



Poster Presentation Schedule

Session 1: Human brucellosis (20 Presentations)

Poster No.	Title/Authors
PS1-1	<p>Reemergence of Human Brucellosis in Palestine: Using Molecular Tools to Investigate the 2015-2016 Outbreak</p> <p>Khaled Alzatari^{1,2}, Asma Tamimi¹, and <u>Yaqoub Ashhab</u>^{1*}</p> <p>¹<i>Biotechnology Research Center, Palestine Polytechnic University, Hebron, Palestine;</i> ²<i>Palestine Red Crescent Specialized Hospital</i></p>
PS1-2	<p>Seroprevalence of <i>Brucella</i> among veterinarians by conventional method and Enzyme Linked Immunosorbent Assay</p> <p><u>S. P. Awandkar</u>, Sumedha Bobade, Krupali Poharkar, S. B. Kale, Shilpshree Shinde, D. R. Kalorey & N. V. Kurkure</p> <p><i>Maharashtra Animal & Fishery Sciences University, Nagpur-440006</i></p>
PS1-3	<p>Seroprevalence of human brucellosis and their work practice analysis among veterinarians in Gujarat</p> <p><u>Barfal Pankaj</u>¹, Yadav Suresh², Kanani Amit³, Vyas Poonam¹, Modi HA⁴</p> <p>¹<i>National Institute of Occupational Health, Microbiology Division, Ahmadabad 380016 Gujarat, India;</i> ²<i>National Institute of Occupational Health, Environmental Studies, Ahmadabad 380016 Gujarat, India;</i> ³<i>Animal Disease Investigation Laboratory, Polytechnic campus, Ambawadi, Ahmedabad 380015, Gujarat, India;</i> ⁴<i>Department of Life Sciences, Gujarat University, Ahmadabad 380009 Gujarat, India.</i></p>
PS1-4	<p>Occupational risk factors associated with Human brucellosis among dairy farm workers in Gujarat</p> <p><u>Barfal Pankaj</u>¹, Yadav Suresh², Kanani Amit³, Derasari Anuradha¹, Vyas Poonam¹, Modi HA⁴</p> <p>¹<i>National Institute of Occupational Health, Microbiology Division, Ahmadabad 380016 Gujarat, India;</i> ²<i>National Institute of Occupational Health, Environmental Studies, Ahmadabad 380016 Gujarat, India;</i> ³<i>Animal Disease Investigation Laboratory, Polytechnic campus, Ambawadi, Ahmedabad 380015, Gujarat, India;</i> ⁴<i>Department of Life Sciences, Gujarat University, Ahmadabad 380009 Gujarat, India.</i></p>
PS1-5	<p>Development of novel immunodiagnostic test for screening of human brucellosis cases using the whole cell antigens of <i>Brucella abortus</i> S19</p> <p><u>Nidhi M. Bhartiya</u>, Ali A. Hussain, Hatim F. Daginawala, Lokendra R. Singh and Rajpal S. Kashyap</p> <p><i>Biochemistry Research Laboratory, Dr. G.M. Taori Central India Institute of Medical Sciences, Nagpur - 440010, India</i></p>
PS1-6	<p>Serodetection of Brucellosis in occupationally exposed humans in Koraput district of Odisha, India</p> <p><u>S. R. Hota</u>¹, N. Sahoo¹, H. Khuntia², M. Ranjit² and S. Satpathy³</p> <p>¹<i>Department of Epidemiology and Preventive Medicine, College of Veterinary Science and Animal Husbandry, Orissa University of Agriculture and Technology Bhubaneswar-751003, Odisha, INDIA,</i> ²<i>Regional Medical Research Centre, Chandrasekharpur, Bhubaneswar, Odisha, INDIA,</i> ³<i>Additional Chief District Veterinary Officer, Koraput, Odisha, INDIA</i></p>

PS1-7	<p>Seroprevalence of human brucellosis in Telangana and Andhra Pradesh</p> <p><u>A.Vijaya Kumar</u>¹, N.Krishnaiah², L.Venkateswar Rao³, Y.Narasimha Reddy² and K.Kondal Reddy²</p> <p>¹College of Veterinary Science, Korutla, Karimnagar, Telangana, India; ²College of Veterinary Science, Rajendranagar, Hyderabad, Telangana, India, ³College of Veterinary Science, Proddatur, Andhra Pradesh, India</p>
PS1-8	<p>Serological status against <i>Brucella</i> spp. of Jordanian patients with and without Brucellosis-like symptoms</p> <p><u>Imadidden Musallam</u>¹, Mahmoud Abo-Shehada² and Javier Guitian²</p> <p>¹Jordan food and drug administration (JFDA), Amman, Jordan; ²Veterinary Epidemiology, Economics and Public Health Group, Department of Production and Population Health, The Royal Veterinary College, University of London, North Mymms, Hertfordshire AL9 7TA, United Kingdom</p>
PS1-9	<p>Occupational Health Risk and Zoonotic hazards among Veterinarians</p> <p><u>Rajendra Palkhade</u>¹ and Mishra SD²</p> <p>¹Laboratory Animal Facility; ²Bio-Statistics Division National Institute of Occupational Health, Indian Council of Medical Research (ICMR) Meghani Nagar, Ahmedabad-380016</p>
PS1-10	<p>Human brucellosis: Review of 61 cases from a tertiary care hospital of southern India</p> <p><u>Sudipta Patra</u>¹, Vandana K E¹, Chaitanya T A K² and Chiranjay Mukhopadhyay¹</p> <p>¹Kasturba Medical College, Manipal, India; ²Manipal Centre for Virus Research, Manipal, India</p>
PS1-11	<p>Human brucellosis sero-surveillance using monoclonal antibody based blocking ELISA in high risk groups</p> <p><u>G. Dhinakar Raj</u>¹, S.Thiyagarajan¹, Maroudam V¹, Girish Radhakrishnan² and Raman M¹</p> <p>¹Translational Research Platform for Veterinary Biologicals, TANUVAS, Chennai, India; ²National Institute of Animal Biotechnology, Hyderabad, India.</p>
PS1-12	<p>Evaluation of Fluorescence Polarization Assay Technology as a Human Brucellosis Diagnostic in Georgia</p> <p><u>Marine Ramishvili</u>¹, Stella Avdalova¹, Ryan Arner², Nino Trapaidze¹, Mikeljon P. Nikolich³ and Ekaterine Adeishvili¹</p> <p>¹National Center for Disease Control and Public Health, Tbilisi, Georgia; ²Metabiota, Inc., Washington DC, USA; ³Walter Reed Army Institute of Research, Silver Spring, MD, USA</p>
PS1-13	<p>Ophthalmic brucellosis, a case report from India.</p> <p><u>Anindita Sen</u>¹, Manas Pal² and Satadal Das³</p> <p>¹M G M Medical College & LSK Hospital, Kishanganj, India, ²Regional Institute of Ophthalmology, Medical College, Kolkata, India, ³Brucella Research Lab, Peerless Hospital & B K Roy Research Centre, Kolkata, West Bengal, India.</p>
PS1-14	<p>Anti-lipopolsaccharide antibodies against brucellosis among risk groups in Central India</p> <p><u>Chhaya Sonekar</u>, S. P. Chaudhari, Rajpal Singh Kashyap, N. V. Kurkure, S. P. Awandkar, W. A. Khan, Vishvas Sherkhane, Amol Sahare, Smita Bhoyar, Neha Paliwal and Shilpshri Shinde</p> <p>Center for Zoonoses, Nagpur Veterinary College, Maharashtra Animal & Fishery Sciences, Nagpur 440006 India</p>

