

CURRICULUM VITAE 2017

NAME: Dr. Suzana Tkalcic, DVM, PhD
Veterinary Pathologist

PRESENT POSITIONS: Associate Professor, Veterinary Pathologist
College of Veterinary Medicine
Western University of Health Sciences
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EDUCATION:

1. University of Zagreb, Faculty of Veterinary Medicine; Zagreb, Republic of Croatia, 1987-1995. Doctor of Veterinary Medicine
2. University of Georgia, Athens, Georgia, USA; 1996-2001. Doctor of Philosophy Degree in Veterinary Pathology. Dissertation title: "Enterohemorrhagic *E. coli* in Calves: Characterization and effect of diet"
3. University of Georgia, Athens, Georgia, USA; 2001-2003. Residency in Veterinary Pathology, Department of Veterinary Pathology and Athens Diagnostic Laboratory.

Continuing education:

University of Georgia

- New tools and techniques in immunohistochemistry and molecular pathology, DAKO Corp. workshop (November 1997, Atlanta, GA)
- 2nd International Virtual Conference in Veterinary medicine: Diseases of Exotic Animals and Wildlife, UGA, Athens, GA (Nov 1999)
- 3rd International Virtual Conference in Veterinary medicine: Diseases of Amphibians and Reptiles, UGA, Athens, GA (Nov 2000)
- North Carolina State University: Laboratory animal medicine (May 2002);
- Armed Forces Institute of Pathology Conferences (Gross morbid anatomy, Descriptive pathology course, April and June 2002);
- Diagnostic training for Foreign animal diseases and surveillance for agricultural bioterrorism (August 2002, UGA)
- Toxicologic pathology seminar by EPL, Inc. , UGA (April 23-24, 2003);

Western University of Health Sciences

- California Environmental Health Association, Introduction to Bioterrorism training for environmental health professionals (August 2003)
- Reproductive Pathology Symposium, CL Davis Foundation, San Diego, CA (Oct. 10, 2003)
- Primate Pathology Workshop, Seattle, WA (October 22, 2003)
- 21st Annual CL Davis DVM Foundation West Coast Subdivision Meeting (Pathology) , Pacific Grove, CA, May 2004
- Annual Conference of the American Association of Zoo and Wildlife Veterinarians, San Diego, CA 2004
- 22st Annual CL Davis DVM Foundation West Coast Subdivision Meeting (Pathology) , Pacific Grove, CA, May 2005
- Annual Meeting American College of Veterinary Pathologists, Boston, MA 2005
- International Association of Aquatic Animal Medicine (Marine Mammal Medicine and Pathology), Annual Meeting, Nassau, Bahamas, 2006
- US Department of Homeland Security: "Foreign animal diseases for Veterinary Pathologists", Plum Island, LI, 2004
- UASI "Train the trainer" Weapons of Mass Destruction, Awareness Level (160-1), US Department of Homeland Security, Los Alamitos, CA, 2005

- Western States Veterinary Conference, Reno, NV, 2006
- US Department of Homeland Security, Governor's office of Emergency Services and Academy of Counter-Terrorist Education, LSU: Preparedness and response to Agricultural Terrorism; Train-the-Trainer (MGT 322-1), 2006
- Annual Meeting American College of Veterinary Pathologists (ACVP), Tucson, AZ 2006
- CAPE workshop (WU): Test item writing (2006); Facilitating higher order thinking in student learning (2006); Managing Difficult Situations (2007); Academic Boot Camp ABC4 (2007)
- Shark Reef Aquarium Aquatic Medicine Seminar (2008)
- Annual ACVP meetings 2007-2010
- International Association for Aquatic Animal Medicine Annual Meetings 2007-2010, 2012
- Zoobiquity , UCLA 2012
- GRIPE (Group for Research in Pathology Education), San Diego, CA Jan 28-30. 2016.

HONORS AND AWARDS:

1. **Chancellor's (President's) award** of the University of Zagreb ("Rektorova nagrada") for the best student research project in veterinary medicine: "A survey of survival young feral pigeons (*Columbia livia domestica*) in the city of Zagreb". 1991.
2. **Chancellor's award** of the University of Zagreb for the best student research project in veterinary medicine: "Topographic and functional relationship of the muscles of the shoulder and elbow joint in a mountain lion (*Puma concolor*)" 1992.
3. **Chancellor's award** of the University of Zagreb for the best student research project in veterinary medicine: " Breeding of the Pheasant game in captivity - successes and failures of one production program". 1993.
4. **Chancellor's award** of the University of Zagreb for the best student research project in veterinary medicine: " Measurements of the antlers and frontal bone of the Roe deer (*Capreolus capreolus*) and their breeding significance". 1994.
5. **Phi Zeta** Honorary Society, member University of Georgia and Western University of Health Sciences, 2001- present
6. **Ljudevit Jurak Award** for Comparative Pathology. Academy of Medical Sciences of Croatia, 22nd "Ljudevit Jurak" International Symposium on Comparative Pathology. Zagreb June 4, 2011. (Established in 1998 with intention to encourage worldwide research on comparison between animal and human diseases in memory of prof. dr. Jurak's contribution to the medical, forensic and veterinary sciences and to his medical ethics. Dr. Ljudevit Jurak graduated in 1910. from the University of Innsbruck, and has established Departments of Veterinary and Human Pathology, and Forensic Medicine at the University of Zagreb, Croatia. As a part of the International forensic team at the end of the WWII he investigated Katyn forest and Vinnytsia massacre by Soviet army. He was executed by the Yugoslav government for not willing to change his reports.)
7. **Croatian Women of Influence Award 2017** for Science and Technology by Croatian Women's Network, Zagreb, Croatia, March 08, 2017.

PROFESSIONAL POSITIONS:

1. **Graduate Assistant**, Master of Science in Experimental Veterinary Pathology, Project: In situ hybridization for Detection of Chicken Anemia Virus in peripheral blood smears; Poultry Diagnostic and Research Center, Department of Avian Medicine, College of Veterinary Medicine, University of Georgia, Athens, GA 1996
2. **Graduate Assistant**, PhD program in Veterinary Pathology. Project: Effects of diet on rumen

- proliferation and fecal shedding of E. coli O157:H7 in calves. 1997- 2001.
3. **Visiting Scientist**, Alaska Sealife Center, Seward, AK, July 2000.
 4. **Pathology Resident**, University of Georgia, College of Veterinary Medicine, Department of Veterinary Pathology and Athens Diagnostic Laboratory, 2001-2002.
 5. **Clinical instructor**, University of Georgia, College of Veterinary Medicine, Department of Veterinary Pathology, Athens, GA, January-June 2003
 6. **Assistant Professor**, Veterinary Pathology; College of Veterinary Medicine, Western University of Health Sciences, Pomona, CA. July 2003 – 2012
 7. **Associate Professor**, Veterinary Pathology; College of Veterinary Medicine, Western University of Health Sciences, Pomona, CA. July 2012 – present
 8. **Ajdunct Faculty**: Cal Poly Pomona, College of Agriculture, 2009-2011
 9. **Adjunct Faculty: University of Zadar, Department of Ecology, Agriculture and Aquaculture, Croatia** (Sveuciliste u Zadru, Odjel za ekologiju, agrikulturu i akvakulturu), 2011-present
 10. **Adjunct faculty: San Diego State University, School of Public Health, College of Health and Human Services, 2014 (sabbatical)**
 11. **Corresponding member: Croatian Academy of Medical Sciences. 2016-**

VETERINARY LICENSURE: Faculty license, UGA 1999-2002

BOARD CERTIFICATION: Board eligible, American College of Veterinary Pathologists

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

1. Alma Mater Academiae Croaticae (AMAC/AMCA), 2005-present
2. American Association of Veterinary Laboratory Diagnosticians, 2001-2004
3. American Endurance Ride Conference, member and veterinary judge; Southeast Conference, 2001-2004
4. American Society of Microbiology (ASM), 1998-2000
5. American Association of Wildlife Veterinarians, 2001-2006
6. California Veterinary Medical Association, 2003-present
7. California Environmental Health Association, 2003-2005
8. CL Davis DVM Foundation, 2001-present
9. Croatian Academy of America 2005-present
10. International Association of Milk, Food and Environmental Sanitarians (IAMFS), 1998-2001
11. International Association of Medical Science Educators (IAMSE), 2006-2009
12. Association of Medical Educators in Europe (AMEE) 2007-2009
13. International Association of Aquatic Animal Medicine, 2005-present
14. Medical Advisory Board: Los Angeles Zoo, 2005 – present
15. Marine (support to Marine Mammal Care Center at Fort MacArthur) 2008-present
16. American Cetacean Society , 2010-present
17. Group for Research in Pathology Education (GRPE), 2016
18. Croatian Academy of Medical Sciences, corresponding member (since May 2016.)

