-11 septembrie 2015, Praga, Republica Cehă. ISBN 978-80-260-8659-8
25. **Raluca Dumache**, C.Popoiu, N.Andreescu, D.Chioran, M.Puiu, S.Negru. Genetic and epigenetic biomarkers in the noninvasive diagnosis of oral cancers*.* 17th DKMT Euroregional Conference on Environment and Health. 5-6 iunie 2015, Szeged, Ungaria. ISBN 978-963-306- 37

# Alte lucrări si contribuții științifice

## Premii internaţionale

1. **Raluca Dumache**,V.Dumitrașcu, S.Negru, A.Tudor, B.Bumbăcilă, M.Puiu. *New tumoral biomarkers used in the diagnosis,prognosis and therapeutic approach in prostate cancer.* **Balkan Award for Clinical Laboratory Research 2011**.21-23 Septembrie 2011, București, Romania

## Lucrării științifice premiate la nivel național

1. Premiul **Eugen Mody 2016** Asociatia de Medicină de Laboratoar din Romania (AMLR)
2. Lucrării științifice coordonate și premiate la conferințe studențești - la nivel naţional:Significance of gluthatione S-transferase P1 (GSTP1) gene in the noninvasive detection of prostate cancer by quantitative methylation-specific polymerase chain reaction(qMSP).
3. Premiul III The XVI th International Congress for Medical Students and Young Doctors. 17-20 Mai 2012, Timișoara, Romania