PS1-15	<p>Human brucellosis: A study on seroprevalence and potential risk factors among the occupational high risk groups</p> <p>Shome, R.¹, Suresh, K. P.¹, Krithiga, N.¹, Padmashree, B. S.¹, Reshma, K.¹, M.¹, Aradhya, Y.¹, Kumar, C.², Ranjitha, S., ¹Shome, B. R.¹ and Rahman, H.³</p> <p>¹ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI) Bengaluru, India; ²Central Coastal Agricultural Research Institute (CCARI), Goa, India; ³Indian Council for Agricultural Research (ICAR), New Delhi, India</p>
PS1-16	<p>Prevalence of Neurobrucellosis from Central India: A Hospital based study</p> <p><u>Pallavi A. Tembhurne</u>, Ajaz Ali, Hatim F. Dagainawala, Lokendra R. Singh, Rajpal S. Kashyap</p> <p>Biochemistry Research Laboratory, Dr. G. M. Taori Central India Institute of Medical Research, Nagpur, India.</p>
PS1-17	<p>Rapid diagnosis and treatment follow up of human brucellosis by SYBR green based quantitative real-time polymerase chain reaction (qRT-PCR)</p> <p><u>Shalini Thakur</u>¹, JS Bedi¹, Randhir Singh¹, JPS Gill¹, AK Arora² and Neeraj Kashyap³</p> <p>¹School of Public Health and Zoonoses, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana-141004, Punjab, India; ²Department of Veterinary Microbiology, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana-141004, Punjab, India; ³Department of Animal Breeding and Genetics, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana-141004, Punjab, India.</p>
PS1-18	<p>Human Brucellosis: Seroprevalence, diagnosis and treatment.</p> <p><u>Chandel B S</u>¹, Chauhan H C¹, Patel K B¹, Patel B K¹, Patel A C¹, Patel S S¹, Shrimali M D¹ and Shah Mayank²</p> <p>¹Department of Animal biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India. ²MD(Medicine), Shah's Medical and Cardiac Hospital, Palanpur-385001 - Gujarat - India</p>
PS1-19	<p>Discussion of the rationale for urgent need of a national study for accurate nationwide estimates of human brucellosis in India</p> <p><u>S. Yadav</u>¹, Sanjeev Gupta¹ and Karuna Yadav²</p> <p>¹ National Institute of Occupational Health (ICMR), Meghani Nagar, Ahmedabad, Gujarat, India; ² Amity Institute of Virology and Immunology, Amity University, Noida, UP, India</p>
PS1-20	<p>Neurobrucellosis –Microbiological and clinical evaluation</p> <p><u>Nagarathna S</u>¹, Sayani Maji¹, Veenakumari HB¹, Netravathi M², Rajeshwari Shome³, Ravikumar R¹ and Satish Chandra P²</p> <p>¹Department of Neuromicrobiology NIMHANS, Bangalore, Karnataka, India; ²Department of Neurology NIMHANS, Bangalore, Karnataka, India; ³ NIVEDI, Senior Scientist, Bangalore, Karnataka, India.</p>

Session 2: Host-Pathogen Interactions (8 presentations)

Poster No.	Title/author
PS2-1	<p>PMNs as “Trojan horse” vehicles for <i>Brucella abortus</i> persistence in murine bone marrow</p> <p><u>Cristina Gutiérrez-Jiménez</u>¹, Ricardo Mora-Cartín¹, Carlos Chacón-Díaz³, Esteban Chaves-Olarte^{1,3}, Edgardo Moreno^{1,2}, Elías Barquero-Calvo^{1,3}.</p> <p>¹Programa de Investigación en Enfermedades Tropicales, Universidad Nacional, Heredia, Costa Rica; ²Instituto Clodomiro Picado, Facultad de Microbiología, Universidad de Costa, San José, ³Costa Rica, Centro de Investigación en Enfermedades Tropicales, Universidad de Costa Rica, San José, Costa Rica.</p>
PS2-2	<p>An intron polymorphism of the PTPRT gene is associated with brucellosis susceptibility in Argentinian creole goats</p> <p>Rossi UA¹, Hasenauer FC¹, Caffaro ME², Poli MA² and <u>Rossetti CA</u>¹</p> <p>¹Instituto de Patobiología; ²Instituto de Genética, CICVyA-CNIA, INTA. Nicolás Repetto y de Los Reseros s/n, Hurlingham, Buenos Aires (B1686), Argentina</p>
PS2-3	<p>Patho-physiological response of experimentally infected mice with <i>Brucella abortus</i> S19 vaccine and S19Δper mutant strain</p> <p><u>Khushal Singh Solanki</u>¹, Bipin Kumar², Pawan Kumar³, Dheeraj Pal¹, Monalisa Sahoo³, U K De², K P Singh³, T K Goswami ⁴and Pallab Chaudhuri⁵</p> <p>¹Division of Veterinary Biotechnology; ²Division of Veterinary Medicine,; ³Division of Veterinary Pathology,; ⁴Immunology Section; ⁵Division of Bacteriology and Mycology, ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly (UP), INDIA</p>
PS2-4	<p>Infection of Human Placental Trophoblast by <i>Brucella papionis</i>.</p> <p>Karellen B. García-Méndez¹, Vilma Arce-Gorvel², Jean-Pierre Gorvel², David O’Callaghan D¹ and <u>Anne Kerie</u>¹.</p> <p>¹Inserm U1047, Université de Montpellier, Nîmes France; ²Centre d’Immunologie de Marseille-Luminy, Aix-Marseille Université UM2,</p>
PS2-5	<p>Omp31 plays an important role on outer membrane properties and intracellular survival of <i>Brucella melitensis</i> in murine macrophages and HeLa cells</p> <p><u>Verdiquel-Fernández, L</u>¹, Oropeza-Navarro R², Castañeda-Ramírez A³ and Verdugo-Rodríguez A¹.</p> <p>¹Laboratorio de Microbiología Molecular. Departamento de Microbiología e Inmunología, Facultad de Medicina Veterinaria y Zootecnia, UNAM, Ciudad de México; ²Departamento de Microbiología Molecular, Instituto de Biotecnología, UNAM, Cuernavaca Morelos; ³Departamento de Zootecnia, Universidad Autónoma de Chapingo, Estado de México.</p>
PS2-6	<p>Chronic low grade Th1 inflammation generated by <i>Brucella</i> infection induces selective alterations of marginal zone macrophages in spleen</p> <p><u>Jean-Jacques Letesson</u>¹, Arnaud Machelart¹, Abir Khadrawi¹ and Eric Muraille²</p> <p>¹Unité de Recherche en Biologie des Microorganismes, Laboratoire d’Immunologie et de Microbiologie, Université de Namur. Namur, Belgium; ²Laboratoire de Parasitologie, Université Libre de Bruxelles, Campus Erasme, Bruxelles. Belgique.</p>

PS2-7	<p>SytV gene silencing and its effect on early stages in phagocytosis in human macrophages infected by <i>Brucella melitensis</i></p> <p>Ordoñez-López L¹, Oropeza-Navarro R², Castañeda-Ramírez A³, González-Noriega A⁴, Verdugo-Rodríguez A¹.</p> <p>¹Departamento de Microbiología e Inmunología, Laboratorio de Microbiología Molecular, Facultad de Medicina Veterinaria y Zootecnia, UNAM. Ciudad de México; ²Departamento de Microbiología Molecular, Instituto de Biotecnología, UNAM. Cuernavaca, Morelos; ³Departamento de Zootecnia, Universidad Autónoma de Chapingo, Estado de México; ⁴Departamento de Biología Celular y Fisiología, Instituto de Investigaciones Biomédicas, UNAM. Ciudad de México.</p>
PS2-8	<p>MbfA, an Iron Export System in <i>Brucella</i> Providing a Novel Iron-mediated Mechanism for Resistance Against the Immune System</p> <p>Moon, C.^{1,2}, Ireland, P.², Lindars, M., Lewis, J.T.M., Wynne, L.M., Pohl, E.,³ Karatzas, K.A.,⁴ East, J.M.⁵, Atkins, H.² and <u>Andrews, S.C.</u>¹</p> <p>¹School of Biological Sciences, or ⁴Food & Nutritional Sciences, University of Reading, Whiteknights, Reading, RG6 6AJ, UK; ²Department of Biomedical Sciences, Defence Science and Technology Laboratory, Porton Down, Salisbury SP4 0JQ, UK; ³ Department of Chemistry, University of Durham, Durham, DH1 3LE; ⁵Centre for Biological Sciences, University of Southampton, Southampton SO17 1BJ, UK.</p>