PROFESSIONAL, GRADUATE & UNDERGRADUATE TEACHING: (chronological, oldest first)

1. **Teaching Assistant**, Department of Anatomy, Histology, and Embriology, Veterinary Faculty, University of Zagreb, Croatia. 1991-1994
2. **Teaching Assistant**, General Pathology, professional students, Department of Veterinary Pathology, UGA. 1998
3. **Teaching Assistant**, "A short course in Immunohistochemistry and *in-situ* hybridization", Department of Veterinary Pathology, UGA. 2001
4. **Senior Pathology Resident/Clinical Instructor**, Department of Veterinary Pathology, College of Veterinary Medicine, University of Georgia. 2003
5. **Facilitator for Problem Based Learning Curriculum**, College of Veterinary Medicine, WU, Pomona, CA 2003-present
6. **Content Expert for Veterinary Pathology and Histopathology**, College of Veterinary

- Medicine, WU, Pomona, CA 2003-present
7. **Discipline Coordinator, Veterinary Pathology.** CVM, WU, Pomona, CA. 2005
 8. **Content expert in histology,** CVM, WU Pomona, CA 2003-2005
 9. **Course Moderator for Molecular and Cell Biology: microbiology and mycology,** CVM, WU, Pomona, CA. 2003-2004
 10. **Director for Zoo animal and Wildlife Medicine CVM 7050,** CVM, WU, Pomona, CA. 2005-2007
 11. **Module Leader,** Gastrointestinal tract. CVM, WU, Pomona, CA. 2006-present
 12. **Co-director for Phase III (4th year clinical rotations) CVM 7531** Anatomic Pathology Rotation and **CVM 7532** Ancillary Diagnostics in Medicine and Pathology Rotation (4 credits each)
 13. **Clinical Pathology Expert contributor. Small Animal Mixed Practice Clinical Rotation-Phase II CVM 7011,** 2008-2009
 14. **Rotation administrator (4th year clinical rotations): monthly evaluations for 5 and 9 students throughout the year,** CVM, WU, Pomona, CA, 2009-present
 15. **Facilitator, Interprofessional education,** WU, Pomona, CA, 2009-present

COMMITTEE MEMBERSHIPS:

College of Veterinary Medicine (CVM), Western University (since 2004):
Faculty Search Committee (2004- 2007, 2016-2017)
Safety Committee (CVM) (2004- 2009, 2015-)
Faculty Affairs Committee (2009-2014)
WAVE Committee (2004- 2007)
Admissions Committee (2015-
Public Health and Safety (2014-
Center for Global and Community Health (2008-2013, founding representative for CVM)
Reverence for Life Committee 2017-2019
Regional Teaching Academy member (2014-

Advisory Committee: Member of the International Advisory Committee for University of Zagreb, School of Medicine, Medical Studies in English (per invitation only). Started in June 2011-

STUDENT MENTORSHIPS (WU):

Faculty mentor for 21 students (total)
Faculty advisor/ co-advisor for:
International Veterinary Student Association (IVSA)
Zoo, Wildlife, Exotic and Aquatic Animal Club, SEAL TEAM, ZWEAC (SC-WAVMA), Student Chapter of the American College of Veterinary Pathologists
Participant in Research Club activities, 2006
Biosafety advisor for the WU Exotic Pet Fair 2004 and 2005

Mentor for the student project nominated for the Secretary's award and Hills award 2005: "Project P3: Pawz your Puffs for Pets"

Mentor for the 3 student summer research grant submissions, **2005:**

Vanessa Fravel: "Occurrence and Mortality Impact of *Uncinaria spp.* In California Sea Lion (*Zalopus Californianus*) in the L.A. Basin".

Gael Lamielle: "Respiratory Nematodes (*Otostrongylus circumlitus*) in Southern California Pinnipeds."

Eden Heywood and Hiroko Hata: "Detection and Occurrence of West Nile Virus in the Pinnipeds of Southern California"

Mentor for the 2 student summer research grant submissions, **2007:**

Brendon Boren:“ Morphologic characteristics of the lumbar and sacral plexus in pinnipeds”.

Marlene Anschutz:“Common parasites of Southern California Pinnipeds”

Mentor for the student summer research program, **2008:**

Jennifer Boardman: “Morphometric study of gastrointestinal nematodes of California Sea Lions (*Zalophus californianus*)”

Mentor for the student summer research program, **2015:**

Daniel Gutman: “Volcanic gastric ulcers in California Sea Lions (*Zalophus californianus*)” . Presented on Aug 4, 2015 at STARS symposium

Mentor for the student summer research program, **2016:**

David Abolnik: “Prevalence of Nasal Mite Infestation in California Sea Lions”

Rogelio Pena: “Bioaccumulation of HOC’s in Blubber of California Sea Lions”

Both presented at STRS symposium at WU July 26, 2016.

Mentor for the student summer research program, **2017:**

Sasha Baybordy: Histopathology of brain lesions in Southern California Pinnipeds

Mentor for 2 foreign exchange student collaborators at WesternU **2009**, July28-August18:

Ana Petak, Mirela Pavic; 4yr. students Faculty of Veterinary Medicine, University of Zagreb, Croatia. Participated in the morphometry and data collection of respiratory nematodes in California Sea Lions.

Mentor/advisor for a PhD student:

Gabriella Flacke, DVM. Graduate student, PhD acandidate at the University of Perth, Australia. 2013-2016.

Student advisor for 21 CVM students total.

MEETINGS ORGANIZED/CO-ORGANIZED

International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009. Scientific committee member, co-organizer, session chair, organizer for USA participants: 11 faculty and adjunct faculty from WesternU participated.

2nd International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 16-17, 2014. Scientific committee member, co-organizer, session chair, organizer for USA participants: WesternU, Emory University faculty

Scientific board member of the Ljudevit Jurak International Symposiums on Comparative Pathology (Zagreb, Croatia), 2012-ongoing

ONE HALTH CROATIA- Round Table Discussion- School of Public Health “Andrija Stampar”, June 5th 2017.

ESTABLISHED AWARDS

In June 2011. initiated an annual “**Dr. Suzana Tkalcic ONE HEALTH award**” for the “Ljudevit Jurak International Symposiums on Comparative Pathology (Zagreb, Croatia) - for the best interprofessional (human and veterinary medicine) student team poster presentation on comparative medicine/pathology.

