

PERSONAL INFORMATION

RADU LĂCĂTUȘ



Sex Male | Date of birth 24 September 1970 | Nationality Romanian

EDUCATION AND TRAINING

01 October 1991–15 July 1997

Bachelor of Veterinary Medicine

Faculty of Veterinary Medicine Cluj Napoca, Cluj-Napoca (Romania)

01 October 2000–01 October 2007

PhD in Veterinary Medicine

University of Agricultural Sciences and Veterinary Medicine-Faculty of Veterinary Medicine,
Cluj-Napoca (Romania)
Radiology and Radioprotection

WORK EXPERIENCE

December 1997–01 October 2003

Consultant Physician at the Department of Pathology and Surgical Clinic

Faculty of Veterinary Medicine Cluj-Napoca, Cluj Napoca (Romania)
Supporting practical work with students
Consultation and therapy in animals presented in the clinic

01 October 2003–01 October 2006

Assistant

Faculty of Veterinary Medicine - Department of Semiology, Ethology and Medical Imaging,
Department of Radiology and Radiation Safety, Cluj-Napoca (Romania)
Support for practical laboratory in radiology, semiology
Support for optional course in Radiology and Radiation Safety
Developing and supporting scientific articles,
Member in research grants.

01 October 2006–01. October 20016

Lecturer

Faculty of Veterinary Medicine - Department of Semiology, Ethology and Medical Imaging,
Department of Radiology and Radiation Safety, Cluj Napoca (Romania)
Conducting of license and dissertation work,
Support courses and practical works in Radiology and Radiation Safety.
Support of practical laboratory in semiology.
Developing and supporting scientific articles.
Responsible for research projects.

01.October 2016 - Present

Associate Professor

Faculty of Veterinary Medicine - Department of Semiology, Ethology and Medical Imaging,

Department of Radiology and Radiation Safety, Cluj Napoca (Romania)

Conducting of license and dissertation work,
Support courses and practical works in Radiology and Radiation Safety,
Support of practical laboratory in semiology.
Developing and supporting scientific articles.

Responsible for research projects.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	B2	B2	B2	B2
French Language certificate nr. 339/15.01.2014					

[Related document\(s\):](#)

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

ADDITIONAL INFORMATION

- Projects**
- 2004 - 2005 - Member in - Contract CNCSIS Tip AT - Cod 100 Tema: „Testarea compatibilității unor materiale sintetice și naturale ca heterogrefe ligamentare la câine“, 100 mil. lei.
 - 2004 - 2006 - Member in - Contract CNCSIS Tip A - cod. 738 „Investigații, cercetări și observații în metode moderne de osteosinteze” 150 mil.lei
 - 2007-2009 - Member in - PNCD II 106 CP-1/14.09.2007 Development of the research and expertise capacity of the legal veterinary medicine laboratory through technical and methodological modernization, laboratory accreditation- MELVET
 - 2007-2010 - Responsable Project - Program 4 partnerships in the priority domains ANGIOCART, Projectnr 41002An experimental model of detection of cutaneous perforating vessels and the establishment of an algorithm of clinical applicability in the surgery of cutaneous flaps. Buget 2.000.000 lei
 - 2007-2010 - Member in - CNCSIS Contract PN-II-Ideas CNCSIS 847 Code Subject: Non ionic contrast substance use in dog radiological diagnosis. Buget 900.000 lei
 - 2008-2011 - Member in - Program 4 partnerships in the priority domains SERTIR Projectnr. 32149Subject: Experimental and clinical studies on Radon in the counties in the center of Transylvania ad its impact on the morphophysiology of the respiratory apparatus in humans and animals. Buget:2.000.000 RON (32.000 RON - cofinantare)
 - 2017-2020 – Internal grant project – Project Director - The impact of radiology diagnostics in animal clinical research

Honours and awards

2010 - “Ion Adameșteanu” award of Academiei de Științe Agricole și Silvicultură, Veterinary Medicine Section for the book "Semiologie, Imagistica medicală și Laborator clinic veterinar", autori: Papuc. I. (coord.), R. Lăcătuș, F. Gh. Stan, Monica Covaciu Timen, R. C. Purdoiu, Ed. Accent, Cluj-Napoca, ISBN 978-973-8915-88-6, 2009

Specialization

1999 - Psychological and Pedagogical Module. Department of Teacher Training USAMV Cluj-Napoca

2003 - Course "Applications of Radioisotopes and Nuclear Radiation Sources" level 2, Radiodiagnostics specialization

2004 - Level II permit course CNCAN București.

2006 – Post-Universitaire course in Radiation Safety UMF Cluj-Napoca

2006 –Post-Universitaire course in Radiation Safety TEMCO Cluj-Napoca

2011 - Post-Universitaire course in Radiation Safety TEMCO Cluj-Napoca

2013 - Post-Universitaire course in Computer Tomography – UMF Cluj

Memberships

Member in General Association of Romanian Veterinarians

Member in College of Veterinarians in Romania

Member in World Veterinary Association (WVA)

Member in Federation of Veterinarians of Europe (FVE)

Member in Balkan and Black See Countries Veterinary Association (BaBSeVA)

Member in Imaging Diagnostic Veterinary Medical Association in Romania

Member in Society of Radiology and Medical Imaging

Founding Member of “Romanian Veterinary Society of Neurology, Neurosurgery and Behavioural Medicine”

Publications

The Use of Non-Ionic Contrast Agents in Radiodiagnosis in Dogs and Cats. 241 pages, author: Lăcătuș Radu, revised and expanded edition. Academicpres Publishing House, Cluj-Napoca, 2013, ISBN 978-973-744-302-1.

Radiology and Radiation Protection: Radiological Diagnosis in Musculoskeletal Disorders in Domestic Animals,” authors: Papuc I., Lăcătuș R., 287 pages, 2013, Academicpres Publishing House, Cluj-Napoca, ISBN 978-973-744-296-3.