Session 3: Epidemiology (15 Presentations)

Poster No.	Title/Authors
PS3-1	<p>Assessment of cattle brucellosis surveillance from 2011-2013 in the Republic of Armenia</p> <p>Hovik S. Batikyan <i>The "Food Safety State Service" of the Ministry of Agriculture of the Republic of Armenia, Yerevan, Republic of Armenia</i></p>
PS3-2	<p>Herd and Individual Prevalence of Brucellosis in Georgia</p> <p><u>Tengiz Chaligava</u>, Otar Parkadze, Lasha Avaliani <i>National Food Agency of the Ministry of Agriculture of Georgia, Tbilisi, Georgia</i></p>
PS3-3	<p>Determination of the Geographical Distribution of Brucellosis in Georgia Using Geographic Information Systems</p> <p>S. Chubinidze, <u>M. Grdzeliidze</u>, M. Ramishvili, Sh. Tsanava, P. Imnadze <i>National Center for Disease Control and Public Health, Tbilisi, Georgia</i></p>
PS3-4	<p>Sero-prevalence of Brucellosis in Mithun</p> <p><u>Sakshi Dubey</u>¹, Bhoj R Singh¹, Vidya Singh², DK Sinha¹ and Vinodh Kumar OR¹ <i>¹Division of Epidemiology, and ²Division of Pathology, Indian Veterinary Research Institute, Izatnagar, Bareilly-243122, India</i></p>
PS3-5	<p>Unusual productive and reproductive behaviour in cows affected with brucellosis – a field study in Odisha, India</p> <p><u>Sourabh Ranjan Hota</u>¹, Niranjana Sahoo¹ and Sarangadhar Satpathy² <i>¹Department of Epidemiology and Preventive Medicine, College of Veterinary Science and Animal Husbandry Orissa University of Agriculture and Technology Bhubaneswar-751003, Odisha, INDIA, ² Additional District Veterinary Officer, Koraput, Odisha, INDIA</i></p>
PS3-6	<p>Epidemiological investigation and molecular detection of <i>Brucella</i> spp. in cattle at Mymensingh district of Bangladesh</p> <p><u>Md. Ariful Islam</u>, Ismail Hossain, Mst Minara Khatun, Sukumar Saha <i>Department of Microbiology & Hygiene, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh</i></p>
PS3-7	<p>Seroprevalence of brucellosis in goats at the selected areas of Mymensingh district</p> <p><u>Mst Minara Khatun</u>, Most. Arjina Khatun, Md. Mahmudul Hasan, Md. Ariful Islam <i>Department of Microbiology & Hygiene, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh</i></p>
PS3-8	<p>Risk analysis of concurrent occurrence of Brucellosis and Infectious Bovine Rhinotracheitis in organized dairy farms</p> <p><u>P. Krishnamoorthy</u>, Rajeswari Shome, S.S. Patil, G. Govindaraj, B.R. Shome <i>ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI), Bengaluru, India</i></p>

PS3-9	<p>Surveillance of brucellosis in organized farms of cattle, buffalo and goat using RBPT and indirect ELISA</p> <p><u>Dinesh Mittal</u>, Mahavir Singh, Juhi and N.K. Mahajan</p> <p><i>College Central Laboratory, College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar, Haryana, India 125 004.</i></p>
PS3-10	<p>Molecular Epidemiology of <i>Brucella abortus</i> isolated from cattle in Brazil, 2009 – 2013</p> <p>Mayra Silva Oliveira¹, <u>Elaine Maria Seles Dorneles</u>^{1,2}, Paulo Martins Soares Filho³, Antônio Augusto Fonseca Junior³, Livia Orzil³, Patrícia Gomes de Souza³, Andrey Pereira Lage¹</p> <p>¹Universidade Federal de Minas Gerais, Belo Horizonte, Brazil; ²Universidade Federal de Lavras, Lavras, Brazil; ³Laboratório Nacional Agropecuário, Pedro Leopoldo, Brazil</p>
PS3-11	<p>Clinico and Molecular Epidemiological Characteristics study of Brucellosis in Animals.</p> <p><u>Kirit B Patel</u>¹, Chauhan H C², Patel B K², Patel S S², Shrimali M D², Kala J K², Patel Maulik G², Rajgor M², Shome Rajeshwari³ and Chandel B S²</p> <p>¹Junior Research Fellow, DBT network project on Brucellosis, Department of Animal Biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India; ²Department of Animal biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India; ³Principal Scientist, NIVEDI, Bengaluru, India</p>
PS3-12	<p>Sero-prevalence of brucellosis among goats and humans in and around border areas of Jammu region, J&K, India.</p> <p><u>H. K Sharma</u>, Vijay Sharma, S.K Kotwal, Arvind Kumar, M.A Malik and Maninder Singh</p> <p><i>Sher-e-Kashmir University of Agricultural Sciences and Technology-Jammu, Jammu & Kashmir, India</i></p>
PS3-13	<p>Identification of potential risk factors for bovine brucellosis in organized farms of Karnataka, India</p> <p>Shome, R.¹, Suresh, K. P.¹, <u>Krithiga, N.</u>¹, <u>Mangadevi, N.</u>¹, Padmashree, B. S. ¹, Reshma, K.¹, Nagalingam, M.¹, Shome, B. R.¹ and Rahman, H.²</p> <p>¹ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI) Bengaluru, India; ²Indian Council for Agricultural Research (ICAR), New Delhi, India.</p>
PS3-14	<p>Record of seroprevalence status of brucellosis in small ruminants: A study from 2006-2015</p> <p>Shome, R., Hemadri, D., Suresh, K. P., Chaithra, Y., Ranjitha, S., Kanaka, S., <u>Triveni, K.</u>, Swati, S., Krithiga, N., Mangadevi, N., Nagalingam, M., Shome, B. R. and Rahman, H.</p> <p><i>ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Ramagondanahalli, Yelahanka, Bangalore-560 064</i></p>

PS3-15	<p>Serological, cultural, and molecular evidence of Brucella infection in goats in Al Jabal Al Akhdar, Sultanate of Oman</p> <p><u>Yasmin ElTahir</u>¹, Ghalya Al Toobi¹, Waleed Al-Marzooqi¹, Jay Maryne², Osman M. Gaafar¹, Shekar Bose³, Yannick Corde² and Eugene H.Johnson¹</p> <p><i>¹Sultan Qaboos University, College of Agricultural & Marine Sciences, Department of Animal & Veterinary Sciences, P.O.box 34, 123 Alkhod, Sultanate of Oman; ²French Agency for Food, Environmental, and Occupational Health and Safety, Maisons-Alfort, France; ³Sultan Qaboos University, College of Agricultural & Marine Sciences, Department of Natural Resources Economics</i></p>
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Session 4: Diagnostics (26 presentations)