FUNDED RESEARCH:

1. **Tkalcic, Suzana** and Malika Kachani: PARASITIC DISEASE STATUS OF THE RESPIRATORY AND GASTROINTESTINAL TRACT IN THE MARINE MAMMALS OF THE SOUTHERN CALIFORNIA, Western University Intramural Grant, 2005 \$8, 200. (*Primary investigator and pathologist*)
2. Margaret Barr and **S. Tkalcic**: DEVELOPMENT OF A GUINEA PIG MODEL FOR TESTING ALZHEIMER'S DISEASE VACCINES, Western University Intramural Grant, 2005, \$5, 420. (*Co- investigator and pathologist*)
3. Gael Lamielle: RESPIRATORY NEMATODES (*OTOSTRONGYLUS CIRCUMLITUS*) IN SOUTHERN CALIFORNIA PINNIPEDS. Western University Student Summer Research Grant, 2006; \$2,500 (*Faculty Mentor and Pathologist*)
4. Vanessa Fravel: OCCURANCE AND MORTALITY IMPACT OF *UNCINARIA* SPP. IN CALIFORNIA SEA LION (*ZALOPHUS CALIFORNIANUS*) IN THE L.A. BASIN Western University Student Summer Research Grant, 2006; \$2,500 (*Faculty Mentor and Pathologist*)
5. Smodlaka, Hrvoje, W. Khamas, and **S. Tkalcic**: MORPHOLOGICAL AND HISTOLOGICAL STUDY OF SOME VASCULAR MODIFICATIONS AND THEIR FUNCTIONAL SIGNIFICANCE IN TRUE SEALS (PHOCIDS). Western University Intramural Grant 2006. \$5,000. (*Co- investigator and Pathologist*)
6. Brendon Boren: MORPHOLOGIC CHARACTERISTIC OF THE LUMBAR AND SACRAL PLEXUS IN PINNIPEDS. Western University Student Summer Research Grant, 2007; \$2,000.00 (*Faculty mentors: S. Tkalcic, H. Smodlaka*)
7. Marlene Anshultz: COMMON PARASITES OF SOUTHERN CALIFORNIA PINNIPEDS. Western University Student Summer Research Grant, 2007; \$2,000.00 (*Faculty mentor: S. Tkalcic*)
8. Jennifer Boardman: "MORPHOMETRIC STUDY OF GASTROINTESTINAL NEMATODES OF CALIFORNIA SEA LIONS (*ZALOPHUS CALIFORNIANUS*)" Western University Student Summer Research Grant, 2008; \$2,000.00 (*Faculty mentor: S. Tkalcic*)
9. Ellen Collison, Y Drechsler, M Dawes, **S Tkalcic**, M Saggese. IMPACT OF IMMUNE RESPONSES OF CHICKENS WITH DEFINED B HAPLOTYPES ON RESISTANCE TO RESPIRATORY CORONAVIRUS INFECTION. USDA. CSREES-NRI-Competitive Grants program 2008. \$375,000
10. Arun Sanghavi, S Tkalcic, D. Clark, J Mondares. IBI Innovative BioSystems. WBC COUNTING DEVICE. Clinical trial, 2010. \$1,500.00 (*Faculty mentor for Jenna Mondares: S Tkalcic*)
11. **Tkalcic S**, McNamara, T, Palmer L: "OCCURRENCE OF THE WEST NILE ENCEPHALITIS IN SOUTHERN CALIFORNIA PINNIPEDS" Western University Intramural Grant. [2012. \$5,000.]
12. Zupan, I, **S Tkalcic**, S Colak, **R Coz-Rakovac**. Effects of Imuno-2865™ (PDS-2865®) on stress-resistance and immunocompetency of sea bream (*Sparus aurata*) in aquaculture. Clinical trial at University of Zadar/Institute R. Boskovic, sponsored by Animal Necessities (2014. \$5,000)

GRANTS SUBMITTED, BUT NOT FUNDED

1. Dawes, ME, YL Lyon, **S Tkalcic**, J Lakritz, JR Turk: A Pilot Study: THE EFFECTS OF LACTOFERRIN (LF) ON EXPERIMENTALLY INDUCED ENDOTOXEMIA IN BOVINE NEONATES. WU Intramural research grant. Declined 2007.
2. **Tkalcic S**, Coz-Rakovac R, Strunjak-Perović I, Topić-Popović N, Jug-Dujaković J, Mladineo I: "BIODEFENSE AT THE HUMAN-MARINE INTERFACE: TOXIC ALGAL BLOOMS

- AND ZOO NOTIC PARASITIC DISEASES OF FISHERIES AND MARINE ANIMALS IN EASTERN ADRIATIC" NATO Science For Peace And Security Programme, Science For Peace Proposal. [300.000 EUR total costs 2010-2012] proposal submitted to Croatian partners Nov01, 2009.
3. **Tkalcic S**, Mihelic D, Khamas W, Smodlaka,H, Simpraga M: "CAROTID BODY FUNCTIONAL MORPHOLOGY AND HISTOLOGY IN MARINE MAMMALS: IMMUNOHISTOCHEMISTRY AND STRUCTURAL DIFFERENCES BETWEEN SHALLOW AND DEEP SEA DIVING ANIMALS" Unity through Knowledge Fund. Ministry of Science, Education, and Sport Republic of Croatia; Research Cooperability Program 2009. [171,080.00EUR total costs 2010-2011] submitted Dec15, 2009.
 4. **Tkalcic S**, McNamara, T, Palmer L: "OCCURRENCE OF THE WEST NILE ENCEPHALITIS IN SOUTHERN CALIFORNIA PINNIPEDS" Western University Intramural Grant. [2010. \$15,000.]
 5. **Tkalcic S**, Coz-Rakovac R, Strunjak-Perović I, Topić-Popović N, Jug-Dujaković J, Mladineo I, Zupan I, Ivanek R: "BIODEFENSE AT THE HUMAN-MARINE INTERFACE: ASSESMENT AND PREDICTIVE MODELLING OF ZOO NOTIC PARASITIC DISEASES OF FISHERIES AND MARINE ANIMALS IN EASTERN ADRIATIC" NATO Science For Peace And Security Programme, Science For Peace Proposal. [300.000 EUR total costs 2012-2013] proposal submitted to Croatian partners Nov01, 2012.
 6. Pending USDA seed grant. PI: Ellen Collison. 2013. Agriculture and Food Research Initiative Competitive Grants Program (Part II.SectionD. Item 2b) E. Collisson, **S. Tkalcic**, Y. Drechsler, J. Adler: LIPOSOME-PEPTIDE BASED VACCINES PROVIDING BROAD PROTECTION FOR AVIAN VIRUSES. \$150,000. 2 yr. Submission Jan 2013. (15% FTE)
 7. **E.Collisson, S. Tkalcic, Y. Drechsler, J. Adler-Moore, .M. Dawes, K. Irizarry, WE . Briles, C Keeler**. IDENTIFICATION OF MARKERS FOR RESISTANCE TO AVIAN INFLUENZA VIRUS IN POULTRY. USDA, 1 mil \$
 8. E. Collisson, J Adler-Moore, Y Drechsler, **S Tkalcic**. LIPOSOME-PEPTIDE VACCINES PROVIDING BROAD PROTECTION FOR AVIAN CORONAVIRUSES. USDA Seed GRANT11640847. Submitted May 1, 2014. \$150,000
 9. E. Collisson, J Adler-Moore, Y Drechsler, **S Tkalcic**. LIPOSOME VACCINE CARRYING A HIGHLY CONSERVED NEUTRALIZING EPI TOPE of IBV. U.S. Poultry & Egg Assn. June 5, 2015. For 2 years. \$60,000
 10. 2016: National Institute of Food and Agriculture (NIFA). E. Collisson, J Adler-Moore, Y Drechsler, **S Tkalcic**.: LIPOSOME-PEPTIDE VACCINES PROVIDING BROAD PROTECTION FOR AVIAN CORONAVIRUSES; Proposal Number Assigned by NIFA: 2016-09356; Date Received: 13-JUL-16. Grants.Gov Tracking Number: GRANT12213230 \$150,000
 11. 2016: Dawes, ME, **S Tkalcic**: LACTOFERRICIN B DETECTION & PEPTIDE DISTRIBUTION. ACVIMF-Large Animal Internal Medicine (Food Animal Focus). **\$27,000.00 Not funded**
 12. 2016: Dawes, ME, **S Tkalcic**, L Lee, F Duong: INVESTIGATING THE EFFECTS OF THE NATIVE ANTIMICROBIAL PROTEIN LACTOFERRIN ON NEONATAL IMMUNITY, USING A BOVINE ENDOTOXIN MODEL. PAR-16-366 - Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Animal Species (NIH-R01). \$829,920.00. Aug 26, 2016. submitted

