Dedicated to the 60th anniversary of the institute of veterinary medicine

**“VETERINARY SCIENCE – SUSTAINABLE COOPERATION”**

INTERNATIONAL ONLINE CONFERENCE – 2021

Time: Nov 18, 2021 08:00 AM Irkutsk, Ulaanbaatar

Conference location: Meeting room in IVM (Conference host)

Join Zoom Meeting **[ SESSION I ]**

<https://us02web.zoom.us/j/3361479956?pwd=V1gzbGs4VHozejIzQUxFWnVPL0pDZz09>

Meeting ID: 336 147 9956
Passcode: IVM2021

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| Time | Agenda | Speaker |
| 08:20 - 08:40 | Registration / Zoom Connection |   |
| GENERAL SESSION |
| *08:40 - 09:00* | *Opening and Welcome Remarks*Director of Institute of Veterinary MedicineMinister for Education and Science of Mongolia President of Mongolian University of Life SciencesVice President of Mongolian Academy of SciencesChief Representative, JICA Mongolia Office | Prof. **Battsetseg** BadgarMr. **Enkh-Amgalan** LuvsantserenProf. **Heruuga** ТumurbaatarProf. **Byambaa** BadarchMs. **TAMURA** Eriko |
| **SESSION I**. Moderator: Professor **Batsukh** Zayat, Head of Helminthology laboratory, IVM |
| 09:00 - 09:30 | **Keynote presentation – I.** Employing a One Health Approach to Mitigate Future Pandemic Threats | **Gregory C. Gray**, Prof. University of Texas Medical Branch, Galveston, Texas, USA |
| 09:30 – 09:50 | Research achievements and International collaboration | **Battsetseg** Badgar*,* Prof. Institute of Veterinary Medicine, MULS, Mongolia |
| 09:50 – 10:15 | Adventures in COVID-19 Research | **Juergen A. Richt,** Prof. College of Veterinary Medicine, Kansas State University, Manhattan, KS, USA |
| 10:15 – 10:30 | A success story of SATREPS project: Control of protozoan diseases to improve livestock production in Mongolia | Naoaki **Yokoyama**, Prof. National Research Center for Protozoan Diseases,Obihiro University of Agriculture and Veterinary Medicine, Japan |
| 10:30 – 10:45 | Cooperation in Pathological Studies of Dourine via the SATREPS Project between the Institute of Veterinary Medicine and Obihiro University of Agriculture and Veterinary Medicine | Yoshiyasu **Kobayashi**, Prof. Obihiro University of Agriculture and Veterinary Medicine, Japan |
| 10:45- 11:00 | Deciphering type I IFN-dependent cascade responses of early innate immunity at mucosal sites following herpesvirus infection | **Uyangaa** Erdenebileg, PhD, Jeonbuk National University college of Veterinary Medicine, Korea |
| 11:00-11:15 | Dourine and *Trypanosoma equiperdum* in Mongolia | Keisuke **Suganuma**, Assistant prof. National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine, Japan |
| 11:15-11:30 | Novobiocin: Heat shock Protein inhibitor of *Theileria equi* and *Babesia caballi* | **Abhinav Suthar**, Assistant prof, College of Veterinary Science & Animal Husbandry, Sardarkrushinagar, Kamdhenu University, India |
| 11:30- 12:30 | Lunch break **POSTER VIDEO PRESENTATION / EXPOSITIONS** |
| Moderator: **Odbileg** Raadan, PhD, leading researcher of Virology Laboratory, IVM |
| 12:30- 12:45 | Prevalence of zoonotic protozoal diseases in Mongolia and drug discovery from Mongolian natural resources | Yoshifumi **Nishikawa**, Prof. National Research Center for Protozoan Diseases,Obihiro University of Agriculture and Veterinary Medicine, Japan |
| 12:45 - 13:00 | Development of a loop-mediated isothermal amplification (LAMP) method for specific detection of Mycobacterium bovis |  Yasuhiko **Suzuki**, Prof, Director of Hokkaido University International Institute for Zoonosis Control, Japan |
| 13:00- 13:15 | Pathological and epidemiological studies on equine glanders in Mongolia | **Ochbayar** Erdemsurakh, PhD, School of Veterinary Medicine, Mongolian University of Life Sciences |
| 13:15 –13:30 | Immunodiagnosis of *Haemonchus contortus* / India | **Bhupamani Das**, Assistant Prof. College of Veterinary Science & A. H., Kamdhenu University, India |
| 13:30 –13:45 | Impact of environmental factors on Fasciolosis spreading in Mongolia | **Lkhagvatseren** Sukhbaatar, PhD, Laboratory of Helminthology, IVM, Mongolia |
| 13:45- 14:00 | Detection of food-borne pathogens in meat in Mongolia | **Myagmarsuren** Punsantsogvoo, PhD, Laboratory of Molecular Genetics, IVM Mongolia |
| 14:00-14:10 | Break time |
| 14:10-14:25 | Development of means for prevention of infectious diseases in horses | **Neustroev** Mikhail Petrovich, Prof. Yakut Scientific Research Institute of Agriculture, Russia |
| 14:25 - 14:40 | Immunogenic analysis of recombinant hexon protein of bovine adenovirus type 3 | **Uudamsaikhan** Gundegmaa, PhD student, International College, National Pingtung University of Science and Technology, Taiwan  |
| 14:40-14:55 | The question of the origin and pathogenesis of avian encephalomyelitis | **Banda Lotson**, PhD student, Ural State Agrarian University, Yekaterinburg Russia |
| 14:55-15.10 | Isolation and Identification of Lumpy skin disease virus from naturally infected cattle in Mongolia | **Odonchimeg** Myagmarsuren, PhD student, Virology laboratory, IVM, Mongolia |
| **GENERAL SESSION** |
| 15:15 – 15:30 | **Keynote presentation - II**. Cooperation in Life Sciences in between Mongolia and Austria |  Wolf-Dieter **Rausch**, Associate prof. University of Veterinary Medicine Vienna, Austria |
| 15:30-15:45 | **Keynote presentation - III.** Celebrating more than 25 years of academic exchange between IVM and OBI: An example of successful human resource development and academic exchange | Noboru **Inoue**, Prof. Executive Vice President, Obihiro University of Agriculture and Veterinary Medicine, Japan |
| 15:45-16:00 | ***Closing remarks*** Vice president of Mongolian University of Life SciencesDirector of Institute of Veterinary Medicine | **Gantulga** Gombo, Prof.**Battsetseg** Badgar, Prof. |