Poster No.	Title/Authors
PS4-1	<p>Serological, Bacteriological, Molecular Techniques for Diagnosis of Brucellosis in sheep</p> <p><u>Chandel B S</u>, Chauhan H C, Patel Bharat K, Patel Kirit B, Patel Sanjiv I, Shrimali M D, Patel S S</p> <p><i>Department of Animal biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India.</i></p>
PS4-2	<p>Differential diagnostic methods to identify Rose Bengal false positive samples</p> <p><u>K. Goginashvili</u>, T. Tigilauri, N. Toklikishvili, M. Donduashvili</p> <p><i>Laboratory of the Ministry of Agriculture, Tbilisi, Georgia</i></p>
PS4-3	<p>Comparison of RBPT, STAT and rapid lateral flow immunochromatographic assay against indirect ELISA for diagnosis of bovine brucellosis</p> <p><u>Sourabh Ranjan Hota</u>¹, Niranjana Sahoo¹ and Sarangadhar Satpathy²</p> <p>¹<i>Department of Epidemiology and Preventive Medicine, College of Veterinary Science and Animal Husbandry, Orissa University of Agriculture and Technology, Bhubaneswar-751003, Odisha, INDIA;</i> ²<i>Additional Chief District Veterinary Officer, Koraput, Odisha, INDIA</i></p>
PS4-4	<p>A pilot study evaluation of lateral flow assay – a point of care diagnostic for brucellosis</p> <p><u>Kavya. B. A</u>¹, <u>Veeregowda. B. M</u>¹, <u>Rajeswari Shome</u>², <u>Leena Gowda</u>¹, <u>Suresh, K. P</u>² and <u>Gajendragad M. R.</u>²</p> <p>¹<i>Karnataka Veterinary Animal and Fisheries Sciences University (KAVFSU), Hebbal, Bengaluru-560024, Karnataka, India;</i> ²<i>ICAR- National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Yelahanka, Bengaluru-560064, Karnataka, India.</i></p>
PS4-5	<p>Evaluation of Usage Indirect ELISA Using Antigens from Two Different <i>Brucella</i> Strains in Serological Diagnosis of <i>Brucella canis</i> infection</p> <p><u>Oktay KESKİN</u>¹, <u>Sevil Erdenliğ Gürbilek</u>¹, <u>Osman Yaşar TEL</u>¹</p> <p>¹ <i>Harran University, Faculty of Veterinary Medicine Microbiology Department, 63200, Şanlıurfa, Turkey</i></p>
PS4-6	<p>Development of multiplex real-time PCR assay for the detection of <i>Brucella abortus</i>, <i>Bovine Herpesvirus 1</i> and <i>Leptospira spp.</i> causing abortion in cattle and buffalo</p> <p><u>Aman Kumar</u>, Trilok Nanda, Vinay Kumar and Sushila Maan</p> <p><i>Department of Animal Biotechnology, LUVAS, Hisar, Haryana, India.</i></p>
PS4-7	<p>Detection of <i>Brucella spp.</i> in ruminants and human beings using TaqMan probe based real-time PCR and serological test.</p> <p><u>Aman Kumar</u>¹, <u>Sushila Maan</u>¹, <u>Nitish Bansal</u>¹, <u>Mahaveer Singh</u>², <u>Vinay Kumar</u>¹, <u>Dinesh Mital</u>², <u>Trilok Nanda</u>¹ and <u>Nand. K.Mahajan</u>³</p> <p>¹<i>Department of Animal Biotechnology, LUVAS;</i> ²<i>CCL, LUVAS;</i> ³<i>Department of VPHE, LUVAS, Hisar, Haryana, India.</i></p>

PS4-8	<p>A novel close-tube Loop mediated isothermal Amplification (Br-LAMP) assay for rapid detection of <i>Brucella</i></p> <p>Adarsh Mishra¹, Prasad Thomas², Lalit Mohan Jeena¹, Soni Doimari¹, S Rajagunalan¹, Aditya Prasad Sahoo³ and Dharendra Kumar Singh¹</p> <p>¹Division of Veterinary Public Health; ²Division of Veterinary Bacteriology and Mycology; ³Division of Animal Biotechnology, Indian Veterinary Research Institute, Izatnagar, Bareilly-243122, UP, India.</p>
PS4-9	<p>CITA enrichment broth is suitable for the direct isolation of <i>Brucella</i> spp. from field contaminated samples and for direct PCR</p> <p>Muñoz P.M.¹, De Miguel M.J.¹, Zúñiga-Ripa, A.² Moriyón I. E.², Blasco J.M.¹</p> <p>¹Instituto Agroalimentario - Centro de Investigación y Tecnología Agroalimentaria de Aragón (IA2-CITA), Zaragoza, Spain; ²Instituto de Salud Tropical. Departamento de Microbiología y Parasitología. Universidad de Navarra, Spain.</p>
PS4-10	<p>Evaluation of filter papers as a novel method for transportation of specimen for diagnosis of brucellosis in animals</p> <p>A. Prasad¹, V. S. Bahekar¹, Heena T³, F. Mukherjee¹, S. K. Rana¹, KSNL Surendra¹, G. K. Sharma² and V. A. Srinivasan²</p> <p>¹National Dairy Development Board, R&D Laboratory, Gachibowli, Hyderabad 500032, Telangana, India; ²National Dairy Development Board, Anand 388001, Gujarat, India; ³Jawaharlal Nehru Technological University, Hyderabad 500085, Telangana, India</p>
PS4-11	<p>Detection of <i>Brucella</i> spp. in milk by fluorescence <i>in situ</i> hybridization</p> <p>Alexander Rohde, Jens Andre Hammerl, Anna-Louisa Hauffe, Katharina Sobottaand Sascha Al Dahouk</p> <p>Federal Institute for Risk Assessment, Berlin, Germany</p>
PS4-12	<p>Establishing a standard reference sera panel for validating sero-diagnostic tests for <i>Brucella</i></p> <p>Malini K. Selvan¹, R.P. Aravindh Babu¹, G. Dhinakar Raj¹, Rajeswari Shome², H. Rahman³ and K.G. Tirumurugan¹</p> <p>¹Translational Research Platform for Veterinary Biologicals, Centre for Animal Health Studies, TANUVAS, MMC, Chennai, Tamil Nadu. India; ²ICAR-NIVEDI, Ramagondanahalli, Yelahanka, Bengaluru, Karnataka. India; ³Deputy Director General (Animal Science), ICAR, Krishi Bhavan, New Delhi. India</p>
PS4-13	<p>Isolation and identification of <i>Brucella</i> spp. from farm animals.</p> <p>Sharma N S, Paviter Kaur, Sandhu Y, Arora A K and Chandra M.</p> <p>Department of Veterinary Microbiology, GADVASU, Ludhiana-141004</p>
PS4-14	<p>Serum PCR for the diagnosis of brucellosis in dairy animals</p> <p>Sharma N S, Paviter Kaur, Sandhu Y, Arora A K and Chandra M.</p> <p>Department of Veterinary Microbiology, GADVASU, Ludhiana-141004</p>

PS4-15	<p>Cloning and expression of the immunoreactive <i>Brucella melitensis</i> 31kDa outer-membrane protein (Omp31) encoding gene for clinical diagnosis of ovine brucellosis</p> <p><u>Ajay Singh</u>¹, Amit Kumar Verma² and Amit Kumar³</p> <p>¹College of Biotechnology,; ²Department of Epidemiology and Veterinary Public health; ³Department of Microbiology, Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evum Go-Anusandhan Sansthan (DUVASU), Mathura, India – 281001</p>
PS4-16	<p>Cloning, expression, purification and immunochemical characterization of <i>Brucella abortus</i> 28kDa Omp encoding gene</p> <p>Deepti Singh¹, <u>Amit Kumar Verma</u>², Amit Kumar³, S. K. Yadav³ and Rajesh Nigam¹</p> <p>¹College of Biotechnology; ²Department of Veterinary Epidemiology and Preventive Medicine,; ³Department of Veterinary Microbiology, Uttar Pradesh Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evum Go-Anusandhan Sansthan (DUVASU), Mathura, India – 281001</p>
PS4-17	<p>Comparative study of two recombinant antigens of <i>Brucella abortus</i> for diagnosis of bovine brucellosis</p> <p><u>Arvind Kumar Tiwari</u>¹, Vijai Pal¹, Subodh Kumar¹, Bhupendra Bharadwaj², Chandrasekhar Bhatnagar², Deepak Sharma² and Ganga Prasad Rai¹</p> <p>¹Division of Microbiology, Defence Research & Development Establishment, Gwalior, India; ²Regional Animal Disease Diagnostic Centre, Udaipur, India.</p>
PS4-18	<p>PCR based detection of <i>Brucella abortus</i> in aborted cattle</p> <p><u>V. Naveen Kumar</u>¹, M. Vijaya Bharathi¹, K. Porteen², P. Raja³ and S. Suresh Kannan⁴</p> <p>¹Department of Veterinary Preventive Medicine; ²Department of Veterinary Public Health and Epidemiology; ³Department of Animal Biotechnology, Madras Veterinary College, Chennai, India; ⁴Department of Veterinary Public Health and Epidemiology, Veterinary College Research Institute, Orathanadu, India</p>
PS4-19	<p>Detection of <i>Brucella</i> organism from suspected clinical samples by PCR.</p> <p><u>Shrimali M D</u>, Patel S S, Chauhan H C, Shah N M, Patel A C, Patel B.K, Patel K B, Patel M A, Rajgor M Cand Chandel B S</p> <p>Department of Animal biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar - Dantiwada, Gujarat, India</p>
PS4-20	<p>Recombinant <i>Brucella</i> Lumazine Synthase (BLS) antigen-based indirect ELISA for the sero-diagnosis of brucellosis in animals and humans</p> <p>Leena, G¹, Isloor, S², Rajeshwari Shome⁴, Reddy, G. R³, Rathnamma, D², M.R. Jayashankar² and Veeregowda, B.M²</p> <p>¹Associate Professor and Head, Dept of Veterinary Public Health and Epidemiology, Veterinary College, Hebbal, Bengaluru, India; ²Veterinary College, Hebbal, Bengaluru, India; ³IVRI, Hebbal, Bengaluru, India; ⁴NIVEDI-ICAR, Bengaluru, India.</p>
PS4-21	<p>Assessment of laboratory diagnosis and field screening test for identifying brucellosis in herds with reproductive disorders</p> <p><u>K. M. S. G. Weerasooriya</u>, P. S. Fernando, N. Liyanagunawardena and M.I. Wijemuni</p> <p>Veterinary Research Institute, Peradeniya, Sri Lanka</p>

