



ISVPT-2018

PROGRAMME

**XVIII Annual Conference of
"Indian Society of Veterinary Pharmacology and Toxicology"
and**

**National Symposium on "One Health: Veterinary
Pharmacology and Toxicology Approaches"**

5-7 December, 2018

Anand, Gujarat



: ORGANIZED BY :

**Department of Veterinary Pharmacology and Toxicology
College of Veterinary Science and Animal Husbandry
Anand Agricultural University, Anand - 388001 (Gujarat)**

PROGRAMME

DAY 1 (05/12/2018)

Venue : Auditorium, B. A. College of Agriculture

8.30-9.30	Breakfast and Registration
9.30-11.00	Inauguration
11.00-11.15	High Tea
11.15-12.00	Chellapa Memorial Oration Prof. Anil Gupta, Ahmedabad
12.00-12.45	Dr. M. Sabir Oration Dr. Vivek Kapur, USA
12.45-14.00	Lunch
14.00-17.00 Kapila Teaching Complex	Technical Session I National Symposia on "One Health: Veterinary Pharmacology & Toxicology Approaches" Chairperson : Dr. A.K. Srivastava, New Delhi Co-Chairperson : Dr. C. Varshneya, Amritsar Rapporteur : Dr. Hitesh B. Patel, S.K. Nagar
17.00-19.00 Kapila Teaching Complex	Technical Session II Ethnopharmacology Chairperson : Dr. Gopakumar, Thrissur Co-Chairperson : Dr. Nirbhay Kumar, Patna Rapporteur : Dr. Harshad B. Patel, Junagadh
19.00-20.30	Cultural Evening, Auditorium, B.A. College of Agriculture
20.30-21.30	Dinner

DAY 2 (06/12/2018)	
8.00-9.00	Breakfast
9.00 – 11.00 Kapila Teaching Complex	Technical Session III - Dr. J. V. Anjaria Award Chairperson : Dr. J.K.Malik, Dehradun Co-Chairperson : Dr. S. Kalpana, Hyderabad Rapporteur : Dr. Ashok Gaur, Bikaner
11.00-11.15	Tea Break
11.15-12.00 Kapila Teaching Complex	Technical Session IV - Dr. R. Natarajan Award Chairperson : Dr. Usha P.T.A., Thrissur Co-Chairperson : Dr. Uttam Singh Thakur, Izatnagar Rapporteur : Dr. Pallavi Bhardwaj, Palampur
12.00-13.00 Kapila Teaching Complex	Technical Session IV - Prof. V.V. Ranade Young Scientist Award Chairperson : Dr. A.H. Ahmad, Pantnagar Co-Chairperson : Dr. Vinod Kumar, Hisar Rapporteur : Dr. P.K.Verma, Jammu
13.00- 14.00	Lunch
14.00-16.00 Kapila Teaching Complex	Technical Session V - Toxicology of Xenobiotics Chairperson : Dr. S.K.Mody, S.K. Nagar Co-Chairperson : Dr. Nitin Bhatia, Ahmedabad Rapporteur : Dr. Vikram Chakravarthy. Namakkal
16.00-17.00	Poster Session (I) : Sandipani Complex, Ground Floor
	Poster Session (II) : Sandipani Complex, First Floor
17.00-18.30 Sandipani Complex, Room-I	Technical Session VI - Antimicrobials and Antimicrobial Resistance Chairperson : Dr. S.K. Garg, Mathura Co-Chairperson : Dr. M.J. Raja, Namakkal Rapporteur : Dr. Santwana Palai, Bhubaneswar
17.00-18.30 Sandipani Complex, Room-II	Technical Session VII - Molecular and Neuropharmacology Chairperson : Dr. R.K. Sharma, Jabalpur Co-Chairperson : Dr. Suresh Nair, Pookode Rapporteur : Dr. Mamta Meena, Jaipur
18.30-19.00	Tea Break
19.00 –20.00	General Body Meeting : Kapila Teaching Complex
20.00 –21.00	Dinner

DAY 3 (07/12/2018)	
8.00-9.00	Breakfast
9.00 - 10.30 Sandipani Complex, Room-I	Technical Session VIII - Pharmacokinetics / Toxicokinetics Chairperson : Dr. A. Kumaresan, Bengaluru Co-Chairperson : Dr. Ratndeeep Singh, S.K. Nagar Rapporteur : Dr. Dinesh M.B., Shivamogga
9.00 - 10.30 Sandipani Complex, Room-II	Technical Session IX - Clinical and Regulatory Pharmacology and Toxicology Chairperson : Dr. Chandana Barua, Guwahati Co-Chairperson : Dr. Jatin H. Patel, Navsari Rapporteur : Dr. Aneesha M.B., Izatnagar
9.00 - 10.30 Kapila Teaching Complex	Technical Session X -Food safety/Xenobiotic residue Chairperson : Dr. S.K. Sharma, Ludhiana Co-Chairperson : Dr. Nisha A.R., Pookode Rapporteur : Dr. R.K. Nirala, Patna
10.30 - 10.40	Tea Break
10.40-11.30 Sandipani Complex, Room-I	Technical Session XI - a) Animal Welfare and Good Laboratory Practices b) Education in Veterinary Pharmacology and Toxicology Chairperson : Dr. C.N. Nair, Thrissur Co-Chairperson : Dr. Manimaran, Bengaluru Rapporteur : Dr. Rahul Dev, Jammu
10.40-11.30 Sandipani Complex, Room-II	Technical Session XII - Nutritional Pharmacology and Nutraceuticals Chairperson : Dr. R.D. Rana, Hisar Co-Chairperson : Dr. Neetu Rajput, Mhow Rapporteur : Dr. R.D. Varia, Navsari
11.30 - 12.00 Kapila Teaching Complex	Plenary session Chairperson : Dr. V.V. Ranade, Mumbai Co-Chairperson : Dr. V.K. Dumka, Ludhiana Rapporteur : Dr. Reni John, Thrissur
12.00-13.30	Valedictory Function : Kapila Teaching Complex
13.30 - 14.30	Lunch
14.30-19.30	i) Technical visit to Directorate of Medicinal Aromatic Plants (ICAR), Boriavi, Anand ii) Technical Visit to Department of Animal Biotechnology, Veterinary College, Anand
19.30-21.00	Dinner