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Time: Nov 18, 2021 08:00 AM Irkutsk, Ulaanbaatar

Join Zoom Meeting **[ SESSION II ]**
<https://zoom.us/j/5108047197?pwd=TEppaG4vTVoyZG9jRnd3ZFRrTGxtQT09>

Meeting ID: 510 804 7197
Passcode: 123456

Conference location: Meeting room in IVM (Conference host)

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| Time (Mongolia) | Agenda | Speaker |
| **SESSION II** | Moderator: **Altanchimeg** Adilbish, Associate prof, Head of Pathology laboratory, IVM |
| 09:50- 10:10 |  Gut Microbiome and Probiotics | Invited Speaker **Yuan-Kun Lee,** Prof. National University of Singapore |
| 10:10 -10:25 | Adverse effects of climate changes on animal health : Plant poisoning and dust storm  | **Altanchimeg** Adilbish, Associate prof. Pathology Laboratory, IVM, Mongolia |
| 10:25- 10:45 | Mongolian herding future envisioned from climate projections and livestock population controls | Masato **Shinoda**, Prof. Nagoya University, Japan |
| 10:45- 11:00 | Interaction between alkyl sulfated glucan and liposomes analyzed by surface plasmon resonance | **Budragchaa** Davaanyam, PhD, Institute of Veterinary Medicine, Mongolia |
| 11:00-11:15 | The effectiveness of the protective action of mineral adaptogen in respiratory diseases of broilers | **Drozd Marya Nikolaevna**, Russia Federal State-Financed Educational Institution of Higher Education “Ural State Agrarian University, Russia |
| 11:15-11:30 | Some results of conjugated linoleic acid and Δ9-desaturase enzyme in Mongolian pastoral sheep meat | **Gereltsetseg** Gelegsenge, Associate prof. School of Veterinary Medicine, Mongolian University of Life science |
| 11:30- 12:30 | Lunch break  **POSTER VIDEO PRESENTATION / EXPOSITIONS** |
| Moderator: **Buyantogtokh** Choijilsuren, PhD, Metabolism and Biochemistry laboratory, IVM |
| 12:30- 12:45 | Chemical constituents of *Artemisia sieversiana* collected in Mongolia and their biological activities | Toshihiro **Murata,** PhD and Kenroh Sasaki, Prof. Tohoku Medical and Pharmaceutical University, Japan |
| 12:45- 13:00 | Screening of Mongolian forage plants for their antioxidant and antibacterial activities  | **Buyanhishig** Buyanmandakh, PhD, National University of Mongolia, Mongolia |
| 13:00- 13:15 | In-vitro growth inhibitory efficacy of *Artemisia scoparia* plant extracts | **Sanjay Kumar**, PhD, Principal scientist, ICAR-National Research Centre on Equines, India |
| 13:15- 13:30 | Sustainable rural development by beekeeping |  Akiyo **Nishiyama**, Project Manager, JICA-JAICAF Project on Beekeeping Development to Improve Rural Livelihood in Mongolia (BeeDep-MONGOL 2) |
| 13:30- 13:45 | Effect of Background Radiation on Susceptibility of Service Dogs to COVID-19 Infection | **Anatoliy Alekseev**, Associate prof. Ural State Agrarian University, Russia |
| 13:45- 14:00 | Impact of diseases to Population Dynamic of Przewalski’s Horse in Hustai National Park, Mongolia | **Usukhjargal** Dorj, MSc, Hustai National Park, Mongolia |