PS4-22	<p>Development of Simple, Rapid and Inexpensive Point of Care Dip stick Diagnostic kit for Brucellosis to screen milk and body fluids</p> <p>Revathi Poonati¹, Prudhvi Chand Mallepaddi¹, Padma Singh², S.R . Rao² Rajeswari Shome³, H. Rahman⁴, and <u>Rathnagiri Polavarapu</u>¹</p> <p>¹Genomix Molecular Diagnostics Pvt.Ltd, 5-36/207, Prashanthinagar, Kukatpally, Hyderabad- 500072, India; ²Department of Biotechnology, Ministry of Science & Technology, Block-2, CGO Complex,Lodi Road, New Delhi; ³ICAR- National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI) Ramagondanahalli, Post Box No. 6450, Yelahanka, Bengaluru-560064, Karnataka, India; ⁴Indian Council of Agricultural Research, Krishi Bhawan, New Delhi- 110 001</p>
PS4-23	<p>Membrane Filters Used to Stabilize Biological Samples for Brucellosis Disease Diagnosis in Economically Challenged Areas.</p> <p><u>Prudhvi Chand Mallepaddi</u>^{1,2}, Revathi Poonati¹, Sudhakar Podha² and Rathnagiri Polavarapu¹</p> <p>¹Genomix Molecular Diagnostics Pvt.Ltd, 5-36/207, Prashanthinagar, Kukatpally Hyderabad, Andhra Pradesh. ² Department of Biotechnology, Acharya Nagarjuna university, Nagarjuna nagar, Guntur, Andhra Pradesh</p>
PS4-24	<p>Comparison of serological tests based on microbiological culture for the diagnosis of canine brucellosis</p> <p><u>Eun Ji Yum</u>¹, Jin Ju Lee¹, So-Ra Sung¹, Se Chul Kim¹, Sung JinSeo¹, Suk Chan Jung¹ and Moon Her¹</p> <p>Animal and Plant Quarantine Agency, Gimcheon-si, Gyeongsangbukdo, 39660, Republic of Korea</p>
PS4-25	<p>Evaluation of storage stability in LPS antigen for indirect milk-ELISA screening dairy brucellosis.</p> <p><u>Jin Ju Lee</u>¹, Ji-Yeon Kim¹, So-Ra Sung¹, Eun Ji Yum¹, Se Chul Kim¹, Sung Jin Seo¹, Hee Su Lee¹ and Moon Her¹</p> <p>Animal and Plant Quarantine Agency, Gimcheon-si, Gyeongsangbuk-do, 39660, Republic of Korea</p>
PS4-26	<p>Specific identification of the genus <i>Brucella</i> using SNP of bcsp 31</p> <p><u>Se-Chul Kim</u>¹, Jin-Ju Lee¹, So-Ra Sung¹, Eun Ji Yum¹, Sung Jin Seo¹, Suk Chan Jung¹ and Moon Her¹</p> <p>Animal and Plant Quarantine Agency, Gimcheon-si, Gyeongsangbuk-do, 39660, Republic of Korea</p>

Session 5: Control and Eradication (14 Presentations)

Poster No.	Title/Authors
PS5-1	<p>Evaluation of immune response against reduced dose of <i>Brucella abortus</i> strain 19 vaccine administered through conjunctival route in cattle</p> <p><u>Chaithra, Y.</u>¹, Isloor, S.¹, Shivaram, B. ², Suryaprasad ,V.², Rathnamma, D.¹, K. Srinivas², Veeregowda, B. M.¹, Narayanaswamy, H. D.³, Shome, B. R.⁴ and Kundan, S. P. ²</p> <p>¹Department of Microbiology,³ Department of Pathology, Veterinary College, KVAFSU, Hebbal, Bangalore-560 024; ²Indian Immunologicals Ltd., Gachibowli, Hyderabad-500 032; ⁴ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Ramagondanahalli, Yelahanka, Bangalore-560 064</p>
PS5-2	<p>A trivalent vaccine candidate against brucellosis.</p> <p><u>Sonal Gupta</u>, Damini Singh and Rakesh Bhatnagar School of Biotechnology, Jawaharlal Nehru University, New Delhi, India.</p>
PS5-3	<p>The possibility of applying vaccination within the framework of combating brucellosis in Armenia</p> <p><u>Tigran H. Markosyan</u> "Scientific center for risks assessment and analysis in food safety area" State non-commercial organization, Yerevan, Republic of Armenia</p>
PS5-4	<p>Sustained release of the <i>Brucella</i> antigen rOMP28 from PLGA microspheres abrogates virulent <i>Brucella abortus</i> 544's zoonotic infection</p> <p><u>Damini Singh</u>, Himanshu Gogoi and Rakesh Bhatnagar Jawaharlal Nehru University, New Delhi, India</p>
PS5-5	<p>OMVs of <i>Brucella abortus</i> S19 and S19Δper mutant confer poor protection against virulent challenge</p> <p><u>Khushal Singh Solanki</u>¹, Gurpreet Kuar² and Pallab Chaudhuri²</p> <p>¹Division of Veterinary Biotechnology, ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly (UP), INDIA; ²Division of Bacteriology and Mycology, ICAR-Indian Veterinary Research Institute, Izatnagar-243122, Bareilly (UP), INDIA</p>
PS5-6	<p>Rough <i>Brucella neotomae</i> and <i>Brucella suis</i> overexpressing GnRH and FSH: A novel <i>Brucella</i> immunocontraception vaccine</p> <p><u>Waldrop, S.G.</u>, Smith, G.P., Jain-Gupta, N., Boyle, S.M., Sriranganathan, N. Virginia-Maryland College of Veterinary Medicine at Virginia Tech, Blacksburg, VA, USA</p>
PS5-7	<p>Diagnostics and results of serological monitoring for brucellosis among large and small cattle in Azerbaijan</p> <p>Shalala Zeynalova Republican Veterinary Laboratory, Azerbaijan, Baku</p>
PS5-8	<p>Subunit vaccine for brucellosis: combining promising immunogens with the old and new generation of approved vaccine adjuvants</p> <p><u>Rakesh Bhatnagar</u>, Divya Goel, Damini Singh and Sonal Gupta School of Biotechnology, Jawaharlal Nehru University, New Delhi, India</p>