Additional information

Published Articles

Articles published in ISI Thomson Reuters indexed journals with impact factor

Lăcătuș Radu, Robert Cristian Purdoi, Liviu Bogdan, Sidonia Bogdan, Ramona Jurcău, Ionel Papuc, 2013, Biochemical And Hematologic Changes Related To Administration Of Double Doses Of Non-Ionic Contrast Medium Iomeron 350 (Iomeprol) In Cats Journal of Food, Agriculture & Environment, Print ISSN:1459-0255 Online ISSN:1459-0263, FI 0.435

Lăcătuș Radu, Ardelean Filip, Matei Ileana, Purdoi Robert Cristian, Chiroiu Bogdan, Oroian Elvira, Papuc Ionel, Georgescu Alexandru, 2014, The Use of Doppler/Power Doppler Ultrasound and Angiography for the Evaluation of Cutaneous Perforators in the Thigh and Lumbar-Sacral Region in Pigs; Journal of Reconstructive Microsurgery; New York; ISSN: 0743-684X; DOI: 10.1055/s-0034- 1374017, S01 30 - A115, FI 1.006

Matei Ileana, Alexandru Georgescu, **Radu Lacatus**, Manolis Daskalakis, 2014, Thoracic Propeller Perforator Flaps for Covering Soft Tissue Defects, Journal of Reconstructive Microsurgery; New York; ISSN: 0743-684X; DOI: 10.1055/s-0034-1374004, S01 30 - A102, FI 1.006

Maximilian Vlad Muntean, Ștefan Ștrilciuc, Filip Ardelean, Cosmin Pestean, **Radu Lacatus**, Alexandru Florin Badea, Alexandru Georgescu, 2015, Using dynamic infrared thermography to optimize color Doppler ultrasound mapping of cutaneous perforators, Medical Ultrasonography, Vol. 17, no. 4, 503-508, Cluj Napoca, ISSN (print) 1844-4172, ISSN (on line) 2066-8643, FI 1.108

Aurel Damian, Melania I. Crisan, Cristian O.Martonos, Ioana Chirilean, Alexandru Gudea, Florin Stan, Ionel Papuc, **Radu Lacatus**, Rober C. Purdoi and Cristian C. Dezdrobitu, 2016, Radiological Techniques for Examining the Cardiovascular System in Swine, Proceedings of the 31st Conference of the European Association of Veterinary Anatomists, Vienna, Austria, July 27-30, pag 20, FI 0.615

Adela Cristina Lazar, **Radu Lacatus**, Robert Purdoi, Lucia Bel, Orsolya Sarpataki, Ionel Papuc, Mariana Pacurar, Radu Septimiu Campian, 2017, Implications of Creatinine and ALP in the Induction of Osteoporosis by Ovariectomy in Female Wistar Rats, REV.CHIM., Bucharest, Romania, ISSN: 0034-7752 Nr.68, Vol. 8, FI 1.232

Musteata, Mihai, Borce Denis Gabrieldd, Ștefanescu Raluca, Solcan Gheorghe, **Lacatus Radu**, 2018, Influence

of Stainless Needle Electrodes and Silver Disk Electrodes over the Interhemispheric Cerebral Coherence Value in Vigil Dogs, *SENSORS*, Basel, Elvetia, ISSN: 1424-8220, FI 2.475

Fodor Pal, Solyon Arpad, Fodor Raluca, Catoi Cornel, Tabaran Flaviu, **Lacatus Radu**, Trambitas Cristian, Bataga Tiberiu, 2018, Role of the Biomimetic Scaffolds in the Regeneration of Articular Tissue in Deep Osteochondral Defects in a Rabbit Model, *Revista de chimie*, Bucuresti, Romania, ISSN: 0034-7752, FI 1.412

Lazar Adela Cristina, **Lacatus Radu**, Pacurar Mariana, Campian Radu Septimiu, 2018, Studies Results Regarding Bisphosphonate Therapy in Dental Medicine, *Revista de chimie*, Bucuresti, Romania, ISSN: 0034-7752, FI 1.412

Fodor Pal, Fodor Raluca, Solyom Arpad, Catoi Cornel, Tabaran Flaviu, **Lacatus Radu**, Trambitas Cristian, Cordos Bogdan, Bataga Tiberiu, 2018, Autologous Matrix-Induced Chondrogenesis vs Microfracture with PRP for Chondral Lesions of the Knee in a Rabbit Model, *Revista de chimie*, Bucuresti, Romania, ISSN: 0034-7752, FI 1.412

Martonos Cristian, **Lacatus, Radu**, Cocan, Daniel, Stan, Florin, Damian Aurel, Stroe Teodor, Dezdrobitu Cristian, Gudea Alexandru, 2018, Anatomical and Imagistic Aspects of the Aortic Arch in *Chinchilla lanigera*, *Acta Scientiae Veterinariae*, Brazilia, ISSN: 1678-0345, FI 0.217

Musteață M., Mocanu D., Sindilar E., Mareș M., Moraru R.F., Păcurar R.N., Pavel G., Solcan G., Purdoiu R.C., **Lăcătuș R.**, 2019. Severe Case of Methicillin-resistant *Staphylococcus aureus* Discospondylitis in a Doberman. *Revista de Chimie*, Volume: 70, Issue: 5, Pages: 1856-1858, ISSN: 0034-7752, WOS:000470086400072 FI 1.412

Rodica Ungur, Roxana Buzatu, **Radu Lacatus**, Robert Cristian Purdoiu, Georgiana Petrut, Razvan Codea, Orsolya Sarpataky, Alexandra Biris, Cristian Popovici, Mircea Mircean, Delia Bunea Jivanescu, Cosmin Pestean, Liviu Oana, 2019. Evaluation of the Nephroprotective Effect of *Sambucus Nigra* Total Extract in a Rat Experimental Model of Gentamicine Nephrotoxicity, *Revista de chimie*, vol. 70, nr. 6, București FI 1.412