PROGRAM SPEAKER:

A. Scientific Program/Abstracts

1. **Tkalcic, S.**, BG Harmon, CA Brown, E Mueller, A Parks, T Zhao, and MP Doyle. 1997: "Effects of rumen microenvironment on the growth and fecal shedding of E. coli O157:H7" pg. 36. In Proc. of the 3rd International Symposium and workshop on Shiga toxin (Verocytotoxin)-producing E. coli, Baltimore, MD.
2. **Tkalcic, S.**, BG Harmon, CA Brown, E Mueller, A Parks, T Zhao, and MP Doyle. 1998: "Dietary Effect on Rumen Proliferation and Fecal Shedding of Escherichia coli O157:H7 in Calves" pg. 82. In Abstracts book of the International Conference of Emerging Infectious Diseases in Atlanta, GA.
3. **Tkalcic, S.**, CA Brown, BG Harmon, AV Jain, E. Mueller, A. Parks, KL Jacobsen, SA Martin, T Zhao, and MP Doyle. 1999: "Effects of diet on the proliferation and acid tolerance of E. coli O157:H7 in rumen fluid" pg.27-28. In Abstracts book of the Conference on Emerging Diseases: Veterinary Medicine, Agriculture and Human Health, Athens, GA.
4. Tong Zhao, **S. Tkalcic**, M. P. Doyle, B. G. Harmon, C. A. Brown, and P. Zhao. 2000: Reduction of enterohemorrhagic E. coli carriage in neonatal calves by treatment with probiotic bacteria. In Abstract book of the 4th International Symposium and workshop on Shiga toxin (Verocytotoxin)-producing E. coli, p.91, Kyoto, Japan.
5. **Tkalcic, S.** 2007: "Veterinary Medicine and Public Health in the PBL curriculum: Interdisciplinary approach and the Role of a Pathologist", AAVMC/ASPH symposium "Partnerships for Preparedness: Future directions for schools of public health and Colleges of Veterinary Medicine" Atlanta, GA, April 2007.
6. **Tkalcic, S.** 2007: "Pathology Psychomotor Skills in the Problem Based Learning Curriculum" Association for Medical Education in Europe (AMEE) Annual Conference, Trondheim, Norway, August 2007. Oral presentation.
7. **Tkalcic, S.** 2008: "Valvular Endocarditis in California Sea Lion" CL Davis Marine Pathology Workshop. Case report, oral presentation. IAAAM 2008 Rome, Italy.
8. **Tkalcic, S.**, V Fravel, J Boardman, RH Evans and L Palmer. 2008: "A morphometric study of gastrointestinal parasites in Southern Californi Pinnipeds". Poster presentation. IAAAM 2008 Rome, Italy.
9. Mihelic, D., B Boren, **S Tkalcic**, H Smodlaka, L Palmer. 2008: " Topographic Anatomy of the Lumbosacral Plexus in Pinnipeds" Poster presentation. IAAAM 2008 Rome, Italy
10. Smodlaka, H, W Khamas, **S Tkalcic**, L Palmer, T Golub. 2008. "Histological Assessment of Unique Vasculature in Northern Elephant Seal". XXVII EAVA Congress, Budapest, Hungary. July 2008.
11. **Tkalcic, S.** 2008: "Veterinary Pathology and PBL: WesternU experiences" Topic area/Session: Problem-based learning. Short communications-oral presentation. AMEE Conference. Prague, Check Republic, Sept. 2008.
12. **Tkalcic, S.**, T McNamara, A Alcaraz. 2008: "Veterinary Pathology in the PBL curriculum at Western University of Health Sciences" Annual ACVP Conference, San Antonio, TX. Poster Presentation. Nov 2008.

13. Alcaraz, A., **S Tkalcic**, T McNamara. 2008: "Student Centered Learning and Pathology Education" Annual ACVP Conference, San Antonio, TX. Nov 2008.
14. **Tkalcic, S.** 2009: "Interprofessional Medical Education and Role of Comparative Pathology" Proceedings of the 20th L.J. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2009.
15. **Tkalcic, S.** 2009: "College of Veterinary Medicine, Western University of Health Sciences: Overview" In the Proceedings of the International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009. Pg. 149-151.
16. **Tkalcic, S.** 2009: "Gastric ulcers in California Sea Lions (*Zalophus californianus*)" In the Proceedings of the International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009.pg. 160-162.
17. Smodlaka, H, W. Khamas, **S Tkalcic**, T. Golub, L. Palmer, RW Henry, R Reed.2009: "Anatomical Adaptations Of Deep Diving Seals". In the Proceedings of the International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009. Pg. 155-159.
18. Banat, G.R., **S Tkalcic**, H.L. Shivaprasad, M. D. Saggese, M. W. Jackwood, W.E. Briles, E.W. Collisson. 2010: "Pathogenicity of an avian coronavirus in chickens differing in the MHC B complex" In the Proceedings of the 29th Annual Meeting of the American Society for Virology, Bozeman, MT, USA. July 17 - 21, 2010.
19. Collisson, E.W., G.R. Banat, L.Griggs, M.E. Dawes, **S. Tkalcic**, M.D.Saggese, W.E.Briles, H.L.Shivaprasad, M.W. Jackwood, Y. Drechsler. 2010. Resistance of B2 lines to avian coronavirus compared with B19 lines correlates with monocyte function. Proceedings of the Avian Immunology Research Group Annual Meeting, Budapest, Hungary. October 7-10. 2010.
20. **Tkalcic, S. 2010:** "Interprofessional education and pathology: *quo vadis medicina?*" *Education Session.* 61st Annual Meeting of the American College of Veterinary Pathologists, ACVP/ASVCP. Baltimore MD October 30-November 3 2010.
21. A. Alcaraz, T. McNamara, **S Tkalcic** and T. Miller, 2010: "Introducing Pathology during Anatomy dissection in a veterinary curriculum" *Education Session.* 61st Annual Meeting of the American College of Veterinary Pathologists, ACVP/ASVCP. Baltimore MD October 30-November 3 2010.
22. Collisson, E.W., Banat, G.R., Griggs, L., Dawes, M.E., **Tkalcic, S.**, Saggese, M.D., Briles, W.E., Shivaprasad, H.L., Jackwood, M.W. & Drechsler, Y., 2010. Impact of immune responses of chickens with defined B haplotypes on resistance to respiratory coronavirus infection. USDA NIFA meeting, Washington, DC, USA. December 10-11, 2010.
23. Banat, G.R. , **S. Tkalcic**, H.L. Shivaprasad, Miguel D. Saggese, Mark W. Jackwood, W.E. Briles, Y. Drechsler, L. Griggs, .M.E. Dawes, E. W. Collisson 2011. "Association of the chicken MHC with genetic resistance to avian coronavirus" Proceedings of the 30th Annual Meeting of the American Society for Virology, University of Minnesota, Minneapolis, MN, USA July 16-20, 2011.
24. Collisson E.W., G.R. Banat, **S. Tkalcic**, W.E. Briles, M.Saggese, M.W.Jackwood. 2011. Genetic resistance to avian Coronavirus can be associated with the major histocompatibility complex. Proceedings of the XIIth International Nidovirus Symposium, Acme, MI, USA. USA. June 4-9, 2011.