PS5-9	<p>Antimicrobial Drug Resistance Patterns of <i>Brucella abortus</i> and <i>Brucella melitensis</i> Strains Isolated from Cases of Abortion</p> <p><u>Bhoj R Singh</u>¹, Karam Pal Singh², DK Sinha¹, Sakshi Dubey¹, Vinodh Kumar OR¹</p> <p>¹<i>Division of Epidemiology;</i> ²<i>Centre for Animal Disease Research and Diagnosis, Indian Veterinary Research Institute, Izatnagar, Bareilly-243122, India</i></p>
PS5-10	<p>Brucellosis Control: Towards a holistic, one health model</p> <p><u>Sagar Shroff</u> and A V Hari Kumar</p> <p><i>National Dairy Development Board (NDDB), Anand, Gujarat, India</i></p>
PS5-11	<p>Comparative analysis of S19Δper and S19Δrfd as potential <i>Brucella</i> vaccine candidates</p> <p><u>Pallab Chaudhuri</u></p> <p><i>Genetic Engineering Lab., Division of Bacteriology, ICAR-Indian Veterinary Research Institute, Izatnagar – 243122, India</i></p>
PS5-12	<p>Role of ICAR-NIVEDI in Bovine Brucellosis Control Program in India</p> <p>Rajeswari Shome¹, Nagalingam, M¹, Ranjitha Shekar¹, Kanaka, S¹, Shome B. R.¹, Triveni, K¹, Bambal R. G.², Lipi Saiwal² and Rahman H³.</p> <p>¹<i>Indian Council of Agricultural Research-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Ramagondanahalli, Yelahanka, Bengaluru, India-560 064;</i> ²<i>Ministry of Agriculture and Farmers Welfare, Department of Animal Husbandry, Dairying & Fisheries, Krishi Bhavan, New Delhi-110 001;</i> ³<i>Animal Science Division, ICAR, Krishi Bhavan, New Delhi-110 001</i></p>
PS5-13	<p>Nanosized formulation based on rL7/L12 and Pam2cys imparts better protection against experimental brucellosis</p> <p><u>Faraz Ahmad</u>¹, Swaleha Zubair², Raj Kumar Singh³, Pallab Chaudhuri³ and Mohammad Owais¹</p> <p>¹<i>Interdisciplinary Biotechnology Unit, Aligarh Muslim University (AMU), Aligarh, India;</i> ²<i>Women's College, Aligarh Muslim University (AMU), Aligarh, India;</i> ³<i>Indian Veterinary Research Institute (IVRI), Bareilly, India</i></p>
PS5-14	<p>Study on immunogenicity of <i>Brucella abortus</i> S19 phage lysate in mice model</p> <p><u>Prajapati, A.</u>¹, Shome, R.¹, Verma, H.², Durairajan, R.², Saxena H.M.³ and Rawat M.²</p> <p>¹<i>ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Bengaluru-560064, Karnataka, India;</i> ²<i>Division of Bacteriology & Mycology, Indian Veterinary Research Institute, Izatnagar-243 122, Uttar Pradesh, India;</i> ³<i>The College of Veterinary Science, GADVASU, Ludhiana141004, Punjab, India</i></p>

Session 6: Brucellosis in India (20 presentations)	
Poster No.	Title/author
PS6-1	<p>Epidemiology of brucellosis in an occupationally exposed group in Punjab, India</p> <p><u>J.S Bedi</u>^{1*}, H. R. Holt², J.P.S. Gill¹, Paviter Kaur¹, Prabhdeep Kaur¹, N.S. Sharma¹, J. Guitian² and P. Mangtani³</p> <p>¹Guru Angad Dev Veterinary and Agricultural Sciences University, Ludhiana, India; ²Royal Veterinary College, London, UK, ³London School of Hygiene and Tropical Medicine, London, UK</p>
PS6-2	<p>Status of Brucellosis Infection in Jaffarabadi Buffalo of Gujarat</p> <p><u>Suresh Gokhale</u>¹, Satish Kumar² and David Hume³</p> <p>¹BAIF Central Research Station Uruli Kanchan Pune 412202, India; ²Centre for Cellular and Molecular Biology, Hyderabad-500007, India; ³The Roslin Institute, The University of Edinburgh, Easter Bush Midlothian, EH25 9RG, Scotland, UK</p>
PS6-3	<p>Seroprevalence study of <i>Brucella</i> infection amongst cattle population in and around Rewa district</p> <p><u>Vandana Gupta</u>¹, Namrata Singh² and Megha Katare³</p> <p>¹Department of Veterinary Microbiology, College of Veterinary Science and Animal Husbandry, Rewa, NDVSU, Jabalpur-48200, India; ²Department of Veterinary Microbiology, College of Veterinary Science and Animal Husbandry, Rewa, NDVSU, Jabalpur-482001, India; ³Department of Veterinary Pathology, College of Veterinary Science and Animal Husbandry, Anjora, Durg-491001, India</p>
PS6-4	<p>A study to identify habits of cattle keepers that lead to spread of infection and the prevalence of <i>Brucella</i>-specific antibodies among the Buffalo population of Delhi.</p> <p>Nimita Kant, Rashmi Singh, Anuradha Mal and <u>Parul Kulshreshtha</u></p> <p><i>Shivaji College, University of Delhi, Delhi, India</i></p>
PS6-5	<p>Isolation and Identification of <i>B. melitensis</i> from sheep and goat flock from Akola, Maharashtra</p> <p><u>N V Kurkure</u>¹, Satyajit Kale¹, S P Awandkar¹, Amol Sahare¹, Chhaya Sonekar¹, Smita Bhojar¹, Neha Paliawal¹, Shilpshri Shinde¹, V P Pathak² and S P Chudhari¹</p> <p>¹DBT Network Project on Brucellosis (BE-7), Nagpur Veterinary College, Nagpur; ²Post Graduate Institute of Veterinary and Animal Sciences, AKOLA, Maharashtra Animal and Fishery Sciences University, Nagpur 440006 India</p>
PS6-6	<p>Seroprevalence of brucellosis in bovines of Chhattisgarh region</p> <p><u>Lata Jain</u>¹, Vinay Kumar¹, Sameer Chaturvedi¹, Gautum Roy², S. B. Barbuddhe¹ and Mamta Tigga¹</p> <p>¹ ICAR-National Institute of Biotic Stress Management, Baronda, Raipur, Chhattisgarh, India; ²Directorate of Veterinary Services, Raipur, Chhattisgarh, India</p>
PS6-7	<p>Monoclonal antibody based blocking ELISA for detection of <i>Brucella</i> antibodies in Indian livestock population</p> <p><u>Maroudam V</u>¹, Venkataraman K¹, B. Mohana Subramanian¹, Antonio José Sanz Fernández², Ángel Venteo Moreno² and G. Dhinakar Raj¹</p> <p>¹Translational Research Platform for Veterinary Biologicals, TANUVAS, Chennai, India; ²Ingenasa, C/ Hermanos García Noblejas, 39, 28037, Madrid, Spain</p>

PS6-8	<p>Sero- surveillance of bovine brucellosis in selected districts of Tamil Nadu, India</p> <p>V. Naveen Kumar¹, M. Vijaya Bharathi¹, K. Porteen² and B.S. Pradeep Nag³</p> <p>¹Department of Veterinary Preventive Medicine; ²Department of Veterinary Public Health and Epidemiology; ³Department of Veterinary Obstetrics and Gynaecology, Madras Veterinary College, Chennai, India</p>
PS6-9	<p>Sero-prevalence of <i>Brucella abortus</i> infection in nomadic flocks of small ruminants in South Gujarat</p> <p>Manish Patel¹, Mahesh Prajapati², Kuldeep Tyagi³ and Lalitchandra Sorathiya³</p> <p>¹Associate Professor, Livestock Research Station, Navsari Agricultural University, Navsari, Gujarat-396450, India; ²Deputy Director, Department of Animal Husbandry, Navsari District Panchayat, Gujarat-396445, India; ³Assistant Research Scientist(s), Livestock Research Station, Navsari Agricultural University, Navsari, Gujarat-396450, India</p>
PS6-10	<p>Seroprevalence of brucellosis in cattle & buffaloes in Gujarat, India</p> <p>Patel S S¹, Shrimali M D², Chauhan H C², Patel A C², Patel B. K², Patel K B², Patel M G², Kala J K² and Chandel B S²</p> <p>¹Assistant Professor, Department of Veterinary Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India; ²Department of Animal biotechnology and Microbiology, COVSc&AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India</p>
PS6-11	<p>Small ruminant brucellosis: serological survey in Southern Gujarat, India</p> <p>Dharmesh R. Patel, Kishan Kumar Sharma, Pramod S. Sakhare and Irsadullakhan H. Kalyani</p> <p>Department of Veterinary Microbiology, Vanbandhu College of Veterinary Science and Animal Husbandry, Navsari, Agricultural University, Navsari -Gujarat-India -396450</p>
PS6-12	<p>Prevalence of bovine brucellosis in district Ludhiana</p> <p>V Proch, BB Singh and JPS Gill</p> <p>School of Public Health & Zoonoses, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab 141004, India</p>
PS6-13	<p>Comparison of STAT, RBPT, ELISA AND PCR tests for diagnosis of human brucellosis in and around Kolkata, India</p> <p>Prabir Kuila and Satadal Das</p> <p>Brucella Research Laboratory, Peerless Hospital and B. K. Roy Research Centre, Kolkata, India.</p>
PS6-14	<p>Serological and molecular diagnosis of brucellosis in cattle in Assam</p> <p>G. K. Saikia, S. K. Das, K. Sharma, N. N. Barman, D. K. Bhattacharyya, P. Konch and A. Boro</p> <p>Department of Veterinary Microbiology, College of Veterinary Science, Assam Agricultural University Guwahati-781022, Assam, India</p>
PS6-15	<p>Epidemiology of <i>Brucella</i> infection in livestock in Assam</p> <p>G. K. Saikia, P. Konch and A. Boro</p> <p>Department of Veterinary Microbiology, College of Veterinary Science, Assam Agricultural University, Guwahati – 781022, Assam, India</p>