Morphology of the mammary gland in romanian buffalo, Mariana Tătaru, Florin Stan, Cristian Olimpiu Martonoș, Adrian Gal, Sorin Marian Mârza, Robert Cristian Purdoiu, **Radu Lăcătuș**, Aurel Damian, Cosmin Șonea, Vioara Mireșan, Ionel Papuc, *Anat Histol Embryol*, 2022, 00:1-9. FI 1,13

The Influence of Haematogenous Bone Marrow on the Early Osseointegration of a Titanium Implant which Penetrates the Endosteum, Cristian A Ratiu, Ioana A Ratiu, Viorel Miclaus, Mihai Pantor, Vasile Rus, Cristian O Martonos, **Radu Lacatus**, Robert C Purdoiu, Adrian F Gal, *Int. J. Morphol.* 2022, vol.40 no.1 Temuco FI 0.504

Seronegative Myasthenia Gravis with Concomitant SARS-CoV-2 Infection in a Dog, Mihai Musteata, Denis-Gabriel Borcea, Andreea Despa, Raluca Ștefănescu, Larisa Ivănescu, Luminet, Diana Hrit, Radu Andrei Baisan, **Radu Lăcătuș**, Gheorghe Solcan, *Vet. Sci.* 2022, 9, 318. FI 2.518

Musteata, M; Mocanu, D; Sindilar, E; Mares, M; Moraru, RF; Pacurar, RN; Pavel, G; Solcan, G; Purdoiu, RC; **Lăcătuș R.**, 2019. Severe Case of Methicillin-resistant *Staphylococcus aureus* Discospondylitis in a Doberman. *Revista de Chimie*, Volume: 70, Issue: 5, Pages: 1856-1858, ISSN: 0034-7752, FI 1.412

Rodica Ungur, Roxana Buzatu, Radu Lăcătuș, Robert Cristian Purdoiu, Georgiana Petrut, Razvan Codea, Orsolya Sarpataky, Alexandra Biris, Cristian Popovici, Mircea Mircean, Delia Bunea Jivanescu, Cosmin Pestean, Liviu Oana, 2019. Evaluation of the Nephroprotective Effect of *Sambucus Nigra* Total Extract in a Rat Experimental Model of Gentamicine Nephrotoxicity, *Revista de chimie*, vol. 70, nr. 6, București FI 1.412

Radu Lacatus, Cristian Paul Popovici, Elena Gavrilas, Razvan Codea, Laura Condor, Mariana Tataru, Ionel Papuc, Adela Cristina Lazar, Malina Popa, Robert Cristian Purdoiu, Mihai Musteata, 2019, Correlation of Intravenous Administration of Iodinated Nonionic Contrast Agents with Contrast-Induced Nephrotoxicity in Sedated Dogs, *Rev.Chim (Bucharest)*, 70 (12), 4229-4232; FI 1.605

Vasiu, I., Ober, C., Muresan, C, **Lacatus, R.**, Oana, L., Dabrowski, R., Pestean, C., 2020. Retrograde long bone intramedullary pinning in wing fractures of the common buzzard (*Buteo buteo*), *Medycyna Weterynaryjna-Veterinary Medicine-Science and Practice*, vol. 76 Issue: 10, pag. 597-601, FI 0.281

Martonos, C.O., Gudea, A., Damian, A., **Lacatus, R.**, Purdoiu, R., Cocan, D., Stan, F.G., 2020. Morphological and morphometrical aspects of the auditory ossicles in goat (*Capra hircus*), *Anatomia Histologia Embryologia*, Wiley, 111 River St, Hoboken 07030-5774, NJ USA, FI 0.696

Cristian Olimpiu Martonos, Alexandru Gudea, Aurel Damian, **Lăcătuș Radu**, Robert Purdoiu, Daniel Cocan, Florin Gheorghe Stan, 2022. Morphological and morphometrical aspects of the auditory ossicles in goat (*Capra hircus*), *Anat Histol Embryol*, 2021, vol. 50, nr. 1, pg. 184-191 FI 1.114

Mariana Domnica Stanciu, Mircea Mihalca, Florin Dinulica, Alina Maria Nanceuf, Robert Purdoiu, **Radu Lacatus**, Ghiorghe Vasile Gliga, 2022. X-ray Imaging and Computed Tomography for the Identification of Geometry and Construction Elements in the Structure of Old Violins, *Materials*, 2021, vol. 14, pg. 5926 FI 3.623

Mihai Musteata, Denis-Gabriel Borcea, Andreea Despa, Raluca Ștefănescu, Larisa Ivănescu, Luminet, Diana Hrit, Radu Andrei Baisan, **Radu Lăcătuș**, Gheorghe Solcan, 2022. Seronegative Myasthenia Gravis with Concomitant SARS-CoV-2 Infection in a Dog, *Vet. Sci.*, 9, 318 FI 2.518

Cristian A Ratiu, Ioana A Ratiu, Viorel Miclaus, Mihai Pantor, Vasile Rus, Cristian O Martonos, **Radu Lacatus**, Robert C Purdoiu, Adrian F Gal, 2022. The Influence of Haematogenous Bone Marrow on the

Early Osseointegration of a Titanium Implant which Penetrates the Endosteum, *Int. J. Morphol.*, vol.40 no.1 FI 0.504

Mariana Tătaru, Florin Stan, Cristian Olimpiu Martonoș, Adrian Gal, Sorin Marian Mărza, Robert Cristian Purdoiu, **Radu Lăcătuș**, Aurel Damian, Cosmin Șonea, Vioara Mireșan, Ionel Papuc, 2022. Morphology of the mammary gland in romanian buffalo, *Anat Histol Embryol*, 00:1–9 FI 1.130

