

### **Articole publicate ISI:**

1. L. O. Scoicaru, M.I. Rusu, C.R. Iordanescu (Stefan), B. Chiricuta, M.V. Udrea, R. Munteanu, I. A. Birtoiu, C. Rizea, C.E.A. Grigorescu – “*New advances in analytic and diagnostic technologies based on Raman spectroscopy*” – **19th International Conference on Transparent Optical Networks (ICTON) IEEE Proceedings Paper**, July 2017, pp 1 - 4, DOI: 10.1109/ICTON.2017.8024930; <http://ieeexplore.ieee.org/document/8024930/> [https://www.researchgate.net/publication/319569514\\_New\\_advances\\_in\\_analytic\\_and\\_diagnostic\\_technologies\\_based\\_on\\_Raman\\_spectroscopy](https://www.researchgate.net/publication/319569514_New_advances_in_analytic_and_diagnostic_technologies_based_on_Raman_spectroscopy)
2. I. A. Birtoiu, C. Rizea, D. Togoe, R. M. Munteanu, C. Micsa, M.I. Rusu, M. Tautan, L. Braic, L. O. Scoicaru, A. Parau, N. D. Becherescu-Barbu, M. V. Udrea, A. Tonetto, R. Notonier, C. E. A. Grigorescu – “*Diagnosing clean margins through Raman spectroscopy in human and animal mammary tumour surgery: a short review*” – **Journal of the Royal Society INTERFACE FOCUS - Vol. 6; No. 6; pp 1-11; 6 December DOI: 10.1098/rsfs.2016.0067; 2016.** [https://www.researchgate.net/publication/308074006\\_Diagnosing\\_Clean\\_Margins\\_through\\_Raman\\_Spectroscopy\\_in\\_Human\\_andAnimal\\_Mammary\\_Tumour\\_Surgery\\_-\\_a\\_short\\_review](https://www.researchgate.net/publication/308074006_Diagnosing_Clean_Margins_through_Raman_Spectroscopy_in_Human_andAnimal_Mammary_Tumour_Surgery_-_a_short_review)
3. Catalin Micsa, Constantin Rizea; Madalin Ion Rusu; Nicolae Dan Becherescu-Barbu; Raluca Munteanu; Mircea Virgil Udrea; Bogdan Chiricuta; Anca Parau; Alain Tonetto; Roger Notonier; Ioan Alin Birtoiu; Cristiana-Eugenia-Ana Grigorescu- “*Surface enhanced raman scattering in surgery and forensics*”- **18th International Conference on Transparent Optical Networks (ICTON) IEEE Conference Publications; 1 – 4 pp, DOI: 10.1109/ICTON.2016.7550356; 2016; ISSN: 2161-2064.** <http://ieeexplore.ieee.org/servlet/opac?punumber=1000766>
4. Ioan A. Birtoiu, Madalin I. Rusu, Nicolae. D. Becherescu-Barbu, Bogdan A. Vitalaru, Dorin Togoe, Manuela Pascal, Mircea V. Udrea, Bogdan Chiricuta, Constantin Rizea, Anca Parau, Cristiana E.A. Grigorescu - “*Micro-Raman spectroscopy in the visible range: a tool for rapid investigation of mammary tumours*” - **Romanian Reports in Physics, Vol. 67, No. 4, P. 1525–1536, 2015.** [http://www.rrp.infim.ro/2015\\_67\\_4/A31.pdf](http://www.rrp.infim.ro/2015_67_4/A31.pdf)

### **Articole publicate alte baze de date:**

1. R.M. Munteanu, L.O. Scoicaru, M. Militaru, E. Gagniuc, C. Micsa, D. Togoe, A.B. Vitalaru, M.I. Rusu, M. Tautan, B. Chiricuta, M.V. Udrea, A. Sonea, C-E-A. Grigorescu, A. I. Birtoiu – “*Comparison of benign and malignant mammary tumors in dogs through raman spectroscopy: two clinical cases*” **Revista Romana de Medicina Veterinara, Scientific works. Series C. Vol LXIII (2), pp. 85-90, 2017;**
2. Alin I. Birtoiu, Raluca M. Munteanu, Catalin Micsa, Dorin Togoe, Alexandru B. Vitalaru, M.I. Rusu, M. Tautan, L. Braic, L.O. Scoicaru, A. Parau, N. D. Becherescu-Barbu, M. V. Udrea, C-E-A. Grigorescu– “*Markers for tumor margin assessment through Raman spectroscopy in comparative oncology*” – **Universitatea de Științe Agricole și Medicină veterinară “Ion Ionescu de la Brad” Iași - Lucrări științifice. Seria Medicină Veterinară, Vol. 59(18), partea 2, pp 140-147on -line ISSN 2393 – 4603, ISSN–L 1454 – 7406**