CONTENT

CODE	TITLE OF LEAD PAPERS & ABSTRACTS
CHELLAPA MEMORIAL ORATION	
CMO	Prof. Anil Gupta Founder, Honey Bee Network, SRISTI, GAIN and NIF Visiting Faculty, IIMA & IITB, Ahmedabad
DR. M. SABIR ORATION	
MSO	One health challenge: To eliminate TB, we must control bovine TB <u>Vivek Kapur</u>
TECHNICAL SESSION – I (NATIONAL SYMPOSIUM)	
NS-01	Role of veterinarian in the society - one health initiative <u>Juyal P.D.</u>
NS-02	Traditional medicine: the talismanic route to attain one health goal <u>Garg S.K., Shukla A. and Choudhury S.</u>
NS-03	Recent advances in the role of probiotics, prebiotics and synbiotics in poultry health and production <u>Malik J.K., S. Kalpana, Bhavsar S.K., Thaker A.M., Atul P., Rahal Anu, Mody S.K., Bharti V.K., Dinesh Kumar and Srivastava A.K.</u>
NS-04	One health- one world: pharmacology bringing biological world together <u>Goyal R. K.</u>
NS-05	Food borne zoonotic diseases: status and preventive measures <u>Manimaran A., Kumaresan A. and Srivastava A. K.</u>
TECHNICAL SESSION – II (ETHNOPHARMACOLOGY)	
LEAD-EP-01	Ethnopharmacology: the way forward to realise holistic health care for all <u>N. Punniamurthy</u>
LEAD-EP-02	Artemisinin: a boon of ancient wisdom and modern skills and industriousness <u>Dinesh Kumar, Kumawat Sanjay, Singh W.R., Saddam A., Patel Madhuri, Verma P.K. and Malik J.K.</u>
EP-01	Evaluation of antioxidant and nephroprotective potential of floral extract of <i>Cynara scolymus</i> in rats <u>Sharma Priyanka, Singh P., Verma P.K., Singh H., Sheikh Uzma and Raina R.</u>
EP-02	Protective effect of <i>Bergenia ciliata</i> ethanolic extract on acetaminophen induced hepatotoxicity in Wistar rats <u>Bhat M.A., Raina R., Verma P.K. and Wani N.M.</u>
EP-03	Effect of hydroalcoholic extract of <i>Cordia dichotoma</i> leaves on isolated ileum of Wistar rat <u>Dev R., Pankaj N. K., Verma P. K., Singh T. U., Amruth V, Sultana M., Raina R. and Uzma S.</u>
EP-04	Pharmacokinetic of quercetin and chrysin in wistar rats after single dose intramuscular administration <u>Modi Falguni D., Bhavsar S.K., Varia R.D., Patel J.H., Modi L.C., Modi Megha and Kale N.</u>
EP-05	Evaluation of antidiabetic activity of <i>Linum usitatissimum</i> aqueous extracts in diabetic sprague dawley rats <u>Kapuriya P.B., Sadariya K.A., Bhavsar S.K., Patel Bhavisha R. and Thaker A.M.</u>

EP-06	Protective effect of leaf extract of <i>Aegle marmelos</i> correa on gentamicin induced nephrotoxicity in wistar rats_ <u>Bhalerao L. M., Shendre S.B. and More B.K.</u>
EP-07	Environmental factors as quality determinants on biological activity of <i>Kedrostis foetidissima (jacq.) cogn</i> plant <u>Raja M.J., Arivuchelvan A., Jagadeeswaran A., Sukumar K. and Sivaseelan S.</u>
EP-08	Acceleration of healing of wound in diabetic rats due to antioxidant potential of quercetin <u>Vinay Kant, Sharma M., Jangir B.L. and Kumar V.</u>
EP-09	Evaluation of antipyretic and anti-inflammatory activity of <i>Andrographis paniculata</i> in albino rats <u>Nety Shraddha, Koley K.M. and Tripathi S.M.</u>
EP-10	Studies on immunomodulatory effects of herbal medicated feed in wistar rats <u>Bhalchim S.K., Ballurkar B.V., Rajurkar S.R and Ranvir G.D.</u>
EP-11	Evaluation of turmeric nanoformulation in heparin induced osteoporosis in rat model <u>Dar S.H., Singh S.P., Kumar A. and Manoj Kumar</u>
EP-12	Effect of turmeric nanoformulation on hepatorenal function of rat <u>Dar S. H., Singh S.P., Kumar A. and Manoj Kumar</u>
EP-13	Immunomodulatory effect of <i>Nilavembu Kudineer Chooranam</i> in backyard chicken <u>Kavinilavan R., Mekala P., Raja M.J. and Arthanari E. M.</u>
EP-14	Piperine in amelioration of arsenic toxicity in swiss albino mice <u>Priyadarshini U., Dash J.R., Parija S.C., Mishra U.K. and Patra R.</u>
EP-15	Modulation of Nrf2 and NF- κ B gene signalling pathways by hexane fraction of <i>Phyllanthus emblica</i> leaves extract in acetaminophen induced hepatic damage in rats <u>Sanjay B.M., Nisha A.R., Hamza P., Ranjith D., Suja Rani S., Sanis Juliet and Suraj S.V.</u>
EP-16	Ameliorating potential of <i>Anthocephalus cadamba</i> against general toxicity parameters induced by oral sub-acute exposure of Fipronil in rats. <u>Singh D., Sharma P., Anand S., Swarnkar R., Choudhary A. and Boghia S.</u>
EP-17	Polyphenolic compounds and <i>in vitro</i> antioxidant activity of <i>Chenopodium album</i> Linn. extracts <u>Nirbhay Kumar, Ahmad A. H., Gopal Anu and Srinivasu M.</u>
EP-18	Effect of <i>Vigna unguiculata</i> and <i>Hordeum vulgare</i> seed extracts on kidney homogenate and rat kidney injury molecule-1 (KIM-1) on ethylene glycol and ammonium chloride induced urolithiasis in female wistar rats <u>Patel Monika, Raval S.K., Sadhu D.B. and Pandya S.S.</u>
EP-19	Nephroprotective effect of aqueous and alcoholic biherbal extracts of <i>Bryophyllum calycium</i> and <i>Solanum xanthocarpum</i> on Biochemical alteration and Rat Kidney Injury Molecule-1 (Kim-1) in ethylene glycol and ammonium chloride induced urolithiasis in Wistar rats <u>Patel D.B., Raval S.K., Modi R.J. and Mandali G.C.</u>