PS6-16	<p>Serological detection of brucellosis in bovines of South Gujarat</p> <p><u>Kishan Kumar Sharma</u>, Dharmesh R. Patel, Pramod S. Sakhare and Irsadullakhan H. Kalyani</p> <p><i>Department of Veterinary Microbiology, Vanbandhu College of Veterinary Science and Animal Husbandry, Navsari Agricultural University, Navsari -Gujarat-India -396450.</i></p>
PS6-17	<p>Canine brucellosis antibodies detection and differentiation as smooth vs rough strains in India</p> <p>Shefeena Shereef¹, K.N. Usha Nandhini², V. Maroudam², R. Radhika², P. Preena³, Ramesh⁴, G. Dhinakar Raj² and <u>P.I. Ganesan</u>⁵</p> <p><i>¹Department of Veterinary Preventive Medicine, Madras Veterinary College, TANUVAS, India; ²Translational Research Platform for Veterinary Biologicals, TANUVAS, India; ³Division of Medicine, Indian Veterinary Research Institute, Uttar Pradesh, India; ⁴Vaccine Research Centre-Viral Vaccines, TANUVAS, India; ⁵Centre for Animal Health Studies, TANUVAS, India.</i></p>
PS6-18	<p>Brucellosis amongs livestock population at organized farms from Central India</p> <p><u>Chhaya Sonekar</u>, S.P.Chaudhari, S.B.Barbuddhe, S.P.Awardkar, Vishvas Sherkhane, Amol Sahare, Ruchi Bhate, Smita Bhoyar, Neha Paliwal, Nitin Kurkure, W.A.Khan and Shilpshri Shinde</p> <p><i>Center for Zoonoses, Nagpur Veterinary College, Maharashtra Animal & Fishery Sciences, Nagpur 440006 India</i></p>
PS6-19	<p>Canine brucellosis sero prevalence in Tamil Nadu, India – a preliminary study</p> <p><u>P.I. Ganesan</u>¹, Shefeena Shereef², V. Maroudam³, K.N. Usha Nandhini ³, K.Radhika³ and G. Dhinakar Raj³</p> <p><i>¹Director Centre for Animal Health Studies, Tamilnadu Veterinary and Animal Science University, Chennai; ²MVSc Scholar, Madras Veterinary College, Tamilnadu Veterinary and Animal Science University, Chennai; ³Translational Research Platform for Veterinary Biologicals, Tamilnadu Veterinary and Animal Science University, Chennai.</i></p>
PS6-20	<p>Development of disease transmission models for bovine brucellosis in India</p> <p><u>H. R. Holt</u>¹, W. A. Beauvais^{1,2}, P. Kaur³, J.S. Bedi³, N.S. Sharma³, R. Kumar⁴, P. Mangtani² and J. Guitian¹</p> <p><i>¹Royal Veterinary College, Hertfordshire, UK; ²London School of Hygiene and Tropical Medicine, London, UK, ³Guru Angad Dev Veterinary and Agricultural Sciences University, Ludhiana, India, ⁴Post-graduate Institute of Medical Education and Research, Chandigarh, India</i></p>
PS6-21	<p>A meta-analysis of diagnostic test performance for bovine brucellosis</p> <p>Kavya, B.A, Gajendragad, M.R, Rajeswari Shome, Suresh, K.P, Shome, B.R, Shilpa. M, Chaitra, K. G, and Sowmya, B.</p> <p><i>ICAR- National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Yelahanka, Bengaluru-560064, Karnataka, India</i></p>

Session 7: Genomics, Bioinformatics and Proteomics (10 Presentations)

Poster No.	Title/author
PS7-1	<p>Developing improved epidemiological tools for bovine brucellosis using whole genome sequencing</p> <p><u>Roland Ashford</u>¹, Javier Nunez², Lorraine Perret¹, John McGiven¹, Adrian Whatmore¹</p> <p>¹ OIE/WHO/FAO Brucellosis Reference Laboratory, ²Central Sequencing Unit, Animal and Plant Health Agency (APHA), Addlestone, Surrey, KT15 3NB, United Kingdom</p>
PS7-2	<p>Isolation and molecular characterization of <i>Brucella abortus</i> from cattle and buffaloes in Gujarat, India</p> <p><u>Chauhan H C</u>, Patel B.K, Patel K B, Patel S S, Shrimali M D, Patel A C and Chandel B S</p> <p>Department of Animal Biotechnology and Microbiology, COVSc & AH, SDAU, Sardarkrushinagar-Dantiwada, Gujarat, India</p>
PS7-3	<p>Outer membrane vesicles from <i>Brucella suis</i>.</p> <p><u>Araceli Contreras-Rodríguez</u>¹, Andrea Andrade-Ramírez¹, Eric Daniel Ávila-Calderón², Gilda Díaz Cárdenas¹ and María del Rosario Jovita Morales García³</p> <p>¹Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional, Ciudad de México, México; ²Departamento de Biología Celular. Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional. Ciudad de México, México; ³Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada. Instituto Politécnico Nacional. Querétaro, México</p>
PS7-4	<p>Development of a PNA-FISH assay for the detection of <i>Brucella</i> spp.</p> <p><u>Paviter Kaur</u>¹, Sharma N S¹, Arora A K¹ and Pathak D²</p> <p>¹Department of Veterinary Microbiology, GADVASU, Ludhiana, Punjab, India; ²Department of Veterinary Anatomy, GADVASU, Ludhiana, Punjab, India</p>
PS7-5	<p>Typing of <i>Brucella melitensis</i> isolates from India by Multilocus Variable-Number Tandem-Repeat Analysis (MLVA)</p> <p><u>Gita Kumari</u>¹, D. K. Singh² and M. Suman Kumar³</p> <p>¹Department of Animal & Fisheries Resources, Government of Bihar, Patna, India; ²Division of Veterinary Public Health, Indian Veterinary Research Institute, Izatnagar, Bareilly, India; ³Division of Veterinary Public Health, Indian Veterinary Research Institute, Izatnagar, Bareilly, India</p>
PS7-6	<p>Cloning and expression of immunogenic protein(s) of <i>Brucella abortus</i> in prokaryotic expression system and assessing their suitability for serodiagnosis of bovine brucellosis</p> <p><u>M. Nagalingam</u>, V. Balamurugan, Thaslim J. Basheer, N. Vijaya Gowri, Rajeswari Shome, G. B. Manjunatha Reddy, B. R. Shome and H. Rahman</p> <p>Indian Council of Agricultural Research-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI), Ramagondanahalli, Yelahanka, Bengaluru – 560064, India</p>