Computed Tomography and Fluorescence Spectroscopy Blood Plasma Analysis Study for Kynurenic Acid as a Diagnostic Approach to Chronic Coenurosis in Sheep, Loredana Elena Olar, Vasile Daniel Tomoiagă, Sorin Marian Mărza, Ionel Papuc, Ioan Florin Beteg, Petru Cosmin Pes, Mihai Musteat, Caroline Maria Lăcătuș, Raluca Marica, Paula Maria Pas, Robert Cristian Purdoiu, **Radu Lăcătuș**, *Life* 2024, 14, 1121. FI 3.2

Case report: Double adjacent ventral slot in two medium-sized breed dogs, Razvan Grigore Cojocaru, Bogdan Sicoe, Cristina Gaspar, Alexandra Grigoreanu, Gabriel Orghici, Ioan Tibru, **Radu Lacatus**, *Front. Vet. Sci.* 11:1346816. FI 2.6

Spatial and Bioaccumulation of Heavy Metals in a Sheep-Based Food System: Implications for Human Health, Florin-Ioan Fechete, Maria Popescu, Sorin-Marian Mărza, Loredana-Elena Olar, Ionel Papuc, Florin-Ioan Beteg, Robert-Cristian Purdoiu, Andrei Răzvan Codea, Caroline-Maria Lăcătuș, Ileana-Rodica Matei, **Radu Lăcătuș**, Adela Hoble, Ioan Valentin Petrescu-Mag, Florin-Dumitru Bora, *Toxics* 2024, 12, 752. FI 3.9

Craniometric Measurements of the Flemish Giant Rabbit and the Dwarf Pet Rabbit Skull (*Oryctolagus Cuniculus Domesticus*) Masuratori Craniometrice La Iepurii Din Rasa Uriăș German (Flemish Giant) și la Iepurii din rasele pitice de companie (*Oryctolagus Cuniculus Domesticus*), Tamara Titanilla Kiss-Pruteanu, Lucia Bel, Cosmina Dejesu, R. Purdoiu, **R. Lacatus**, Mariana Tătaru, S.M. Mărza, Camelia Munteanu, Olivia Petrescu, I. Papuc, *Rev Rom Med Vet* (2024) 34 | 1: 51-58 FI 0.3

Behavioral, Physiological, and Pathological Approaches of Cortisol in Dogs. Mărza, S.M.; Munteanu, C.; Papuc, I.; **Radu, L.**; Diana, P.; Purdoiu, R.C, *Animals* 2024, 14, 3536. FI 2.7

Evaluating bloodwork profiles in sheep: insights into Coenurosis, D.V. Tomoioga, R.C. Purdoiu, Caroline Maria Lăcătuș, C. Irimescu, C. Creț, S.M. Mărza, Sonia Teodora Patrichi, Paula Pașca, I. Marcus, P.C. Peștean, I. Papuc, **R. Lăcătuș**, *Rev Rom Med Vet* (2025) 35 | 1: 163-167 FI 0.2

The Role of Probiotics in Enhancing Animal Health: Mechanisms, Benefits, and Applications in Livestock and Companion Animals, Sorin Marian Mărza, Camelia Munteanu, Ionel Papuc, **Lăcătuș Radu**, Robert Cristian Purdoiu, *Animals*, 2025, Volumul 15 Numărul 20, Pagini 2986 FI 2.7

Evaluation of Attenuation of Lumbar Epaxial Musculature in Dogs with Spinal Pathology, Robert Cristian Purdoiu, Ionuț Claudiu Voiculeț, Joana Alexandra Aldea, **Radu Lăcătuș**, Teodora Patrichi, Felix Daniel Lucaci, Tațjana Chan, Patrick Kircher, Sorin Marian Mărza, *Animals*, 2025, Volumul 15, Numărul 10 Pagini 1468 FI 2.7

Experimental design in stress management and canine patient well-being during the veterinary consultation, Melissa Tiara Geantă, Mariana Tătaru, S.M. Mărza, **R. Lăcătuș**, R.C. Purdoiu, Camelia Munteanu, I. Vlădescu, Loredana Elena Olar, I. Papuc, *Rev Rom Med Vet* (2025) 35 | 1: 40-46 FI 0.2

Spontaneous Unusual Backflow from Duodenum to Biliary System in a Dog with Pancreatic Abscesses: A Case Study, Robert Cristian Purdoiu, Sorin Marian Marza, **Radu Lacatus**, Lucia Bel, Lea Carisch, Patrick Kircher, *Animals* 2025, Volumul 15, Numărul 8, Pagini 1089 FI 2.7

Presumed Stroke in a Cat-A Case Report, Sorin Marian Mărza, **Radu Lăcătuș**, Felix Daniel Lucaci, Lucia Bel, Ștefania Dandea, Iulia Melega, Robert Cristian Purdoiu, *Veterinary Sciences*, 2025, Volumul 12, Numărul 4, Pagini 320 FI 2.3

Sentinel Equines in Anthropogenic Landscapes: Bioaccumulation of Heavy Metals and Hematological Biomarkers as Indicators of Environmental Contamination. Maria Popescu, Mirela Alexandra Tripon, Alexandru Florin Lupsan, Denisa Bungărdean, Cristian Mihăiță Crecan, Mihai Musteata, Paula Maria Pasca, Sorin Marian Mărza, Robert Cristian Purdoiu, Ionel Papuc, **Radu Lăcătuș**, Caroline Maria Lăcătuș, Luciana Cătălina Panait, Teodora Sonia Patrichi, Ileana-Rodica Matei, Cristian-Radu Sisea, Claudiu Ioan Bunea, Anamari, *Toxics* 2025, 13, 1064. FI 4.1