EP-20	Studies on 2, 4 dichloro phenoxyacetic acid toxicity and its amelioration by <i>Andrographis paniculata</i> (kalmegh) and <i>Boerhaavia diffusa</i> (punarnava) in rats <u>Singh P., Shrman K., Rewatkar S. G., Sharma R.K. and Kewat R.</u>
EP-21	Immunomodulatory potential of <i>Kaempferia parviflora</i> against cyclophosphamide induced immune suppression in Swiss albino mice <u>Devi A.R., Bibu J.K., Miniraj N., Akhil G.H., Jisha S. and Pranjali K.P.</u>
EP-22	Hepatoprotective activity of <i>Murraya koenigii</i> on paracetamol induced toxicity in chicken <u>Ranganathan V., Punniamurthy N. and Sathesh Kumar S.</u>
TECHNICAL SESSION – III (DR. J. V. ANJARIA AWARD)	
JVAA-01	Protective effect of poly-herbal extract mixture against gentamicin-induced toxicity by ameliorating hemato-biochemical, oxidative stress and toxico-pathological in rats <u>Solanki Shivani L., Modi C.M., Patel U.D., Patel H.B., Bhadarka Dixita H. and Shaul A.R.</u>
JVAA-02	Bioenhancing effects of piperine on gemifloxacin following oral administration in layer birds <u>Maradiya J.J., Sadariya K. A., Bhavsar S.K. and Thaker A. M.</u>
JVAA-03	Apoptosis mediated cytotoxic potential of <i>Mimosa pudica</i> in breast carcinoma cell lines <u>John R., Bibu J. K., Usha P.T.A., Preethy J. and Sujith S.</u>
JVAA-04	Establishing antigout activity of <i>Piper betle</i> through molecular docking and <i>in vivo</i> study in gout induced broiler chicken <u>Chakravarthi P.V., Murugesan S., Arivuchelvan A., Sukumar K., Arulmozhi A. and Jagadeeswaran A.</u>
JVAA-05	<i>In vitro</i> and <i>ex vivo</i> evaluation of <i>Shorea robusta</i> Gaertn F. resin on LPS stimulated Raw 264.7 and STZ-diabetic rat peritoneal macrophages <u>Kumawat S., Verma S., Singh W.R., Sadam A., Patel Madhuri, Aneesha V.A., Madhu C.L., Thakur U.S. and Dinesh Kumar</u>
JVAA-06	Genoprotective effects of <i>Dalbergia sissoo</i> and <i>Calotropis gigantea</i> leaf extracts on ethnylestradiol induced genotoxicity in human mammary epithelial cell line and cycling female mice <u>Mir A.H. and Dumka V. K.</u>
JVAA-07	Antiviral activity of <i>Andrographis paniculata</i> against newcastle disease virus <u>Nagajothi S., Mekala P., Raja A., Raja M. J. and Senthilkumar P.</u>
JVAA-08	Antibacterial activity of endophytic bacteria isolated from different varieties of babool leaves <u>Soman Swathi, Sharma R.K., Sharma Varsha, Gautam Vidhi, Shrman K., Sawarkar Alka and Kewat R.</u>
TECHNICAL SESSION – IV (DR. R. NATRAJAN AWARD & Prof. V. V. RANADE YOUNG SCIENTIST AWARD)	
a) DR. R. NATRAJAN AWARD	
RNA-01	Functional involvement of I-type calcium channels, potassium channels and β -adrenoceptors in chromium-induced myometrial relaxation of rat uterus <u>Bhatiya S. I., Sharma A., Nakade U.P., Nair S. V., Patil C., Singh P., Mohd. S., Choudhury S. and Garg S. K.</u>