25. Drechsler, Y., M.E. Dawes, G.R. Banat, **S. Tkalcić**, M.W Jackwood, L. Griggs, W.E. Briles, E.W. Collisson. 2011. Greater macrophage response of B2 MHC chickens correlates with greater resistance to coronavirus associated illness. Proceedings of the XIIth International Nidovirus Annual Symposium, Acme, MI, USA. June 4-9, 2011.
26. Collisson E., Y. Drechsler, G. R. Banat, L. Griggs, **S.Tkalcić**, R. Kopulos, W. E. Briles, M. Dawes. 2012. Macrophage function as a predictor of resistance to coronavirus associated illness in B haplotype defined chicks. American Veterinary Medical Association/American Association of Avian Pathologists convention notes, San Diego, CA, USA. August 3-7. 2012.
27. Tkalcić S., D. Cruz, S. C. Marikos, K. Barstad-Mulvey, N. Castillo, R. Menchaca, M.Kachani, H. Engelke. 2013. One Border One Health/Una Frontera Una Salud: Training and outreach strategies for the Binational One Health Initiative in the California – Baja California Border Region. 2nd International One Health Conference- Prince Mahidol Award Conference: “A world against infectious diseases: cross-sectoral solutions” Jan 29-Feb 2, 2013. Bangkok, Thailand. Poster presentation.
28. Saric T, Beck R, Bosnic S, Zupan I, Saran T, Acimov D, Tkalcić S. 2015. Species identification and prevalence of *Eimeria* spp. coccidial parasites in sheep from the Central Dalmatia (Republic of Croatia) XXII International Congress of Mediterranean Federation of Health and Production of Ruminants. Sassari, Sardinia, June 17-20th, 2015.
29. **S. Tkalcić**. 2017. **Molecular Diagnostics, Biomedical Research And One Health**. Oral presentation. 26th Jurak Symposium on Comparative Pathology, Zagreb, Croatia, June 01, 2017.

B. Invited Presentations-Veterinary Groups:

1. POSTER AND ORAL PRESENTATIONS:

Tkalcić, S, D. Miller, and BG Harmon. 1999. "Paraquat toxicosis in dogs" case No.39. 27th Annual Southeastern Veterinary Pathology Conference SEVPAC '99, Tifton, GA

Tkalcić, S, BG Harmon, and Heidi McClain. 2000. "Patent reverse ductus arteriosus in a Chihuahua" case No.21. 28th Annual Southeastern Veterinary Pathology Conference SEVPAC '00, Tifton, GA

Tkalcić, S, AP Garcia, and A. Dahm. 2001. "Cerebral cryptococcosis in a horse" case No.45. 29th Annual Southeastern Veterinary Pathology Conference SEVPAC '01, Tifton, GA

Tkalcić, S, CA Brown, BG Harmon, KL Jacobsen, T Zhao, and MP Doyle. 2001 Pathogenicity and fecal shedding of enterohemorrhagic *E. coli* in neonatal and weaned calves. Research days at the College of Veterinary Medicine, University of Georgia.

Tkalcić, S, CA Brown. 2002. "*Suis*-idal disease of pigs" case No.45. 29th Annual Southeastern Veterinary Pathology Conference SEVPAC '02, Tifton, GA

Tkalcić S. 2004. “PBL approach to veterinary education” Guest speaker. AMAC/AMCA (Alma Mater Croatian Association) Zagreb, Croatia.

Tkalcić, S. 2005: “*E. coli* O157:H7 and Graduate Research”. Invited Speaker, Biological Science Club Presentation. Azusa Pacific University, CA.

Evans, RH, **S Tkalcić**. 2007: “Urogenital Carcinomas in California Sea Lions (*Zalophus Californianus*)” Poster presentation. 18th Lj. Jurak International Symposium of Comparative Pathology, Zagreb, Croatia .

Tkalcic, S. 2007: “Forefronts of Veterinary Medical Education: Teaching Pathology in the Problem Based Learning (PBL) –Curriculum” Oral presentation. 18th Lj. Jurak International Symposium of Comparative Pathology, Zagreb, Croatia.

Tkalcic S. 2007: “Veterinary Medical Education of Today: my California experience” Invited Speaker. 2nd Veterinary Student Congress. Zagreb, Croatia.

Tkalcic, S. 2008: “Valvular Endocarditis in California Sea Lion” CL Davis Marine Pathology Workshop. Case report. IAAAM 2008 Rome, Italy.

Tkalcic, S, V Fravel, J Boardman, RH Evans and L Palmer. 2008: “A morphometric study of gastrointestinal parasites in Southern California Pinnipeds”. Poster presentation. IAAAM 2008 Rome, Italy.

Mihelic, D., B Boren, **S Tkalcic**, H Smodlaka, L Palmer. 2008: “Topographic Anatomy of the Lumbosacral Plexus in Pinnipeds” Poster presentation. IAAAM 2008 Rome, Italy

Tkalcic, S. 2008. "CSI: birds (ins and outs of avian necropsy)". Invited Speaker. Avian Diseases and Conservation Conference. College of Veterinary Medicine-Western University of Health Sciences. Pomona, California May 29-31.

Tkalcic, S. 2008: “Diarrheic Diseases of Newborn Animals” Oral presentation. Session co-chair. 19th Lj. Jurak Symposium of Comparative Pathology. Zagreb, Croatia, June 2008.

Tkalcic, S. 2008: “Veterinary Pathology and PBL: WesternU experiences” Topic area/Session: Problem-based learning. Short communications-oral presentation. AMEE Conference. Prague, Check Republic, Sept. 2008.

Tkalcic, S. 2008: “Current Trends in Veterinary Pathology Education: Evidence Based Medicine and Problem Based Learning” ESVP Conference. Poster presentation. Dubrovnik, Croatia Sept 17-21, 2008.

Tkalcic, S., V Fravel, J Boardman, L Palmer. 2008: „Acanthocephalans in Southern California Pinnipeds“ ESVP Conference. Poster presentation. Dubrovnik, Croatia Sept 17-21, 2008.

Herak-Perković, V., M Tišljarić, **S Tkalcic**, N Ergotić. 2008: “Histopathological Evaluation of a Dose-responsive tissue reaction associated with WOW-formulated Vaccine in Chicken” ESVP Conference. Poster presentation. Dubrovnik, Croatia Sept 17-21, 2008.

Tkalcic, S, T McNamara, A Alcaraz. 2008: “Veterinary Pathology in the PBL curriculum at Western University of Health Sciences” Annual ACVP Conference, San Antonio, TX. Poster Presentation. Nov 2008.

Alcaraz, A., **S Tkalcic**, T McNamara. 2008: “Student Centered Learning and Pathology Education” Annual ACVP Conference, San Antonio, TX. Oral Presentation. Nov 2008.

Tkalcic, S. 2008: “Notions for oceans: Diseases of California Sea Lions” Oral presentation. ZWEACC Mini-conference, Western University of Health Sciences, Nov. 1, 2008.

S. Tkalcic, M Blauvelt, RE Moreland. 2009: “Transmissible Venereal Tumor in Male Dogs in the USA: Incidence and Characteristics ” 20th LJ. Jurak International Symposium on Comparative Pathology. Poster presentation (PP4). Session chair for poster discussions. June 4-5, 2009. Zagreb. Croatia.

Tkalcic, S. 2009: “Gastric ulcers in California Sea Lions (*Zalophus californianus*)” International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009. Oral Presentation.

Tkalcic, S. 2009: "Outcomes Assessment in Veterinary Pathology: Improving Student Performance in PBL". Topic area/Session: Problem-based learning. Short communications -oral presentation. AMEE Conference. Malaga, Spain, Sept. 2009.