Articles indexed in ISI journals without an impact factor

Papuc I., **Lăcătuș R.**, Purdoiu R. C., Stan F., Damian A., Păvăloiu A., 2010, Myelography in the dog using Optiray 350 as contrast medium, *Anatomia Histologia Embryologia*, vol. 39, nr. 4, August

Tiberiu Cioban, Florica Silaghi, **Radu Lacatus**, Robert Cristian Purdoiu, Gabriela Beresescu, 2014, Assessing The Risk Associated To Hydrocarbons Pollution On A Site Located In The Morphohydrographic Basin Of The Mures River, *Globalization And Intercultural Dialogue: Multidisciplinary Perspectives - Psychology And Sociology*, Tirgu Mures, Romania, ISBN:978-606- 93691-3-5

Lăcătuș R., Condor L., Matei I., Ardelean F., Papuc I., Negrea V., Olariu O.D., Beteg F., Purdoiu R.C., 2018, Post-Surgery Radiographic Evaluation of Cruciate Ligament Rupture in English Bulldog – Case Study/Proceedings Of The International Conference On Life Sciences, Timisoara, Romania, ISBN 978-88-85813-24-3

Florin Beteg, Aurel Muste, Cosmin Muresan, **Radu Lacatus**, Robert Purdoiu, Nicodim Fit, Teodor Stroe, 2018, Neosurgical treatment, clinical finding and imagistic diagnosis of coenurosis cerebri in sheep, 30th World Buiatrics Congress Sapporo

Mariana Tătaru, I. Papuc, Livia Vidu, Camelia Răducu, F. Chirilă, S. Dan, M. S. Mârza, C.R. Purdoiu, **R. Lăcătuș**, Vioara Mireșan, 2019. Qualitative evaluation of raw milk of buffalo from the romanian murrh breed. *Rev Rom Med Vet* (2019) 29 | 3: 11-20.

The effect of dry saline aerosol therapy on arterial blood gas parameters in horses with mild equine asthma, Laura Condor, S.M. Mârza, Alina Ardelean, Mădălina Dragomir, I. Papuc, C. Martonos, R.C. Purdoiu, Mariana Tătaru, R. Codea, **R. Lăcătuș**, *Rev Rom Med Vet* 2022, 32 | 2

The effective anti-bacterial activity of some copper containing borate glasses, Loredana Elena Olar, Talida Maria Ivan, F. Chirilă, N. Fiț, **R. Lăcătuș**, R. Purdoiu, R. Ștefan, I. Papuc, *Rev Rom Med Vet* 2022, 32 | 1: 57-62

Non-invasive assessment of cortisol level and gastrointestinal parasitism in captive primates in romania, Aurélie Bastide D'izard, Adriana Györke, Viorica Mircean, Adela Pinte, Ildiko Halmagyi, **R. Lăcătuș**, Loredana Olar, S. M. Mârza, R.C. Purdoiu, Mariana Tătaru, Olivia Petrescu, I. Papuc, *Rev Rom Med Vet* (2022) 32 | 4: 47-52

Articles indexed in international databases (BDI)

Ultrasonographic evaluation of gastroduodenal pathology in dogs, Robert Cristian Purdoiu, Teodora Patrichi, Felix Daniel Lucaci, George Tudor, Radu Lăcătuș, Sorin Marian Mârza *Agricultura*, 2025, Volumul 134, Numărul 1-2, Pagini 66-77

Renal cyst in dogs – an imaging approach, Sorin Marian Mârza, Robert Cristian Purdoiu, **Radu Lăcătuș**, Felix Daniel Lucaci, Vol. 131 No. 3-4 (2024): *Agricultura*

Computed tomographic assessment of pulmonary nodule density and distribution in dogs, Robert Cristian Purdoiu, Teodora Patrichi, Felix Daniel Lucaci, George Tudor, **Radu Lăcătuș**, Sorin Marian Mârza *Agricultura*, 2025, Volumul 134, Numărul 1-2, Pagini 86-97

Computed tomography for detection of canine thoracic diseases – a 30-case clinical study; Robert Cristian Purdoiu, Teodora Patrichi, Felix Daniel Lucaci, George Tudor, **Radu Lăcătuș**, Sorin Marian Mârza *Agricultura*, no. 135/2025

Advances in thoracic ct imaging in dogs – technique, diagnostic applications, and comparative modalities; Robert Cristian Purdoiu, Teodora Patrichi, Felix Daniel Lucaci, George Tudor, **Radu Lăcătuș**, Sorin Marian Mârza, *Agricultura*, no. 135/2025

Contamination Characterization of a congenital pelvic limb process in a neonatal calf using computed tomography: A case study., Nicolae Precupescu, Felix-Daniel Lucaci, Codrin Irimescu, Teodora-Sonia Patrichi, Cristian-Marian Pavel, Robert-Cristian Purdoiu, Petru-Cosmin Peștean, Sorin-Marian Mârza, Ionel Papuc, Florin Beteg, Mariana Tătaru, Raluca Marica, **Radu Lăcătuș**, 2025, Publishing House “Ion Ionescu de la Brad”, Iași

Assessment of subcalvarial hounsfield units for detecting age-related cerebral atrophy in dogs, Teodora-Sonia Patrichi, Eduard Vălean, Robert-Cristian Purdoiu, Sorin-Marian Mârza, Ionel Papuc, Florin Beteg, Petru-Cosmin Peștean, Andrei-Răzvan Codea, Felix-Daniel Lucaci, Codrin Irimescu, **Radu Lăcătuș**, 2025, Publishing „Ion Ionescu de la Brad”, Iași

The effect of mining-derived tailings on soil physicochemical properties and ecological recovery potential in northwestern Romania, Maria Popescu, **Radu Lăcătuș**, Mirela A. Tripon, Cristian M. Crecan, Alexandru F. Lupșan, Zsofia Daradics, Denisa Bungărdean, Robert C. Purdoiu, Mariana Tătaru, Ileana R. Matei, Sonia T. Patrichi, Sorin M. Mârza, Maria P. Pașca, Caroline M. Lăcătuș, Luciana C. Panait, Florin-Dumitru Bora, *AAB Bioflux*, 2025, Volume 17, Issue 1.