RNA-02	Retinoic acid and rosuvastatin alleviate β -agonist-induced myocardial injury by improving antioxidant status through Nrf2 mRNA expression and cytokine modulation <u>Sultan F.</u> , Kaur R., Lonare M.M. and Saini S.P.S.
RNA-03	<i>In-vitro</i> hepatic metabolism of 1, 8-cineole in domestic fowl <u>Mahesh D.M.</u> , Juliet S., Nair S.N., Nisha A.R., Ravindran R., Shijin M.S., Suja Rani S., Vanishree H. and Ranjith D.
b) Prof. V. V. RANADE YOUNG SCIENTIST AWARD	
VVRYS-01	Pharmacokinetics antibacterial and anti-inflammatory activities of rutin in wistar albino rats_ <u>Modi Falguni D.</u> , Bhavsar S.K., Patel J.H. and Varia R.D.
VVRYS-02	Neurotoxicological evaluation of carbendazim and ameliorative effect of quercetin in male rats <u>Patil N.V.</u> , Lonare M.K., Lalhriatpuia P.C., Deshmukh S., Sharma M., and Sharma S.K.
VVRYS-03	Assessment of heavy metals in soil, water, fodder and milk of dairy animals <u>Patel Bhargavi R.</u> , Patel H. B., Mody S. K., Singh R. D. and Sarvaiya V. N.
VVRYS-04	Effect of piperine and quercetin administration on pharmacokinetics of marbofloxacin and CYP3A37 and MDR1 mRNA expressions in broiler chickens_ <u>Patel H.B.</u> , Patel U. D., Modi C.M., Bhadarka D.H., Shaul A.R., and Solanki Shivani L.
TECHNICAL SESSION – V (TOXICOLOGY OF XENOBIOTICS)	
LEAD-TOX-01	Monitoring of some heavy metals in flora, fauna and human and their relationship at sundarban delta <u>Bhattacharya S.</u> , <u>Mandal T.K.</u> and Bandyopadhyay S. K.
LEAD-TOX-02	Phytotherapeutics of pesticide toxicity in poultry <u>Singh S.P.</u> and Choudhary G.
TOX-01	Effect of quinalphos and arsenic co-exposure on brain antioxidant status and acetylcholine esterase activity in wistar rats <u>Singh P.</u> , <u>Verma P.K.</u> , Sharma Priyanka, Raina R. and Sheikh Uzma
TOX-02	Histopathological and antioxidant biomarkers alterations in renal tissue following repeated administrations of quinalphos and arsenic alone and in-combination in wistar rats <u>Singh P.</u> , <u>Verma P.K.</u> , Raina R., Sood Shilpa and Sharma Priyanka
TOX-03	Safety profile of marbofloxacin following repeated intravenous and oral administration alone and in piperine and quercetin pretreated broiler chickens_ <u>Patel H. B.</u> , Patel U. D., Modi C.M., Makwana C.N. and Rao S.S.
TOX-04	Evaluation of blood biochemical parameters and oxidative alterations caused by cadmium chloride in male rats <u>Rao S.S.</u> , Makwana C.N., Ladumor V.C., Patel U.D., Patel H.B. and Modi C.M.
TOX-05	Safety evaluation of gemifloxacin and piperine alone and in combination in layer birds <u>Maradiya J.J.</u> , <u>Patel Bhavisha R.</u> , Sadariya K. A., Bhavsar S.K. and Thaker A. M.

TOX-06	Amelioration of ethylene glycol induced alterations by poly-herbal mixture extract in wistar rats <u>Modi C.M., Patel U.D., Patel H.B., Solanki Shivani L., Bhadarka Dixita H. and Shaul A.R.</u>
TOX-07	Acute oral toxicity study of anilofos in Swiss albino mice <u>Bagri P. and Vinod Kumar</u>
TOX-08	Alpha-tocopherol and curcumin attenuates cisplatin-induced nephrotoxicity in rats: Impact on early biomarker KIM-1, oxidative stress, hemato-biochemical parameters and histoarchitecture of kidney <u>Chandel, Singh V., Prakash A., Mandil R., Choudhury S. Rahul Kumar and Garg S.K.</u>
TOX-09	Role of vitamin C in amelioration of thiamethoxam induced cytotoxicity in madin-darby bovine kidney cell line <u>Thakur Shraya, Kaur R., Lonare M.K., Deka D., Saini S.P.S. and Dumka V.K.</u>
TOX-10	Effect of febusostat on visceral gout induced model in broiler chicks <u>Patel M.K., Dave C.J., Ghodasara D.J., Joshi B. P. and Jani Purnima B.</u>
TOX-11	Toxicopathological studies of acetyl salicylic acid and diclofenac sodium in broiler chicks <u>Pandey Sunanda, Ghodasara D.J., Jani Purnima B., Joshi B.P., and Dave C.J.</u>
TOX-12	Toxicopathological studies of nimesulide in broiler chicks <u>Sunanda Pandey, Ghodasara D.J., Jani Purnima B. and Joshi B.P.</u>
TOX-13	Fish embryo toxicity test as a potential alternative to the fish acute toxicity test <u>Rana J.R., Patel D.K., Ansari E., Pawar Nilambari, Khan Nadeem and Reddy M. N.</u>
TOX-14	Toxicological evaluation of medicinal plant <i>Acorus calamus</i> <u>Nagane R.M., Vashi K.D., Mishra P., Date R.A., Barad I., Bhosale J., Patel M.V. and Krishnamurthy R.</u>
TECHNICAL SESSION – VI (ANTIMICROBIALS AND ANTIMICROBIAL RESISTANCE)	
LEAD-AMR-01	Marbofloxacin-resistant <i>Escherichia coli</i> isolated from fecal flora of healthy goats during marbofloxacin administration: Is there a link? <u>Bhardwaj Pallavi and Rampal S.</u>
LEAD-AMR-02	Antibiotic resistance: alternative approaches to tackle with <u>Sharma R. K., Gautam Vidhi and Shrmam K.</u>
LEAD-AMR-03	Antimicrobials and antimicrobial resistance <u>Sharma S.K. and Singh S.K.</u>
LEAD-AMR-04	Anti-microbial resistance and its relevance to India - the animal healthcare perspective <u>Bhatia N., Rana M.K. and Modgil M.N.</u>
AMR-01	Cathepsin D Degradable Dendrimer-MPEG-Histone 3-Enrofloxacin Conjugate Nanovehicle for Target Specific Bovine Mastitis Therapy <u>Senthil Kumar P., Sambandam Anandan and Subramanian N.</u>
AMR-02	Antibiotic resistance pattern of mastitic milk sample of Gir cattle <u>Sharma V., Kushwah M.S., Nayak A., Shukla S., Rai A., Soman Swathi and Singh P.</u>