Pavic, M, A Petak, **S Tkalcic**. 2010: "Verminous Pneumonia in California Sea Lions: Correlation between Gross and Histopathological Lesions" *In Proceedings of the 20th LJ. Jurak International Symposium on Comparative Pathology*. Zagreb, Croatia.

Petak, A , M Pavic, **S Tkalcic**. 2010: "Nasal Mites and Associated Lesions in the Upper Respiratory Tract of California Sea Lions (*Zalophus californianus*)" *In Proceedings of the 20th LJ. Jurak International Symposium on Comparative Pathology*. Zagreb, Croatia.

Tkalcic, S. 2010: "Interprofessional education and pathology: *quo vadis medicina?*" *Education Session*. 61st Annual Meeting of the American College of Veterinary Pathologists, ACVP/ASVCP. Baltimore MD October 30-November 3 2010.

Tkalcic, S. 2011: "Tales of Whales and Other Pathology Related Stories from the Ocean" Invited speaker. ZWEACC Conference. Pomona, CA, USA. Jan 22, 2011.

Zobel, R, **S Tkalcic**, I Pipal, I. Sostaric, V Buić. 2011. Ozone as a Treatment Option for Urovagina in Dairy Cows. Poster Presentation. FEMESPRUM, Belgrade Serbia. May 25, 2011.

Tkalcic, S., J. Tegzes, 2011: "Paving the road to one health: veterinary medicine, education, and public health" Oral presentation. Proceedings of the 1st International One Health Congress Melbourne, Australia, Feb 14-17, 2011. EcoHealth 7, S8-S170.

Buić, V, R Zobel, I Pipal, H M Naoulo, **STkalčić**, 2011. Blood Cortisol Level As An Indicator Of Stress And Pain During The Transrectal Examination In Dairy Cattle. International Congress Veterinary Science and Profession. Zagreb. Croatia. October 4, 2011.

Banat, G.R. , **S. Tkalcic**, H.L. Shivaprasad, Miguel D. Saggese, Mark W. Jackwood, W.E. Briles, Ellen W. Collisson 2011. "Association of the chicken MHC with genetic resistance to avian coronavirus" Poster presentation. 30th Annual Meeting of the American Society for Virology, University of Minnesota, Minneapolis, July 18, 2011.

Tkalcic, S. 2012: "Sentinels of Ocean Health" Invited speaker. ZWEACC Conference. Pomona, CA, USA. Oral presentation. Jan 29, 2012.

S. Čolak, M. Lovrinov, I. Župan, **S. Tkalčić**, T. Šarić: Isopod Parasite *Ceratothoa oestroides* (Risso, 1826) In Cultured Seabass (*Dicentrarchus labrax* L. 1758) From The Adriatic And Implications For Management Strategies In Aquaculture. IAAAM conference Atlanta, May 2012.

Tkalcic S., D. Cruz, S. C. Marikos, K. Barstad-Mulvey, N. Castillo, R. Menchaca, M.Kachani, H. Engelke. 2013. One Border One Health/Una Frontera Una Salud: Training and outreach strategies for the Binational One Health Initiative in the California – Baja California Border Region. 2nd International One Health Conference- Prince Mahidol Award Conference: "A world against infectious diseases: cross-sectoral solutions" Jan 29-Feb 2, 2013. Bangkok, Thailand. Poster presentation.

Tkalcic, S. 2014. One Health In Medical Education And Practice. In Proceedings of the 2nd International Scientific Meeting Of Anatomy And Physiology: Fundamentals Of Medicine. Zagreb, Croatia, June 16-17, 2014.

Tkalcic, S. 2014. Marine Mammal Pathology and Rehabilitation. Summer Wildlife Disease Course. Faculty of Veterinary Medicine, University of Zagreb. Zagreb, Croatia. June 28, 2014.

Župan I, **Tkalčić S***, Šarić T, Čož-Rakovac R, Strunjak-Perović I, Topić-Popović N, Poljičak-Milas N, Kardum M, Kanski D, Bulat T, Beer Ljubić B, Matijatko V, 2015: Effects of IMUNO-2865® supplementation on oxidative stress parameters in the blood of sea bream (*sparus aurata* linnaeus, 1758) in aquaculture. 46th Conference of the International Association for Aquatic Animal Medicine. April 6-10, 2015. Chicago, IL, USA. 2015.

Flacke GL*, **Tkalcic S**, Steck B, Warren K, Paris MC: A Retrospective Study Of Mortality In Captive Pygmy Hippopotamus (*Choeropsis liberiensis*). AAZV Conference 2015. 09/26-10/02/2015. Portland, OR

Župan I, **Tkalčić S***, Šarić T, Čož-Rakovac R, Strunjak-Perović I, Topić-Popović N, Poljičak-Milas N, Kardum M, Kanski D, Bulat T, Beer Ljubić B, Matijatko V, 2015: **Supplementation Effect Of IMUNO-2865® in Sea Bream (*Sparus aurata* Linnaeus, 1758) During Winter Stress Period On Some Biochemical Parameters In The Plasma.** European Aquaculture Society Conference 2015, Rotterdam, NL; October 20 - 23, 2015.

S. Tkalcic. 2016: **Tales of Whales and other related stories from the Ocean.** SC-WAVMA. Jan 26, 2016. WesternU

S Tkalcic 2016: **Model learning in basic veterinary pathology: Pathology Psychomotor skills (PPMS).** GRIPE, San Diego, CA, Jan 28-30. 2016 Poster Presentation.

S Tkalcic. 2016. **Nasal mites in Southern California Pinnipeds.** Southern California Marine Mammal Workshop. Feb.19-20, 2016. Poster Presentation. Newport Beach, CA

Poljičak-Milas N, M Kardum, P Tadić, K Matković, I Župan, T Šarić, S Tkalčić. 2016. **Morphometric Characteristics In Hematology Of Sea Bream In Aquaculture.** 6th Croatian Veterinary Congress with International attendance. Opatija. Croatia. Oct. 26-29, 2016.

Tkalcic S., L.Palmer, D Abolnik. 2017. **Nasal Mites in Southern California Pinnipeds: Trends and Recommendations.** Poster presentation. IAAAM annual meeting, Cancun, Mexico May 20-24, 2017.

Invited Speaker-International Meetings

Tkalcic, S.: “College of Veterinary Medicine, Western University of Health Sciences: Overview” Invited speaker for International Scientific Meeting of Anatomy and Physiology Fundamentals of Medicine. Zagreb, Croatia June 12-13, 2009.

Tkalcic S.: “Endocrine pathology in domestic animals: hairy humans with hormones gone bad”. Invited speaker for 21th LJ. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2010.

Tkalcic S.: “Dermatopathology of domestic animals”. Invited speaker for 22nd LJ. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2011.

Tkalcic S.: “Quo Vadis Veterina? The power of leadership: trends- issues–strategies”. Invited speaker for International Congress Veterinary Science and Profession. Zagreb, Croatia, October 3-4, 2011.

Tkalcic S.: “Lymphoproliferative disorders of domestic animals”. Invited speaker for 23rd LJ. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2012.

Tkalcic S.: “Mystery case presentation: 1. Mast cell tumor. 2. Histiocytoma. “ 23rd LJ. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2012.

Tkalcic S. 2012: “Problem based learning in medical education and beyond” University of Mostar. Bosnia and Herzegovina, June 8, 2012.

Tkalcic S.: Zoobiquity® in renal pathology: animal and human interface. Invited speaker for 24th Lj. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2013.

Tkalcic S.: “Mystery case presentation: animal models for human disease 1. HUS in dogs 2. Leptospirosis“ 24th Lj. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 4-5, 2013

Tkalcic, S.: “One Health In Medical Education And Practice” 2nd International Scientific Meeting Of Anatomy And Physiology: Fundamentals Of Medicine. Zagreb, Croatia, June 16-17, 2014.