| 14:00-14:10 | Break time |
| 14:10-14:25 | Antimicrobial Resistance Monitoring System in Agricultural Enterprises | Olga Vasilievna **Sokolova**, PhD, Academic and research institution (FSBSI Ural Federal Agrarian Scientific Research Centre, UrB of RAS), Russia |
| 14:25- 14:40 | The effect of X-ray irradiation on the prolonged storage of Mongolian traditional dairy product – small dried curd (Khorkhoi Aaruul) |  **Chinzorig** Radnaabazar, Associate prof. School of Engineering and Applied Sciences, National University of Mongolia |
| 14.40-14:55 | In vitro anti-piroplasmic activity of methanolic extracts of *Azadirachta indica* and *Ocimum sanctum* against *Theileria equi* and *Babesia caballi* | **Chinmoy Maji**, PhD, West Bengal University of Veterinary and Animal Sciences, India |
| 14:55-15.10 | Institute of Veterinary Medicine, Mongolia’s Non-infectious diseases sector’s research activities | **Bat-Erdem** Bold, PhD, laboratory of Pharmacology and Toxicology, IVM, Mongolia |
| GENERAL SESSION |

**POSTER PRESENTATION OF SESSION I**

1. Critical risk factors for the emergence of anthrax in Buryatia, **Oktyabrina Badmaeva**, Buryat Scientific Institute of Agriculture, Ulan-ude, Russian federation
2. Isolation and phylogenetic analysis of the canine distemper virus from a naturally infected dog in Mongolia, **Erdenechimeg Dashzevge**, Virology laboratory, IVM, Mongolia
3. Prevalence of worm infections of the large intestine in Mongolian horses, **Ulambayar Ochirkhuu**, Khovd Veterinary Laboratory
4. Isolation and identification of a highly pathogenic avian influenza H5N6 virus in Mongolia, **Ulaankhuu A**, State Central Veterinary Laboratory, Mongolia
5. Risk of hepatitis e virus infection in Mongolian pig farming. **Batmagnai Enkhbaatar**, Virology laboratory, IVM, Mongolia
6. Hemadynamic changes caused by herbicides, **Zhanabayeva Dinara Kabdullayevna**, S.Seifullin Kazakh Agrotechnical University, Nursultan, Kazakhstan

**POSTER PRESENTATION OF SESSION II**

1. Effect of precipitated calcium carbonate enriched with vitamin D3 treatment on rachitic dogs, **Dolgorsuren Tsedenbal**, Laboratory of Reproduction pathology and Endocrinology, IVM, Mongolia
2. Environmental adaptation and growth of Mongolian pasture plants, **Bolortuya Byambajav**, School of Engineering and Applied Sciences, National University of Mongolia
3. Estimating winter energy balance and the actual changes in animal nutrition of Mongolian grazing sheep, **Yu Yoshihara**, Mie university, Japan
4. Results detected lead level in blood of sheep, Ts. Javzandolgor, Metabolism and Biochemistry laboratory, IVM, Mongolia
5. Results of the study for primary and secondary metabolites and some biological activities of*Glycyrrhiza uralensis,***Tsevgedorj Chimedtseren**, Laboratory of Reproduction pathology and Endocrinology, IVM, Mongolia
6. A study of the relationship between trypsin inhibitors and proteins in the goat colostrum. **Purevtsogt Dorjgoo**, Laboratory of Physiology and Pathology of Young Animals, IVM, Mongolia