Hydrogeochemical assessment of post-mining waters in northwestern Romania: Physico chemical dynamics, redox interactions, and environmental implications, Maria Popescu, **Radu Lăcătuș**, Mirela A. Tripon, Cristian M. Crecan, Alexandru F. Lupșan, Zsofia Daradics, Denisa Bungărdean, Robert C. Purdoiu, Mariana Tătaru, Ileana R. Matei, Sonia T. Patrichi, Sorin M. Mârza, Maria P. Pașca, Caroline M. Lăcătuș, Luciana C. Panait, Florin-Dumitru, Bora *AES Bioflux*, 2025, Volume 17, Issue 1.

Radiologic artifacts: recognition, minimisation, and clinical implications, Sorin Marian Mârza, **Radu Lăcătuș**, Felix Daniel Lucaci, Robert Cristian Purdoiu, Vol. 131 No. 3-4 (2024): *Agricultura*

Meningiomas in dogs: epidemiology, advancements in diagnostic imaging and therapeutic options, Sorin Marian Mârza, **Radu Lăcătuș**, Felix Daniel Lucaci, Robert Cristian Purdoiu Vol. 131 No. 3-4 (2024): *Agricultura*

Rhinitis: a short review, Sorin Marian Mârza, **Radu Lăcătuș**, Felix Daniel Lucaci, Robert Cristian Purdoiu Vol. 131 No. 3-4 (2024): *Agricultura*

Comparative measurements of cerebral ventricles on CT scan images in young and geriatric bichon dogs, Teodora Sonia Patrichi, Robert Cristian Purdoiu, Sorin Marian Marza, Caroline Maria Lacatus, Ovidiu Iliuta Marcus, Codrin Irimescu, Cosmin Petru Peștean, Andrei Razvan Codea, **Radu Lacatus**, 2025, Publishing House “Ion Ionescu de la Brad”, Iași

Evaluating coenurosis in sheep using ct scans: hounsfield unit analysis of parasitic cysts and tissue damage Daniel Vasile Tomoioga, Robert Cristian Purdoiu, Ovidiu Iliuta Marcus, Felix Lucaci, Nicușor Oros, Caroline Maria Lacatus, Sorin Marian Marza, Codrin Irimescu, Loredana Elena Olar, Florin Beteg, **Radu Lacatus**, 2025, Publishing „Ion Ionescu de la Brad”, Iași