Tkalcic S.: “Valvular endocarditis in a Sea Lion“ 25th Lj. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 12-13, 2015.

Tkalcic S.: “One Health in theory and practice“ Croatian Academy of Medical Sciences. Zagreb, Croatia, Dec 16, 2016.

Tkalcic S.: “Molecular diagnostics, biomedical research, and One Health“ 26th Lj. Jurak International Symposium on Comparative Pathology. Zagreb, Croatia, June 03, 2017.

Tkalcic S.: “One Health in academia, science and research“ Oral presentation at School of Public Health Andria Stampar: One Health round table discussion panel. Zagreb, Croatia, June 5, 2017.

C. Invited Presentations - Lay Groups:

1. **Tkalcic, S.:** PBL approach to veterinary education. Biannual Meeting of AMAC/AMCA, Zagreb, Croatia, 2004.
2. **Tkalcic, S.:** Pathology of Marine Mammals. Oral Presentation, Day of the Seal. Marine Mammal Care Center, San Pedro 2005.
3. **Tkalcic, S.:** A Veterinarian in Practice and Education, Oral presentation, Carrier day Pomona Catholic High School, 2005.
4. **Tkalcic, S.:** Pathology of Marine Mammals, Oral Presentation, Day of the Seal. 2006 Marine Mammal Care Center, San Pedro
5. **Tkalcic, S.:** Marine Mammals: What can go wrong? Oral Presentation, American Cetacean Society, 2006.
6. **Tkalcic, S.:** A veterinarian and a pathologist in service and education. Oral Presentation, American Association of University Women, 12th Annual Math-Science Conference for Eighth Grade Girls, 2006.
7. **Tkalcic, S.:** A road to a veterinarian in higher education: personal experiences. Oral presentation, Carrier day Pomona Catholic High School, 2005-2006
8. **Tkalcic, S.:** Veterinary profession in service and education. Oral Presentation, American Association of University Women, 13th Annual Math-Science Conference for Eighth Grade Girls, University of Redlands, 2007.
9. **Tkalcic, S.:** Veterinary profession in service and education. Oral Presentation, American Association of University Women, 14th Annual Math-Science Conference for Eighth Grade Girls, University of Redlands 2008.
10. **Tkalcic, S.:** Women in Veterinary profession. Oral Presentation, American Association of University Women, 15th Annual Math-Science Conference for Eighth Grade Girls, University of Redlands. 2009.
11. **Tkalcic, S.:** Problem Based Learning in biomedical sciences. Oral presentation. Faculty of Biological and Mathematical Science, University of Zagreb, Croatia. June 10, 2009.
12. **Tkalcic, S.:** Graduate studies in USA and Problem Based Learning in higher education. Oral presentation. Alumni Association of the University of Zagreb. Faculty of Textile and Technology, University of Zagreb, Croatia. June 15, 2010.

13. **Tkalcic S.:** The greatest profession: veterinary medicine. Speaker for prospective future vets from Cal State at Fullerton pre-vet club. (CSUF). March 08, 2013.

C. Invited Forums:

-Pandemic Influenza, Executive Briefing and Roundtable Discussion for Community Leaders, Congressman Dana Rohrabacher, Long Beach, CA 2006
- *One Health for Disease Prevention Symposium* on April 13th, 2013. SCAVMA Public Health Committee at Western University of Health Sciences, Pomona, CA.

D. Editorial activity (reviewed articles):

JVDI 2008: Cesari, A., G. Bettini, E.Vezzali: Feline intestinal T-cell lymphoma: assessment of morphologic and kinetic features in 30 cases. Manuscript ID: 08-0226. Brief communication. *Journal of Veterinary Diagnostic Investigation*

JZWM 2009: de Quiros, Y., O. Gonzales Diaz, M. Munoz, M. Arbelo, E. Sierra, A. Fernandez: Iatrogenic Pneumomediastinum in a young Sea Lion (*Otaria byronia*). Article number 2009-0138. Brief communication. *Journal of Zoo and Wildlife Medicine*.

JVDI 2010: Ilha, MRS, C Watson, S Rajeev, M Woldemeskel: Meningoencephalitis caused by *Mycoplasma edwardii* in a dog. Manuscript number 10-0058. Brief communication. *Journal of Veterinary Diagnostic Investigation*.

JVDI 2014. Senan Baqir, Horiya Al-Azri, Khalid AL-Rasbi, Gabriela Mastromonaco, and Cathy Gartley Enlarged Lipoma In The Critically Endangered Arabian Leopard (*PANTHERA PARDUS NIMR*) [Paper # 2014-0061] May 12, 2014. Brief communication. *Journal of Zoo and Wildlife Medicine*

2016: -The Science of Nature (Naturwissenschaften). Ref.: Ms. No. NAWI-D-15-00337
"Predatory effectiveness of *Butlerius* spp (nematoda: Diplogasteridae) and nematophagous fungi of the genera *Duddingtonia*, *Clonostachys* and *Arthrobotrys* on *Haemonchus contortus* infective larvae (L3) on grass pots"

-Anatomia, Histologia, Embryologia -review Manuscript ID AHE-02-16-OA-025, "Bone marrow-derived multipotent mesenchymal stromal cells obtained from horses after euthanasia."

2017: Veterinary Medicine and Science: Bone marrow-derived multipotent mesenchymal stromal cells from horses after euthanasia. Manuscript ID: VMS3-2016-Oct-0043.R1

Joined PUBLON (Wiley) as a credited reviewer: WesternU

2016 WU activities:

- a) Open house-CVM Tour guide (2 hr); DVM Program presenter April 2, 2016.
- b) Global Health course participant (4X semester)
- c) Kaiser Permanente Health fair w Dr. Kovacs-Hippocrates circle, April 24, 2016
- d) San Bernardino State University, Pre-Health fair: Veterinary Medicine at WesternU. Jan 14, 2017.

PUBLICATIONS

A. Refereed Journals

1. Harmon BG, CA Brown, **S Tkalcic**, A Parks, AV Jain, T Zhao, MP Doyle. 1999. Fecal shedding and rumen growth of *E. coli* O157:H7 in fasted calves. *J Food Prot* 62(6): 574-579.
2. **Tkalcic, S.**, CA Brown, BG Harmon, AV Jain, EPO Mueller, A Parks, KL Jacobsen, SA Martin, T Zhao, and MP Doyle.2000: Effects of diet on rumen proliferation and fecal shedding of *Escherichia coli* O157:H7

in calves. J Food Prot. 63(12):1630-1636.