**Conferinte:**

- 1.) **The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest Agriculture for life, life for agriculture, Section 4 - Veterinary Medicine, June 8-10, 2017, Bucharest, Romania**  
**Prezentare orală** - Raluca M. Munteanu, L.O. Scoicaru, Manuella Militaru, Elvira Gagniuc, Catalin Micsa, Dorin Togoe, Alexandru B. Vitalaru, M.I. Rusu, M. Tautan, B. Chiricuta, M. V. Udrea, Alexandru Sonea, C.E.A. Grigorescu, Alin I. Birtoiu – *„Comparison of benign and malignant mammary tumors in dogs through Raman spectroscopy: two clinical cases”*
- 2.) **19th International Conference on Transparent Optical Networks ICTON 2017, 2-6 Iulie 2017, Girona, Catalonia, Spain.**  
**Lucrare invitata** - L. O. Scoicaru, M.I. Rusu, C.R. Iordanescu (Stefan), B. Chiricuta, M.V. Udrea, R. Munteanu, I. A. Birtoiu, C. Rizea, C.E.A. Grigorescu – “ *New advances in analytic and diagnostic technologies based on Raman spectroscopy*”.
- 3.) **Congresul Internațional "Științele vieții - o provocare pentru viitor" 20 - 22 octombrie 2016, Iași, Romania.**  
**Prezentare orală** - Alin I. Birtoiu, Raluca M. Munteanu, Catalin Micsa, Dorin Togoe, Alexandru B. Vitalaru, M.I. Rusu, M. Tautan, L. Braic, L. O. Scoicaru, A. Parau, N. D. Becherescu-Barbu, M. V. Udrea C-E-A. Grigorescu - “*Markers for tumor margin assessment through Raman spectroscopy in comparative oncology*”.
- 4.) **18th International Conference on Transparent Optical Networks ICTON 2016, 10-14 Iulie, 2016, Trento, Italia.**  
**Lucrare invitata** - Catalin Micsa, Constantin Rizea, Madalin Ion Rusu, Nicolae Dan Becherescu-Barbu, Raluca Munteanu, Mircea Virgil Udrea, Bogdan Chiricuta, Anca Parau, Alain Tonetto, Roger Notonier, Ioan Alin Birtoiu, Cristiana-Eugenia-Ana Grigorescu- “*Surface enhanced Raman scattering in surgery and forensics*”.
- 5.) **EMRS - Spring Meeting and Exhibit 2016, Lille, Franta, 2 – 6 mai 2016.**  
**Prezentare orală** - I.A. Birtoiu, C. Rizea, M.I. Rusu, N. D. Becherescu-Barbu, B. A. Vitalaru, D. Togoe, M. Pascal, R. Munteanu, M. V. Udrea, B. Chiricuta, A. Parau, C.E.A. Grigorescu. „*Advances in surgical instrumentation for ex vivo and in vivo assessment of clean margins*”.
- 6.) **EMRS –Spring meeting 2015, Lille, Franta, 11 - 15 mai 2015.**  
**Prezentare orală** - **Simpozion U** - C. Rizea, C. Micsa, M. Pascal, M.I. Rusu, N. D. Becherescu-Barbu, I.A. Birtoiu, C.E.A. Grigorescu - “*Minimally invasive spectroscopic technique to diagnostic and monitor canine extra genital transmissible venereal tumour*”.

**Prezentare orală - Simpozion X** - I.A. Birtoiu, M.I. Rusu, A. Vitalaru, D. Togoie, M. Pascal, N. D. Becherescu-Barbu, M. V. Udrea, C. Rizea, C.E.A. Grigorescu – “*Ex vivo investigation of mammary tumours by Micro-Raman spectroscopy in the visible range*”.