- Microbiology of Dental Disease in Pet Rabbits, Tamara Titanilla Kiss-Pruteanu, Lucia Bel, Cosmina Dejesu, **R. Lacatus**, Mariana Tătaru, S.M. Mărza, I. Papuc, Cluj Vet J 2024, 29, 2
- Clinical and radiologic diagnosis in dental disease in pet rabbits Tamara Titanilla Kiss-Pruteanu, Lucia Bel, Cosmina Dejesu, **R. Lăcătuș**, R.C. Purdoiu, Mariana Tătaru, S.M.Mărza , I. Papuc, Cluj Vet J 2024, 29, 2
- Sheep's wool as a bioindicator of heavy metal pollution: Assessing environmental contamination near former mining sites in Romania, Florin I. Fechete, Maria Popescu, Maria C. Lăcătuș, **Radu Lăcătuș**, Mariana Tataru, Rodica I. Matei, Marian S. Mărza, Andrei R. Codea, Iliuță O. Mărcuș, Florin D. Bora, AES Bioflux, 2024, Volume 16, Issue 1
- Beyond the mine: Sheep wool as a proxy for heavy metal pollution in post-mining landscapes, Florin I. Fechete, Maria Popescu, Maria C. Lăcătuș, **Radu Lăcătuș**, Mariana Tataru, Ionel Papuc, Paula M. Pașca, Loredana E. Olar, Robert C. Purdoiu, Florin I. Beteg, Florin. D., Bora AES Bioflux, 2024, Volume 16, Issue 1.
- Claudiu Ionut Voiculeț, Cristian-Ioan Văleanu, Felix Daniel Lucaci, Anamaria Costin, Robert Emilian Timofte, Caroline-Maria Lăcătuș, Sorin-Marian Mărza, Robert Cristian Purdoiu, **Radu Lăcătuș**, 2023. Effects of lumbar intervertebral disc herniation on adjacent musculature on computed tomography (CT) examination, Scientific Papers – vol. 66 no 4, series Veterinary Medicine.
- Teodora-Sonia Patrichi, Felix-Daniel Lucaci, Anamaria Costin, Caroline-Maria Lăcătuș, Sorin-Marian Mărza, Robert Cristian Purdoiu, Mihai Musteață, **Radu Lăcătuș**, 2023. Goniometric measurements of the femoral joint in dogs with hip dysplasia Scientific Papers Journal – vol. 66 no 4, Veterinary Series.
- Sorin Marian Mărza, Agnes Nagy, Mariana Tătaru, Robert Cristian Purdoiu, **Radu Lăcătuș**, Vlad Emil Luca, Ionel Papuc, 2022. The examination of the canine eye with optical coherence tomography Agricultura, no. 3- 4 (123-124)
- Sorin Marian Mărza, Silvana Popescu, Mariana Tătaru, **Radu Lăcătuș**, Robert Cristian Purdoiu, Vlad Emil Luca, Ionel Papuc, 2022. Effect of alkaline water with a ph of 8.5 on weight and main blood indicators in rats, Agricultura, no. 3- 4 (123-124)
- Sorin Marian Mărza; Orsolya Kasa; Mariana Tătaru; **Radu Lăcătuș**; Felix Daniel Lucaci, Ionel Papuc, 2022. Study on aggression in dogs in a public shelter Cluj Vet J, 27, 3
- Olar L.E., Purdoiu R.C., Codea R.A., Tomoiagă V.D., Lăcătuș C.M., Mărza S.M., **Lăcătuș R.**, 2022. Hematological and biochemical profile in goats from alba county during the post-partum period, Lucrări Științifice Medicină Veterinară Vol. LV(2), Timișoara
- Felix Daniel Lucaci, **Radu Lăcătuș**, Robert Cristian Purdoiu, Dana Liana Pusta 2021. Study on canine hip dysplasia and its diagnosis by imaging and molecular genetics techniques, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Veterinary Medicine, vol. 78, nr. 1
- Lucaci F.D., Dragomir M.F., Costin A., Ardelean A.I., Purdoiu R.C., Codea R.A., Condor L., **Lăcătuș R.**, 2021. The effect of cranial cruciate ligaments rupture on the radiological measurement of the tibial plateau angle in small dog breeds, Lucrări Științifice Medicină Veterinară, Vol. Liv(4), 2021, Timișoara
- Robert Cristian Purdoiu, Cristian Paul Popovici, Razvan Codea, Madalina Dragomir, Caroline Lacatus, Laura Condor, Mihai Musteata, Sorin Marian Marza, Nicolae Coldea, **Radu Lacatus**, 2021. Doxazosin Effect on Neurogenic Bladder with Urine Retention in Female Dogs, Cluj Veterinary Journal, vol. 26, nr., pg. 15-20
- Radu Lăcătuș**, Robert Cristian Purdoiu, Fodor PAL, Florin Beteg, Laura Condor, Elena Gavrițaș, Mihai Musteață, 2019. Computed Tomographic Assessment Of Biomimetic Scaffold Used In Osteochondral Defects Regeneration In A Rabbit Model, AdvNanoBioM&D: 3(2):316-320. ISSN: 2559-1118
- Radu Lăcătuș**, Iulian Moldovan, Ileana Matei, Filip Ardelean, Cosmin Peștean, Sorin Mărza, Laura Condor, Robert Cristian Purdoiu, 2018, Identification of dorsal cutaneous perforator vessels using angio CT technique, Lucrări Științifice, Vol. 61, Medicină Veterinară, Partea 2, Iasi, Romania, ISSN 1454 – 7406
- Radu Lăcătuș**, Octavian Duță, Raul Alexandru Pop, Sorin Mărza, Laura Condor, Robert Cristian Purdoiu, 2018, Hysterosalphngography In Female Dogs, Lucrări Științifice, Vol. 61, Medicină Veterinară, Partea 2, Iasi, Romania, ISSN 1454 – 7406
- Radu Lăcătuș**, Laura Condor, Ana Alina Cristina Vinca, Ionel Papuc, Robert Cristian Purdoiu, 2017, Radiographic Examination of the Lungs and Thorax Cavity in Equine, Bulletin UASVM Veterinary Medicine, Cluj Napoca, Romania, Print ISSN 1843-5270; Electronic ISSN 1843-5378, 74(2)
- Radu Lăcătuș**, Robert Cristian Purdoiu, 2017, Contrast substance radiography of the digestive tract in goats, Lucrări Științifice Vol. 60, Medicină Veterinară Partea A 2-a, Iasi, Romania, ISSN 2393 – 4603 ISSN–L 1454 – 7406
- Radu Lăcătuș**, F. Ardelean, I. Papuc, M. Musteață, R.C. Purdoiu, 2017, Computer tomography and radiographic technique in evaluation of the spine in dogs, Lucrari Stiintifice-Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara, Timisoara, Romania, ISSN 1221-5295
- Radu Lăcătuș**, Ileana Matei, I. Papuc, C. Popovici, C. Ober, R.C. Purdoiu, 2017, Relevance of computed tomography examination in elbow dysplasia in dog, Lucrari Stiintifice - Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara, Timisoara, Romania, ISSN 1221-5295
- Radu Lăcătuș**, Cosmin Peștean, Nele Ondreka, Robert Cristian Purdoiu, 2017, Computed Tomography evaluation of occipital bone tumor in a Doberman – Case study, Lucrări Științifice Vol. 60 Medicină Veterinară Partea a 2-a, Iasi, Romania, ISSN 2393 – 4603 ISSN–L 1454 – 7406
- Radu Lăcătuș**, Valentin Ignat , Iuliu Scurtu, Cosmin Peștean, Ileana Matei , Filip Ardelean, Ionel Papuc, Robert

Cristian Purdoi, 2016, Identification of abdominal cutaneous perforator artery in pig using the angio-CT technique, *Lucrari Stiintifice Medicina Veterinara Iasi*, vol 59(4): 373-375, 2016, ISSN 2393 – 4603, ISSN-L 1454 – 7406

Radu Lăcătuș, R.C. Purdoi, Ileana Matei, F. Ardelean, D. Dohotariu, I. Papuc, 2016, CT- Angiography of The Thorax And Abdomen In Cat, *Lucrări Științifice Medicină Veterinară VOL. XLIX(4):64-69*, ISSN: 1221-5295, Timișoara

Radu Lăcătuș, RC Purdoi, A Orășan, F Ardelean, I Matei, I Papuc, 2016, Contrast CT examination for assessment of intestinal bleeding in polytraumatized cat–case report, *Bulletin of University of Agricultural Sciences and Veterinary Medicine*, vol. 73, nr. 1, pg. 182-186, Cluj-Napoca, Romania, Print ISSN 1843-5270; Electronic ISSN 1843-5378