AMR-03	Screening of commercial dairy products for antimicrobial resistance (AMR) among probiotic organisms <u>Chaudhary J.H., Brahmabhatt M.N., Nayak J.B., Parmar B.C., Bhavsar P.P., Patel S.A. and Mistry U.P.</u>
AMR-04	Quinolone resistance in campylobacter isolate from man and animal sources and detection of mutation in topoisomerase genes <u>Nayak J. B., Brahmabhatt M. N., Chaudhary J.H. and Parmar B.C.</u>
AMR-05	Multiple drug resistant bacteria isolated from clinical mastitis in cows <u>Vatalia D.J., Bhanderi B.B. and Nimavat V.R.</u>
TECHNICAL SESSION – VII (MOLECULAR AND NEUROPHARMACOLOGY)	
LEAD-MNP-01	Exploring neuropathy and its probable treatment with reference to diabetic neuropathy_ <u>Barua Chandana C. and Sarma Monoshree</u>
LEAD-MNP-02	Palmitoylethanolamide- a potential target for analgesic medicine_ <u>Usha P.T.A</u>
LEAD-MNP-03	Role of iNOS signaling in sepsis-induced lung injury <u>Thakur U.S., Rana A., Sharma Meemansha, Tarun Kumar, Parida Subhashree, Lingaraju Madhu and Dinesh Kumar</u>
MNP-01	Flubendiamide induces apoptosis and genotoxicity in primary cell culture of rat thymocytes: Modulation by resveratrol, catechin, curcumin and α -tocopherol_ <u>Mandil R., Prakash A. and Garg S.K.</u>
MNP-02	Mechanism of vasorelaxation of Naringenin in pulmonary artery of <i>Capra hircus</i> <u>Palai Santwana and Parija S.C.</u>
MNP-03	Lysophosphatidic acid-induced uterine contraction is mediated by LPAR3 in late pregnant mouse <u>Prakash E., Srinivasan G., Chauhan Sakshi, Srivastava V., Thakur U.S., Dinesh Kumar and Parida Subhashree</u>
MNP-04	Effect of high fat high cholesterol diet on β -adrenergic response in late pregnant rats <u>Chauhan Sakshi, Srinivasan G., Prakash E., Srivastava V., Thakur U.S. Dinesh Kumar and Parida Subhashree</u>
MNP-05	Investigation of biochanin-A on vascular tone of the rat isolated pulmonary artery <u>Amruthanand, Thakur U.S., Yangzom Padma, Sharma Meemansha, Tarun Kumar, Rana A., Parida Subhashree, Lingaraju Madhu and Dinesh Kumar</u>
MNP-06	Genotyping for β -Casein gene using PCR-RFLP in HF Crossbred and Indigenous Cattle of Gujarat state <u>Sheikh Y., Shah S.V., Lunagariya P.M., Patel Y.G., Koringa P.G., Jakhesara S., Joshi R.S., Patel A.C., Rank D.N. and Joshi C.G.</u>
TECHNICAL SESSION – VIII (PHARMACOKINETICS / TOXICOKINETICS)	
LEAD-PK-01	Applications of toxicokinetics in risk assessment of xenobiotics <u>Sadariya K.A., Bhavsar S.K., Patel Bhavisha R. and Thaker A.M.</u>
PK-01	Effect of piperine on the pharmacokinetics of marbofloxacin following subcutaneous administration in rats_ <u>Modi C.M., Patel U.D., Patel H.B., Ladumor V.C. and Solanki S.L.</u>

PK-02	Pharmacokinetics after intravenous administration of cefepime on co-administration with meloxicam in febrile cross-bred calves Ghumde, Gajanan R., <u>Rajput Neetu</u> , Sahni Y.P., Baghel R.P.S., Waskel Neha and Teja S.V.D.
PK-03	Bioenhancing effect of single and multiple dose piperine on gemifloxacin following intravenous administration in layer birds Maradiya J.J., Sadariya K. A., <u>Bhavsar S.K.</u> and Thaker A. M.
PK-04	Pharmacokinetics of piperine following intravenous and oral administration in layer birds Maradiya J.J., Gohel R.H., Sadariya K. A., <u>Bhavsar S.K.</u> , Patel Bhavisha R. and Thaker A. M.
PK-05	Effects of gemifloxacin administration on pharmacokinetics of piperine in layer birds Maradiya J.J., Sadariya K. A., Bhavsar S.K. and <u>Thaker A. M.</u>
PK-06	Effect of piperine co-administration on pharmacokinetics of marbofloxacin in goats_ <u>Bhardwaj Pallavi</u> , Singla Saloni and Rampal S.
PK-07	Plasma disposition and pharmacodynamic relationship of ceftizoxime in sheep and goats_ <u>Mody S. K.</u> , Patel H. A., Bhatiya S. I., Patel H. B. and Singh R. D.
PK-08	Effect of ciprofloxacin on the oral pharmacokinetics of roxithromycin in broiler chickens_ <u>Singh R.D.</u> , Mody S.K., Patel H.B., Sarvaiya V.N. and Patel B.R.
PK-09	Impact of tolafenamic acid on intravascular pharmacokinetics of ceftizoxime in sheep_ <u>Patel H.A.</u> , Mody S.K. and Patel H.B.
PK-10	Disposition kinetics of moxifloxacin in calves following a single intravenous bolus dose <u>Meena Mamta</u> , Gaur A., Sharma P., Dinodia N., Singh K., Parihar H. R. and Kumar V.
PK-11	Fatty acid profile and <i>in-vitro</i> anti-diabetic activity of petroleum-benzene extract of <i>Leucasindica</i> (Linn.) <u>Suraj S.V.</u> , Sanjay B.M., Hamna J.C., Mery S. J., Saranya C., Shijin M.S., Nair S.N., Nisha A.R., Ranjith D and Juliet S.
PK-12	Disposition kinetics of marbofloxacin in calves following a single intravenous bolus dose <u>Dinodia Neelam</u> , Sharma P., Gaur A., Meena M., Kumar L., Lakshmikant and Kumar V.
TECHNICAL SESSION – IX (CLINICAL REGULATORY PHARMACOLOGY & TOXICOLOGY)	
LEAD-CRPT-01	Zebrafish: A Pharmacological tool as an animal model for efficacy and Safety drugs / herbal medicines_ <u>Sriram P.</u> and Srinivasan M.R.
LEAD-CRPT-02	Regulation and management of pesticides in india <u>Singh S. P.</u>
CRPT-01	A sensitive and rapid HPLC method for bio-analysis of moxifloxacin from buffalo plasma_ <u>Patel V. N.</u> ; Mody S.K.; Kumari Anjana and Patel H.B.
CRPT-02	Gross and histopathological effects of dimethyl sulfoxide on wound healing in rats_ <u>Vinay Kant</u> , Jangir B.L. and Kumar V.

