

CONTENTS

Pest and Pest Control

- SARWAR, M. AND SATTAR, M. Varietals variability of winter rapes (*Brassica napus* L.) for their susceptibility to green aphid, *Myzus persicae* (Sulzer) (Homoptera: Aphididae) 883
- YOUSAFI, Q., AFZAL, M., ASLAM, M., RAZAQ, M. AND SHAHID, M. Screening of brinjal (*Solanum melongena* L.) varieties sown in autumn for resistance to cotton jassid, *Amrasca biguttula biguttula* (Ishida) 897
- ABRO, G.H., SYED, T.S., SHAH, A.H., CUI, J., SATTAR, M. AND AWAN, M.S. Efficacy and economics of different insecticides against stem borers, *Scirpophaga incertulas* (Walker) in rice crop 929
- REHMAN, H.M.U. MAHMOOD, R. AND RAZAQ, M. Phenology, distribution, biology and population trends of *Procontarinia matteiana* Kieffer and Cecconi (Diptera: Cecidomyiidae) in Punjab, Pakistan 941
- EKEH, F.N., OLERU, K.I., IVOKE, N., NWANI, C.D. AND EYO, J.E. Effects of *Citrus sinensis* peel oil on the oviposition and development of cowpea beetle *Callosobruchus maculatus* (Coleoptera: Chrysomelidae) in some legume grains 967
- AFSHAN, K., RIZVI, S.S.R., MUHAMMAD, A. AND QAYYUM, M. Geo-Morphometric approaches to the study of sexual size dimorphism in murid rodents .. 1035
- YOUAF, S., KHAN, S. AND ASLAM, M.T. Effect of pesticides on the soil microbial activity 1063
- AHMED, K. AND AWAN, M.S. Integrated management of insect pests of chickpea *Cicer arietinum* (L. Walp) in South Asian countries: present status and future strategies – A review 1125
- SAEED, Q., ZAKA, S.M., SAEED, S., AWAR, M.B., IQBAL, N., ALI, M.A. AND AKRAM, M.R. Management of

stored grain infested with red flour beetle *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae) in Southern Punjab, Pakistan (S.C.) 1167

Livestock / Animal Diseases

- MAHMOOD, A., KHAN, M.A., AHMAD, M.U.D., YOUNUS, M., CHAUDHRY, Z.I., AHAD, A., IQBAL, H.J., NASIR, M.K. AND RIAZ, M. Haematological, biochemical and therapeutic aspects of parturient haemoglobinuria in buffaloes 889
- SALEEM, M.H., KHAN, M.S., DURRANI, A.Z., HASSAN, A., IJAZ, M. AND ALI, M.M. Leptospirosis: An emerging zoonosis in Pakistan 909
- MASOOD, S., MAQBOOL, A., KHAN, U.J., CHAUDHRY, Z.I. AND ANJUM, A.A. Anti-cryptosporidium activity of albendazole, metronidazole and paromomycin in experimentally infected cattle 935
- RASHID, N., BAJWA, M.A., RAFEEQ, M., TARIQ, M.M., ABBAS, F., AWAN, M.A., KHAN, M.A., SHAHZAD, I., REHMAN, A. AND AHMAD, Z. Prevalence of aflatoxicosis in broiler chickens in Quetta, Pakistan 1021
- ALI, S., ALI, Q., ABATIH, E.N., ULLAH, N., MUHAMMAD, A., KHAN, I. AND AKHTER, S. Sero-prevalence of *Brucella abortus* among dairy cattle and buffaloes in Pothohar Plateau, Pakistan 1041
- KAKAR, M.U.H., MAQBOOL, A., KHAN, U.J., KAKAR, A., KHAN, M.S. AND LATEEF, M. Comparative efficacy of various indigenous and allopathic drugs against ovine fasciolosis (S.C.) 1170

Continued on page 1185

[Covered by ISI Web of Knowledge, Abstracted and indexed in *Biological Abstracts*, *Chemical Abstracts*, *Zoological Records*, *Information Retrieval Limited*, London, *Service Central De Documentation De L'ORSTOM*, Paris and *National Inquiry Services Centre*, South Africa, Contents accessible via EBSCO host™].

Fish and Fisheries

- RASOOL, F., QURESHI, N.A., PARVEEN, S., SIDDIQUE, M., HAMEED, A., KHAN N. AND IQBAL, K.J. Morphometric parameters based study of the hatchery raised and natural populations of *Labeo rohita* 903
- BAŞUSTA, A., BAŞUSTA, N. AND ÖZER, E.I. Length-weight relationship of two puffer fishes, *Lagocephalus sceleratus* and *Lagocephalus spadiceus*, from Iskenderun Bay, Northeastern Mediterranean, Turkey 1047
- WARYANI, B., ZHAO, Y., ZHANG, C., DAI, R. AND ABBASI, A.R. Anatomical studies of the olfactory epithelium of two cave fishes *Sinocyclocheilus jii* and *S. furcodusalis* (Cypriniformes: Cyprinidae) from China 1091
- KHAN, U., HASAN, Z., INAYATULLAH, M. AND JAN, A. Analysis of stomach contents of freshwater catfish, *Eutropiichthys vacha* (Hamilton, 1822) from Khyber Pakhtunkhwa Rivers, Pakistan (S.C.) 1153
- BASUSTA, A., BAL, H. AND ASLAN, E. Otolith biometry-total length relationships in the population of Hazar Bleak, *Alburnus heckeli* (Battalgil, 1943) Inhabiting Lake Hazar, Elazig, Turkey (S.C.) 1180