Radu Lăcătuș, RC Purdoi, A Orășan, F Ardelean, I Matei, I Papuc, 2016, Contrast CT examination for assessment of intestinal bleeding in polytraumatized cat–case report, *Bulletin of University of Agricultural Sciences and Veterinary Medicine*, vol. 73, nr. 1, pg. 182-186, Cluj-Napoca, Romania, Print ISSN 1843-5270; Electronic ISSN 1843-5378

Radu Lăcătuș, RC Purdoi, A Filip, I Matei, M Muntean, I Papuc, 2016, Comparative study of non- ionic contrast agents Optiray 350 and Ultravist 370 in myelography in dogs, *Bulletin of University of Agricultural Sciences and Veterinary Medicine*, vol. 73, nr. 2, pg. 243-247, Cluj –Napoca, Romania, Print ISSN 1843-5270; Electronic ISSN 1843-5378

Radu Lăcătuș, Robert Cristian Purdoi, Ionel Papuc, Ileana Matei, 2015, Research Regarding The Influence Of Non-Ionic Contrast Mediums Ultravist 300 And Ultravist 370 On Blood And Urine In Cats, *Clujul Medical*, Vol 88, Supl. 2, Cluj Napoca, Romania, p-ISSN 1222-2119, e-ISSN 2066-8872

Radu Lăcătuș, Purdoi Robert Cristian, Cedrechi Petru, Matei Ileana, Ardelean Filip, Papuc Ionel, 2015, CT-Angiography Of The Hind Limbs In Cat - Arterial Time, *Lucrări Științifice USAMV Iași*, VOL. 58, seria *Medicină Veterinară Partea 2*, Iasi, Romania, ISSN: 1454-7406

Radu Lăcătuș, Ardelean Filip, Matei Ileana, Purdoi Robert Cristian, Chiroiu Bogdan, Oroian Elvira, Papuc Ionel, Georgescu Alexandru, The Use of Doppler/Power Doppler Ultrasound and Angiography for the Evaluation of Cutaneous Perforators in the Thigh and Lumbar-Sacral Region in Pigs, 2014, *Journal of Reconstructive Microsurgery*; New York; ISSN: 0743-684X; DOI: 10.1055/s-0034-1374017, S01 30 - A115

Radu Lăcătuș, Robert Cristian Purdoi, Ioan Sălăgean, Ionel Papuc, 2013, The Use Of Iomeron 350 In Cat Urography, *Lucrări Științifice Medicină Veterinară Iași*, Iași, România, ISSN 1454-7406, 2013, Indexat: Cab Abstract, Index Copernicus Database

Radu Lăcătuș, Robert Cristian Purdoi, Horațiu Tule, Ionel Papuc, 2013, Arthrography In Cats With Nonionic Contrast Agent Ultravist 300, *Scientific-Works.Series-C.Veterinary-Medicine*, București, Romania, ISSN 2065-1295, ISSN Online 2067-3663, Indexare BDI: Index Copernicus, CABI, Ulrich's Periodicals Directory (ProQuest)

Radu Lăcătuș, Ionel Papuc, Robert Cristian Purdoi, Alexandra Nicoleta Păvăloiu, 2011, Research Regarding the High Doses of Non-Ionic Contrast Substances in Cat Urography, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Veterinary Medicine*, Volume 68, Issue 1, Print ISSN 1843-5270 Electronic ISSN 1843-5378, 129-13

Radu Lăcătuș, Papuc, I., Muste, A., Puic, D.S., Purdoi, R. C., Alexandra Nicoleta Păvăloiu, 2010, Dental radiographic examination in dogs, *Cluj Veterinary Journal*, 17(1), pp. 39-45

Radu Lăcătuș, Papuc I., Muste A., Purdoi R., C., Păvăloiu Alexandra Nicoleta, Borbil, S., 2010, Artrografia cu substanțe de contrast nonionice (Optiray 300), la câine, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Veterinary Medicine* 67(2)/2010, ISSN 1843-5270, Electronic ISSN 1843-5378, 131-136

Radu Lăcătuș, I. Papuc , R.C. Purdoi, 2009, Biochemical blood changes through non-ionizing contrast substances (OPTIRAY) in the urography of the dog *Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, Facultatea de Medicină Veterinară, Lucrări științifice Medicină Veterinară Vol. XLII (2)*, Imprimeria Mirton Timișoara, pg. 135-141

Radu Lăcătuș; Ionel Papuc; Purdoi Robert Cristian, 2008, The urine test after the intravenous administration of the nonionic radiologic contrast substances Optiray 350 to the cat, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca*, volume 65 (1), p. 169-173

Radu Lăcătuș, 2008, Examenul radiologic al dinții la cabaline, *Universitatea de Științe Agricole și Medicină Veterinară "Ion Ionescu de la Brad" Iași - Lucrări științifice medicină veterinară Partea I*, vol. 51 (10), p. 435-440

Radu Lăcătuș, I. Papuc, Ana Monica Timen, R. Purdoi, 2007, Mielografia cervicală cu substanțe de contrast nonionice la pisică, *Buletin USAMV-CN*, 64/2007 (-) ISSN1454-2382

Radu Lăcătuș, I. Papuc, A. Muste, A. Oros, V. I. Nueleanu, F. Stan, 2004, Urografia cu substanțe de contrast non-ionice la câine. Non-ionic contrast urography on dogs (Ultravist 370), *Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, Simpozionul internațional Actualități în patologia și creșterea animalelor domestice*, Buletin USAMV-CN, Vol. 61, ISSN 1454-2382, p. 88

Radu Lăcătuș, I. Papuc, F. Beteg, A. Oros, I. V. Nueleanu, 2004, Urografia la pisică cu substanțe de contrast nonionice (Ultravist 300). Non-ionic contrast urography on cats (Ultravist 300), *Universitatea de Științe Agricole și Medicină Veterinară a Banatului Timișoara, Facultatea de Medicină Veterinară, Lucrări Științifice Medicină Veterinară*, Vol. XXXVII, p. 551