CRPT-03	Controlled release acarbose beads ameliorates ruminal function for extended time (<i>in vitro</i> rumi tec approach) <u>Sole S.S.</u> And Kulkarni R.C.
CRPT-04	Therapeutic effect of febuxostat and allopurinol on visceral gout induced model in broiler chicks Rathod R.C., <u>Joshi B.P.</u> , Ghodasara D.J., Jani Purnima and Dave C.J.
CRPT-05	Preclinical safety pharmacology studies <u>Jadhav S.</u> , Ujawane D. and Shah K.
TECHNICAL SESSION – X (FOOD SAFETY / XENOBIOTIC RESIDUE)	
LEAD-FS-01	Safety aspects of fermented foods_ <u>Prajapati J.B.</u> and Gawai K.M.
LEAD-FS-02	One health perspective: antimicrobial resistance <u>Brahmbhatt M.N.</u> , Nayak J. B., Chaudhary J. H. Parmar B.C. and Patel S. A.
FS-01	<i>In vitro</i> mitigation of pesticide residue in animal substance <u>Jayaraj A.</u> , Sar T .K. and Mandal T. K.
FS-02	ELISA based monitoring and analysis of residue level of Tetracycline group of antibiotics in row and pasteurised milk collected from Anand district of Gujarat state Mistry U.P., Brahmbhatt M.N., <u>Nayak J.B.</u> , Chaudhary J.H., Bhanderi B.B., Bhavsar P.P. and Patel S.A.
FS-03	Antibiotic sensitivity pattern of staphylococci and streptococci isolated from subclinical mastitis in cows <u>Bhanderi B.B.</u> , Bhavsar S.K., Golavaiya A.V., Kulkarni P.M., Prajapati J.A. and Humbal B. R.
FS-04	Quantitative determination of residual enrofloxacin and ciprofloxacin in field samples of buffalo meat using RP-HPLC <u>S. Kalpana</u> and Muthukumar M.
TECHNICAL SESSION – XI (EDUCATION IN VETERINARY PHARMACOLOGY AND TOXICOLOGY & ANIMAL WELFARE AND GOOD LABORATORY PRACTICES)	
a) ANIMAL WELFARE AND GOOD LABORATORY PRACTICES	
LEAD-AW-01	Severity classification in animal experimentation <u>S. Ramesh</u>
LEAD-AW-02	Alternatives to experimental animals Humbal B.R., <u>Sadariya K.A.</u> , Bhavsar S.K., Prajapati J.A. and Thaker A.M.
LEAD-AW-03	<i>In vitro</i> hepatic and enteric experimental systems for the evaluation of human xenobiotic metabolism and toxicity early in drug discovery and development <u>Barot Deepak</u>
AW-01	Assessment of photosensitization Potential via In Chemico Assays Patel N., Mishra Priyanka, Nagane R., Tamboli I. and <u>Date R.</u>
b) EDUCATION IN VETERINARY PHARMACOLOGY AND TOXICOLOGY	
LEAD-EVPT-01	Strategies for conducting laboratory classes in pharmacology <u>Ahmad A.H.</u> and Pant Disha
TECHNICAL SESSION – XII (NUTRITIONAL PHARMACOLOGY & NUTRACEUTICALS)	
LEAD-NP-01	Plant derived products for poultry health and performance: a solution initiative of one health <u>Mody S.K.</u> , Patel H.B., Singh R.D., Sarvaiya V.N., Patel H. A., Srivastava A.K. and Gorewad K.G.