PS7-7	<p>Intragenomic variation in field isolates of <i>Brucella canis</i></p> <p><u>Martha Olivera</u>^{1,2}, Juana Vidal¹ and Luisa Ortiz¹</p> <p>¹<i>Biogénesis Research Group, Faculty of Agricultural Sciences, University of Antioquia, Medellín, Colombia;</i> ²<i>Diagnostic Unit Coordinator, Faculty of Agricultural Sciences, University of Antioquia</i></p>
PS7-8	<p>Genome-scale metabolic network reconstruction of <i>Brucella abortus</i> 2308</p> <p><u>Jagadesan Sankarasubramanian</u>¹, Udayakumar S. Vishnu¹, Paramasamy Gunasekaran² and Jeyaprakash Rajendhran¹</p> <p>¹<i>Department of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021, Tamil Nadu, India;</i> ²<i>Pro Vice-chancellor, VIT University, Chennai-600 127, Tamil Nadu, India</i></p>
PS7-9	<p>Identification of significant amino acid codon repeats in <i>Brucella</i> spp. by statistical approach</p> <p><u>Sneha Saha</u>¹, L. Sri Yasawini², Sandip Santra², S.S. Patil², Rajeswari Shome² and Suresh K.P²</p> <p>¹<i>Disease Informatics Lab, ICAR-National institute of Veterinary Epidemiology and Disease Informatics, Bangalore, India;</i> ²<i>ICAR-National institute of Veterinary Epidemiology and Disease Informatics, Bangalore, India</i></p>
PS7-10	<p>Molecular identification and characterisation of <i>Brucella</i> spp. from farm animals.</p> <p><u>Paviter Kaur</u>, Sharma N S, Sandhu Y, Arora A K and Chandra M</p> <p><i>Department of Veterinary Microbiology, GADVASU, Ludhiana-1411004</i></p>

Session 8: Wild-life brucellosis and world brucellosis	
Poster No.	Title/Authors
PS8-1	<p>Epidemiological features of brucellosis among human in Azerbaijan</p> <p><u>Abdullaev R.M.</u>¹, Ismailova R.I.¹, Shikhaliyeva Sh.T.¹, Seyidova E.S.¹, Asadov K.A.² and Safi N.V.²</p> <p>¹Republican Anti-plague Station, Baku, Azerbaijan; ²State Veterinary Control Service, Baku, Azerbaijan</p>
PS8-2	<p>Seroprevalence and identifying risk factors of Brucellosis and genetically characterization of <i>Brucella</i> spp. in Azerbaijan.</p> <p><u>Jeyhun Aliyev</u>^{1,2}, Kliment Asadov¹ and Zair Alaskerov²</p> <p>¹State Veterinary Control Service, Baku, Azerbaijan; ²Azerbaijan State Agricultural University, Baku, Azerbaijan</p>
PS8-3	<p>National testing algorithm model for human brucellosis surveillance of Armenia, 2016</p> <p><u>Lilit Avetisyan</u>¹, Liana Torosyan¹, Artavazd Vanyan¹, Zhanetta Barkhudarova² and Gayane Gevorgyan²</p> <p>¹National CDC of Ministry of Health of Republic of Armenia, Yerevan, Republic of Armenia; ²Reference laboratory Center of National CDC of Ministry of Health of Republic of Armenia, Yerevan, Republic of Armenia</p>
PS8-4	<p>Epidemiologic and laboratory evaluation of brucellosis in Azerbaijan</p> <p>Aytan Hajiyeva¹ and Eldar Hasanov²</p> <p>¹Republican Veterinary Laboratory, Baku, Azerbaijan; ²Baku City Veterinary Office, Baku, Azerbaijan</p>
PS8-5	<p>Spatial distribution of small ruminants and cattle brucellosis in Jordan and assessment of the effect of environment, demographical factors and livestock owners' practices.</p> <p><u>Imadidden Musallam</u>¹, Mahmoud Abo-Shehada² and Javier Guitian²</p> <p>¹Jordan food and drug administration (JFDA), Amman, Jordan. ²Veterinary Epidemiology, Economics and Public Health Group, Department of Production and Population Health, The Royal Veterinary College, University of London, North Mymms, Hertfordshire AL9 7TA, United Kingdom</p>
PS8-6	<p>Distribution of <i>Brucella</i> Species in Georgia</p> <p><u>M. Nikolaishvili</u>, M. Zakareishvili, I. Beradze, M. Kokhreidze, L. Gelashvili, N. Vepkhvadze, T. Tigilauri, K. Goginashvili, E. Mamisashvili and M. Donduashvili</p> <p>Laboratory of the Ministry of Agriculture, Tbilisi, Georgia</p>
PS8-7	<p>A retrospective analysis of the bovine brucellosis control program in Minas Gerais State, Brazil</p> <p>Luciana Faria de Oliveira^{1,2}, Elaine Maria Seles Dorneles^{1,3}, Vitor Salvador Picão Gonçalves⁴, José Soares Ferreira-Neto⁵, Fernando Ferreira⁵, <u>Andrey Pereira Lage</u>¹</p> <p>¹Universidade Federal de Minas Gerais, Belo Horizonte, Brasil; ²Instituto Mineiro de Agropecuária – IMA, Belo Horizonte, Brasil; ³Universidade Federal de Lavras, Lavras, Brasil; ⁴Universidade de Brasília, Brasília, Brasil; ⁵Universidade de São Paulo, São Paulo, Brasil</p>

PS8-8	<p>Serological prevalence of ovine and caprine brucellosis in Bangladesh</p> <p>Nur Mohammad Shafy¹, B. S. Ahmed¹, Roma Rani Sarker¹, Md. K. S. A. Millat¹, Md. Tuhin Hasan², P.K. Bhattacharjee¹, A. Chakrabarty¹ and Md. Siddiquir Rahman¹</p> <p>¹Department of Medicine, Faculty of Veterinary Science, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh; ²Military Farm, Chittagong</p>
PS8-9	<p>National seroprevalence of brucellosis in bovine and small ruminants by stratified random survey in India during 2015-2016</p> <p>Shome, R., Chaithra, Y., Ranjitha, S., Kanaka, S., Mangadevi, N., Triveni, K., Swati, S., Kritiga, N., Pooja, K. P., Nagalingam, M., Santra, S., Patil, S. S., Suresh, K. P., Gajendragad, M. R. Hemadri, D. and Shome, B.R.</p> <p>ICAR-National Institute of Veterinary Epidemiology and Disease Informatics, Ramagondanahalli, Yelahanka, Bengaluru-560 064</p>
PS8-10	<p>Seropositivity rates of Brucella spp. infection in dogs in Southeast Provinces of Turkey</p> <p>Osman Yaşar TEL, Sevil Erdenliğ Gürbilekand Oktay Keskin</p> <p>Harran University, Faculty of Veterinary Medicine Microbiology Department, 63200, Şanlıurfa, Turkey</p>
PS8-11	<p>The role of serological testing in a brucellosis control program in Geghashen in Kotayk Marz, Republic of Armenia</p> <p>Pertsh Tumanyan</p> <p>The Republican Veterinary-Sanitary and Phytosanitary Center of Laboratory Services, SNCO, Yerevan, Republic of Armenia</p>
PS8-12	<p>First Discovery of <i>Brucella</i> Infection in Georgian Bats</p> <p>L. Urushadze^{1,2}, Y. Baj³, L. Osikowicz³, C. McKee³, I. Kuzmin⁴, A. Kandaurov², P. Imnadze¹ and M. Kosoy³</p> <p>¹Lugar Center, National Center for Disease Control and Public Health of Georgia (NCDC), Tbilisi, Georgia; ²Iliia State University, Tbilisi, Georgia; ³Centers for Disease Control and Prevention, Fort Collins, CO, USA; ⁴Centers for Disease Control and Prevention, Atlanta, GA, USA</p>
PS8-13	<p>Monitoring of brucellosis in wild boars in 2013-2014 in Ukraine</p> <p>Alekseeva H., Petrenko O. and Nevolko O.</p> <p>State Scientific and Research Institute of Laboratory Diagnostics and Veterinary and Sanitary Expertise, (SSRILDVSE), 30 Donetska str. Kyiv, Ukraine</p>