3. Mizan, S, ME Lee, BG Harmon, **S Tkalcic**, and J. Maurer. 2002. Acquisition of antibiotic resistance plasmids by enterohemorrhagic Escherichia coli O157:H7 within rumen fluid. J Food Prot. 65(6): 1038-1040.
4. **Tkalcic, S**, T Zhao, BG Harmon, MP Doyle, CA Brown, and P Zhao. 2003. Fecal shedding of enterohemorrhagic E. coli in weaned calves following treatment with probiotic E. coli. J Food Prot. 66(7):1184-1189.
5. Zhao, **S Tkalcic**, MP Doyle, BG Harmon, CA Brown, and P Zhao. 2003. Pathogenicity of enterohemorrhagic E. coli in neonatal calves and evaluation of fecal shedding by treatment with probiotic E. coli. J Food Prot. 66(6): 924-930.
6. Schmidt PL, R Travejo, **S Tkalcic**. 2008. Veterinary Public Health in a Problem Based Learning Curriculum at the Western University of Health Sciences. JVME 35(2):212-218.
7. Smodlaka H, W Khamas, **S Tkalcic**, T Golub, and L Palmer. 2010. Histological assessment of selected blood vessels of the phocid seals (Northern Elephant and Harbor Seals). Anatomia, Histologia, Embryologia. 2010: 1-8.
8. Zobel, R, D Gereš, I Pipal, V Buić, **S Tkalcic**. 2010. Influence of the semen deposition site on the calves' sex ratio in Simmental dairy cattle. Reprod.Dom. Anim. ISSN 0936-6768. Pg. 1-7. (IF 1.356)
9. Zobel, R, **S Tkalcic**, I Pipal, V Buić. 2011. Repeat Breeder Syndrome In Dairy Cows: Influence Of Breed and Age on Its Prevalence and the Success of a Hormone Therapy. Turk. J. Vet. Anim. Sci. 35(6):405-411. (IF 0.236)
10. Zobel, R, **S Tkalcic**, I Pipal, V Buić. 2011. Incidence and factors associated with early pregnancy losses in Simmental dairy cows. Animal Reproduction Science. 127:121-125. (IF 1.75)
11. Zobel, R, **S Tkalcic**, I Pipal, V Buić. 2012. Efficacy of Ozone as a Novel Treatment Option for Urovagina in Dairy Cows. Reprod. Dom. Anim. 47, 293–298. (IF 1.356)
12. Zobel, R, **S Tkalcic**. 2013. Efficacy of Ozone and Other Treatment Modalities for Retained Placenta in Dairy Cows. Reproduction in Domestic Animals. Accepted April 13, 2012. Reprod Dom Anim 48, 121–125. (IF 1.356)
13. Banat GR, **S Tkalcic**, JA Dzielawa, MW Jackwood, MD Saggese, L Yates, R Kopulos, WE Briles, EW Collisson 2013. Association of the chicken MHC B haplotypes with resistance to avian coronavirus. Developmental & Comparative Immunology. April 2013, Vol. 39(4), 430-437. (IF 3.268)
14. Zobel, R, **S. Tkalcic**, W. J. Cole. 2013. Fertility issues in Simmental Cows in Central Croatia: a 5 year study. Turkish Journal of Veterinary and Animal Sciences. Turk J Vet Anim Sci (2013) 37: 454-461 © TÜBİTAK doi:10.3906/vet-1204-14 (IF 0.221)
15. Drechsler, Y., **S. Tkalcic**, H. L. Shivaprasad, D. K. Ajithdoss, and E. W. Collisson. 2013. A DNA vaccine expressing env and gag offers partial protection against Reticuloendotheliosis Virus in the Prairie Chicken (*Tympanicus Cupido*). Journal of Zoo and Wildlife Medicine June 2013, Vol. 44, No. 2, 251-261. (IF 0.427)
16. Saric, T, J. Rogosic, **S. Tkalcic**, I. Zupan, Z. Sikic. 2013. Increased intake of *Juniperus phoenicea* L. by supplementation with barley and Optigen® in sheep. Italian Journal of Animal Science. June 2013; Vol. 12:e50. (IF 0.789)

17. Mihelić D, Smodlaka H, **Tkalčić S**, Palmer L, Mršić G, Špiranec K, Špoljarić D, Popović M, Mihelić D. 2014. Creation of Nerves Of The Lumbar And Sacral Plexus In California Sea Lions (*Zalophus californianus*) And Northern Elephant Seals (*Mirounga angustirostris*). Acta Veterinaria-Beograd. 64 (3), 293-306.
18. Šarić T, Rogošić J, Provenza F, Župan I, **Tkalčić S**, Franin K, Šikić Z, Ivanković S, Herceg N. 2014. Mediterranean shrub diversity and its effect on food intake in goats. Ital J Anim Sci vol. 13:3299. 582-587. (IF 0.612)
19. Saric T., J. Rogosic, I. Zupan, R. Beck, S. Bosnic, Z. Sikic D. Skobic, **Tkalcic S**. 2014. Anthelmintic effect of three tannin-rich Mediterranean shrubs in naturally infected sheep. Short communication. Small Rumin. Res (IF 1.342)
20. Khamas W, Al-Tikriti M, Albayati M, **Tkalcic S**, Eng C. 2014. Histological Description of the Testis, Epididymis and Ductus Deferens of the Northern Great Grey Kangaroo (*Macropus giganteus giganteus*). J Cytol Histol 5(6):287. Pp1-6. doi: 10.4172/2157-7099.1000287 (IF: 1.126)
21. Šimpraga M, Ljubičić I, Pejaković Hlede J, Shek Vugrovečki A, Marinculić A, **Tkalčić S**. 2015. Alternative approaches for the control of gastrointestinal nematodes in sheep farming: a review. *Ein Überblick über alternative Ansätze für die Kontrolle gastrointestinaler Nematoden in Schafhaltung*. Berl. Münch. Tierärztl. Wochenschr 128, 257-270 (2015). Jan 09, 2015. Manuscript-ID: BMTW13095, Berliner Und Münchener Tierärztliche Wochenschrift. Deutsche Tierärztliche Wochenschrift.' IF 0.819
22. Župan I, **Tkalčić S**, Šarić T, Čož-Rakovac R, Strunjak-Perović I, Topić-Popović N, Kardum M, Kanski D, Ljubić BB, Matijatko V, Poljičak-Milas N. 2015. Supplementation with imuno-2865® in sea bream (*Sparus aurata* Linnaeus, 1758): Effects on hematological and antioxidant parameters, *Fish and Shellfish Immunology*, 47:590-594 (IF 3.38)
23. Flacke, GL, **S Tkalcic**, B Steck, KWarren, and Graeme BM. 2016. A Retrospective Analysis of Mortality in Captive Pygmy Hippopotamus (*Choeropsis liberiensis*) From 1912 to 2014. Zoo Biology 35: 556–569 (IF 0.953)
24. Župan I, **Tkalčić S**, Čož-Rakovac R, Strunjak-Perović I, Topić-Popović N, Babic S, Bujak M, Šarić T. Biochemical parameters in the blood of gilthead sea bream (*Sparus aurata* Linnaeus, 1758) supplemented with commercially available β-glucan-based product (IMUNO-2865®). Aquaculture Research, Accepted for publication Sept 10, 2017.

B. Chapters in Books

Harmon, BG, MP Doyle, CA Brown, T Zhao, **S Tkalcic**, E Mueller, AH Parks, and K Jacobsen. 1999. Faecal shedding and rumen proliferation of Escherichia coli O157:H7 in calves: an experimental model. In: **Escherichia coli O157:H7 in farm animals** (ed. CS Stewart and HJ Flint) CABI publishing. London.

C. Reports in Nonreferred/Lay publications

Paige Heywood and **Suzana Tkalcic**: WesternU Vet Students and Faculty to the rescue! Our response to the Ventura County Mystery Oil Spill. The Outlook, CVM, WU 7(3): 9. 2005.

Paige Heywood and **Suzana Tkalcic**: A Perspective from a Potential Wildlife/Marine Veterinarian/Pathologist. The Outlook, CVM, WU 7(4): 4. 2005.

Paige Heywood and **Suzana Tkalcic**: Perspective from a Potential Wildlife/Marine

Veterinarian/Pathologist. California Veterinarian. 60 (1): 27.2006.

S. Tkalcic. CVM Quartet Attends One Health Congress in Australia. The Outlook, CVM, WU 12 (3): 15. 2011.

Cited in:

<http://www.mofga.org/mofga/other/mofgs04p.html> (“A PRIMER ON PROBIOTICS” by Diane Schivera, Maine Organic Farmers and Gardeners Association)

http://www.foodcontamination.ca/fsnet/2001/11-001/fsnet_november_23.htm#EFFECTS%20OF%20DIET
(EFFECTS OF DIET ON RUMEN PROLIFERATION AND FECAL SHEDDING OF ESCHERICHIA COLI O157:H7 IN CALVES

Dec. 2001 Journal of Food Protection: Vol. 63, No. 12, pp. 1630-1636)

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