LEAD-NP-02	Herbal feed additives/phytobiotics in animal nutrition: an important aspects <u>Pandya P.R.</u> , Lunagariya P. M. and Devalia B. R.
NP-01	Ameliorative potential of α -tocopherol against flubendiamide and/or copper-induced altered blood-biochemical indices, oxidative stress and histopathological changes in liver of wistar rats_ <u>Mandil R.</u> , Prakash A., Rahal Anu, Koli Swati, Kumar R. and Garg S.K.
NP-02	Effect of phytase and maize based diets on growth parameters and egg production in kadaknath <u>Jain Archana</u> , Karoriya A.K. and Khan M.A.
NP-03	Effect of supplementing fenugreek (<i>Trigonella foenum graecum</i>) seeds in total mixed ration (TMR) of lactating surti goats <u>Devalia B. R.</u> , Parnerkar S., Gupta R.S. and Pandya P.R.
POSTER SESSION - I	
P-EP-01	Evaluation of healing potential of polyherbalgel formulation on full-thickness skin wounds in rabbits_ <u>Patel H. B.</u> , Patel U. D., Modi C.M., Bhatt P.R., Pandya K.B., Bhadarka D.H, Shaul A.R. and Solanki S.L.
P-EP-02	Comparative study of <i>in-vitro</i> free radical scavenging activity of different extracts of leaves of <i>Abrus precatorius</i> <u>Modi C.M.</u> , <u>Ladumor V.C.</u> , Patel H. B., Patel U.D. and Solanki S. L.
P-EP-03	Pharmacological effects and safety profile following administration of poly-herbal extract in diabetic rats <u>Shaul A.R.</u> , Patel U.D., Bhadarka Dixita H, Modi C.M., Patel H.B., Solanki S.L. and <u>Rao S.S.</u>
P-EP-04	<i>In vitro</i> and <i>in vivo</i> anti-inflammatory activity of quercetin and chrysin in wistar albino rats <u>Modi Falguni D.</u> , Bhavsar S.K., Patel J.H., Varia R.D., Modi Megha, Kale N., Kalyani I.H. and Modi L.C.
P-EP-05	Investigation of <i>in vitro</i> and <i>in vivo</i> antibacterial activity of quercetin and chrysin in wistar rats <u>Modi Falguni D.</u> , Bhavsar S.K., <u>Patel J.H.</u> , Varia R.D., Modi L.C., Modi Megha and Kale N.
P-EP-06	Anti-gout activity of <i>Curcuma longa</i> and <i>Phyllanthus emblica</i> : a comparative experimental study in rats_ <u>Sarvaiya Vaidehi N.</u> , Sadariya K. A. and Thaker A. M.
P-EP-07	Effect of <i>Carica papaya</i> leaves in alleviating cyclophosphamide induced oxidative stress in mice <u>Maria L.</u> , <u>Preethy J.</u> , Usha P.T.A., Rehna A. and Uma R.
P-EP-08	Acaricidal activity of <i>Datura stramonium</i> on <i>Rhipicephalus (boophilus) microplus</i> <u>Dalei M.</u> , Dehuri M., <u>Palai S.</u> , Panda M.R. and Karna D.
P-EP-09	Studies on effect of <i>Morinda citrifolia</i> on oxidative stress in diabetic rats_ <u>Jadhav N.D.</u> , Behera Abhinna and Rajurkar S. R.
P-EP-10	Evaluation of immunomodulatory and antioxidant activity of <i>Tinospora cordifolia</i> extracts in broiler chickens <u>Nety Shraddha</u> , <u>Koley K.M.</u> and Monalisha
P-EP-11	Immunostimulant activity of <i>Chenopodium album</i> in cyclophosphamide induced immunosuppression in rats <u>Verma M.K.</u> , Ahmad A.H., Pant D., Kumar N., Patwal P.C., Singh V. and Saklani S.

P-EP-12	Pathological changes induced by cyclophosphamide and their amelioration by <i>Ajuga macrosperma</i> in rats Lone I.B., <u>Singh S.P.</u> and Batra M.
P-EP-13	Nematocidal activity of methanolic extract of fruits of <i>Piper longum</i> on <i>Mecistocirrus digitatus</i> <u>Pranjali K.</u> , Sujith S., Akhil G.H., Jisha S., Nair S.N., Suja R.S., Usha P.T.A., Akshay D., Dhanusha G., Haima and Athira K.K.
P-EP-14	Effect of methanolic extract of germinated seeds of <i>Hordeolum vulgare</i> on <i>Fischoederius cobboldi</i> <u>Jisha S.</u> , Nair S.N., Pranjali K.P., Akhil G.H., Sujith S., Kariyil B.J., Suja R.S., Dhanusha G., Aathira K.K., Haima J.S., Dabholkar A. and Usha P.T.A.
P-EP-15	Adulticidal activity of methanolic extract of stem of <i>Tinospora cordifolia</i> against <i>Fischoederius cobboldi</i> Akhil G.H., Kariyil B.J., Pranjali K.P., Jisha S., Sujith S., Nair S.N., Dhanusha G., Aathira K.K., Haima J.S., Dabholkar A. and Usha P.T.A.
P-EP-16	Amelioration of paracetamol induced alterations by administration of poly-herbal extract mixture and silymarinin rats Bhadarka Dixita H, Patel U.D., Patel H.B., Modi C.M., Shaul A.R., Solanki Shivani L. and <u>Makwana C.N.</u>
P-EP-17	Reversal of fluoroquinolone resistance by phytochemicals- an <i>in silico</i> approach <u>Aathira K.K.</u> , Dhanusha G., Haima J.S., Nair S.N., Bibu J.K., Sujith S., John Preethy, Usha P.T.A.
P-EP-18	Ameliorative effect of <i>curculigo orchoides</i> on sub acute cypermethrin toxicity with special reference to male reproductive system in wistar rats Bhosale Poonam, <u>Hajare S.W.</u> , Pawar Pooja and Rathod Payal
P-TOX-01	Assessment of anilofos induced mutagenicity in bone marrow and germ cells of swiss albino mice Bagri P. and <u>Vinod Kumar</u>
P-TOX-02	Assessment of heavy metals in water hyacinth (<i>Eichhornia crassipes</i>) plants and its toxic effects on cattle <u>Senthil Kumar P.</u> and Srisai S.
P-TOX-03	Immunotoxicity of fluranthene in developing chicks <u>Nisha A. R.</u> , Vanishree, Mahesh D. M., Sanjay B.M and Suraj S.V.
P-TOX-04	Histopathological alterations caused by sub-acute oral exposure of fipronil in rats and its amelioration by <i>Anthocephalus cadamba</i> <u>Singh D.</u> , Sharma P., Anand S., Swarnkar R., Choudhary A. and Boghia S.
P-TOX-05	Ameliorating potential of <i>Chlorophytum borivilianum</i> root extract on serum biochemical parameters in toxicity induced by sub acute exposure of fipronil in albino rats <u>Swarnkar R.</u> , Gaur A., Anand S., Singh D., Choudhary A. and Boghia S.
P-TOX-06	Pharmacological and toxicological effects of chloroform soluble fraction of methanolic extract of seeds of <i>Annona muricata</i> <u>Bibu J.K.</u> and Usha P.T.A.
P-TOX-07	Protective effects of poly-herbal mixture enriched feed against cadmium chloride induced toxicity in broiler chickens Patel U.D., <u>Patel H.B.</u> , Modi C.M., Bhatt P.R., Pandya K.B., Bhadarka D.H., Shaul A.R. and Solanki S.L.

POSTER SESSION - II

P-PK-01	Pharmacokinetics after intravenous administration of cefepime on co-administration with meloxicam in healthy cross-bred calves Ghumde, Gajanan R., <u>Rajput Neetu</u> , Sahni Y.P., Baghel R.P.S., Rajpal D. and Jagota Priya
P-PK-02	Pharmacokinetics and bioavailability of commercial preparations of enrofloxacin after parenteral administration in goats Gond V.K., <u>Nirala R.K.</u> , Archana, Anjana and Jayachandran C.
P-PK-03	Disposition interaction of a novel antimicrobial drug combination in poultry_ <u>Singh R.D.</u> , Mody S.K., Patel H.B., Sarvaiya V.N. and Patel B.R.
P-PK-04	Pharmacokinetics of ketoprofen and its interaction with ceftiofur and cefquinome in buffalo calves_ <u>Daundkar P.S.</u> , Bhaskar V. and Sharma S.K.
P-PK-05	Pharmacokinetics of gemifloxacin following intravenous and oral administration in layer birds Maradiya J.J., <u>Sadariya K.A.</u> , Bhavsar S.K. and Thaker A.M.
P-PK-06	Pharmacokinetics of cefquinome in buffalo calves <u>Dumka V.K.</u> and Venkatachalam D.
P-PK-07	Influence of ketoprofen administration on the disposition of marbofloxacin in buffalo calves <u>Dinesh M.B.</u> , Sharma S.K., Dumka V.K. and Rajdeep Kaur
P-PK-08	Disposition kinetics of marbofloxacin in calves after a single intramuscular injection. Dinodia N., <u>Sharma P.</u> , Gaur A., Meena M., Singh K., Parihar H.R. and Kumar V.
P-PK-09	Disposition kinetics of moxifloxacin following a single intramuscular injection in calves. Meena M., <u>Gaur A.</u> , Sharma P., Dinodia N., Kumar L., Lakshmikant and Kumar V.
P-MNP-01	Isobolographic analysis of bilirubin-deferoxamine combination for diabetic wound healing in rats <u>Aneesha V.A.</u> , Anagha S., Shah A.A., Naresh V.K., Kumawat S., Singh W.R., Qayoom A., Lingaraju Madhu, Thakur U.S. and Dinesh Kumar
P-MNP-02	Characterization of H ₁ and H ₂ histaminic receptors in reticular groove of adult goats_ <u>Aneesha V.A.</u> , Gopi R.P., Kumawat S., Sukumaran S.V., Vineetha S., Thakur U.S. and Dinesh Kumar
P-FS-01	Screening of antibacterials and chlorpyrifos residues in poultry birds of various farms and retail outlets of garhwal region, uttarakhand Patwal P.C., <u>Verma M.K.</u> , Ahmad A.H., Pant D., Aswal R., Maletha D. and Rawat P.
P-FS-02	Screening of antibacterials and chlorpyrifos residues in poultry birds of various farms and retail outlets of kumaon region, uttarakhand_ <u>Verma M.K.</u> , Patwal P.C., Ahmad A.H., Pant D., Aswathy P.U., Sharma S. and Arya N.
P-FS-03	Screening of antibiotic residues in cow and buffalo milk samples of nalanda district, bihar <u>Nirbhay Kumar</u> and Rakesh Kumar

P-AMR-01	Comparison of indirect tests to milk somatic cell count method for diagnosis of subclinical mastitis in lactating dairy cows Hallolli A.C., Manimaran A., Kumaresan A., Sakthivel J.K., Muniandy S., Sharma D., Arul Prakash M. and Duraisamy R.
P-AMR-02	Antibiotic resistance of <i>Escherichia Coli</i> isolated from fresh water fish Nayak J.B., Begadiya H.B., Parmar B.C., Chaudhary J.H. and Patel S.A.
P-AMR-03	Antimicrobial sensitivity pattern of <i>Pasteurella multocida</i> isolated from animals and avian species of gujarat state Bhanderi B. B., Roy A., Mathakiya R. A. and Jhala M. K.
P-AMR-04	Occurrence of methicillin resistant coagulase Negative <i>Staphylococcus spp.</i> (MRCONS) from bovine mastitis milk samples in and around junagadh district Nimavat V. R., Shah T.M., Mathapati B.S. and Javia B.B.
P-AMR-05	Comparative efficacy of feed anticoccidials on oocyst production in induced caecal coccidiosis in broiler birds Hirani N. D., Hasnani J. J., Patel P.V. and Chauhan V.D.
P-CRPT-01	Impact of extraction protocols on marbofloxacin recovery in LC MS/MS assay development Patel H. B., Singh R.D., Mody S.K., Gondaliya S.B. and Sarvaiya V. N.
P-CRPT-02	Clinical efficacy of linezolid in canine pyoderma against macrolide-lincosamide-streptogramin B (MLS _B) resistant <i>Staphylococcus aureus</i> Varshney J. P. and Sarita Devi
P-CRPT-03	Negligible alterations in hematological parameters during sub-acute diabetic condition in wounded rats Vinay Kant, Sharma M., Jangir B.L. and Kumar V.
P-CRPT-04	Dose-dependent effects of hemin in healing of cutaneous wound in rats Patel Madhuri, Shah A.A., Yangzom Padma, Naresh V.K., Singh W.R., Kumawat S., Sadam A., Aneesha V.A., Madhu C.L., Thakur U.S. and Dinesh Kumar
P-CRPT-05	Assessment of antidiabetic effect of alcoholic extracts of <i>Linum usitatissimum</i> in diabetic rats Kapuriya P.B., Sadariya K.A., Bhavsar S.K. and Thaker A.M.
P-CRPT-06	Comparative study of three different modern drugs against trichostrongylosis in goats Rajpura N.R., Mandali G.C., S.K. Raval and D.M. Patel