Toxicology

- LATIF, A., ALI, M., SAYYED, A.H., IQBAL, F., USMAN, K., RAUF, M. AND KAOSER, R. Effect of copper sulphate and lead nitrate, administered alone or in combination, on the histology of liver and kidney of *Labeo rohita* 913
- NAZ, S., JAVED, M. AND TAHIR, A. Assessing growth responses of fish exposed to heavy metals mixture by using regression analyses 921
- NWANI, C.D., IVOKE, N., UGWU, D.O., ATAMA, C., ONYISHI, G.C., ECHI, P.C. AND OGBONNA, S.A. Investigation on acute toxicity and behavioral changes in a freshwater African catfish, *Clarias gariepinus* (Burchell, 1822), exposed to organophosphorous pesticide, Termifos® 959

- AHMAD, M., ASHRAF, M., KHAN, M.S., JAVEED, A., DURRANI, A.Z., KHAN, M.R., ALTAF, I., IJAZ, M. AND MALIK, N.A. Toxic effects of chloroform and aqueous extracts of *Peganum harmala* on hematological and growth parameters in rabbits 989
- EL-NAGER, D.M. AND ALDAHMASH, B.A. Effect of corn oil, flaxseed oil and black seed oil on testicular damage induced by lead acetate in albino mice: A histological study 1083
- TABINDA, A.B., ZAFAR, S., YASAR, A. AND MUNIR, S. Metals concentration in water, fodder, milk, meat, blood, kidney and liver of livestock and associated health impacts by intake of contaminated milk and meat (S.C.) 1156
- SHOAIB, N., SIDDIQUI, P.J.A. AND KHALID, H. Toxicity of synthetic pyrethroid pesticides, fenpropathrin and fenvalerate, on killifish *Aphanius dispar* juveniles (S.C.) 1160

Wildlife

- KHAN, W.A. AND MIAN, A. Comparative population biology of black (*Francolinus francolinus*) and grey (*F. pondicerianus*) francolins under Lal Suhanra National Park (Pakistan) conditions 949
- SIDRA, S., ALI, Z. AND CHAUDHRY, M.N. Avian diversity at New Campus of Punjab University in relation to land use change .. 1069
- SCHELTEMA, G. Little gull: A new bird record for Pakistan (S.C.) 1177

Palaeontology

- KHAN, M.A., IQBAL, M., NAYYER, A.Q., AKHTAR, M., SHAHZADI, M. AND MAHMOOD, K. *Tetraconodon* (Mammalia: Artiodactyla: Suidae) from the Late Miocene Dhok Pathan formation of Pakistan 975
- KHAN, M.A., BATool, A., NAYYER, A.Q. AND AKHTAR, M. *Gazella lydekkeri* (Cetartiodactyla: Ruminantia: Bovidae) from the Middle Siwaliks of Hasnot (Late Miocene), Pakistan 981

Biochemistry / Physiology

- ZHU, W.-L., ZHANG, L. AND WANG, Z.-K. Effects of exogenous leptin on body mass, thermogenesis capacity and hormone concentrations of Yuman Chinese vole, *Eothenomys miletus*, under varied photoperiod 997
- ÖZPARLAK, H. Effect of seasons on fatty acid composition and n-3/n-6 ratios of muscle lipids of some fish species in Apa Dam Lake, Turkey 1027
- KHADIM, N., IQBAL, S., GILLANI, Q.A., SAFDAR, S. AND IQBAL, F. Supplementation of GABA-B receptor antagonist (CGP 55845), following hypoxia ischemia encephalopathy moderately affects the hematological and serum biochemical profile in albino mice (*S.C.*) 1164
- SEKI, Y. First report on the high magnitude of seasonal weight changes in the raccoon dog subspecies *Nyctereutes procyonoides viverrinus* in Japan (*S.C.*) 1172

Livestock Production

- DURU, M., ERDOĞAN, Z., DURU, A., KÜÇÜKGÜL, A., DÜZGÜNER, V., KAYA, D.A. AND ŞAHİN, A. Effect of seed powder of a herbal legume fenugreek (*Trigonella foenum-graceum* L.) on growth performance, body components, digestive parts, and blood parameters of broiler chicks 1007
- IQBAL, M.F., KHAN, R.N.A., HASHIM, M.M., AHMAD, T., MIAN, A.A., ISHAQ, K. AND REHMAN, A. Formononetin influences growth and immune responses in broilers 1015

Entomology

- SINGH, V. AND BANYAL, H.S. Insect fauna of Khajjiar Lake of Chamba District, Himachal Pradesh, India 1053

Human Diseases / Genetic Diseases

- NAZ, S., HAMEED, A., SHARIF, S., KOSAR, S., RASHID, F., SHEHZADI, A., FARASAT, T. AND FAZAL, S. Blindness and visual impairment in

retinitis pigmentosa: a Pakistani eye hospital-based study (*S.C.*) 1147

Microbiology

- SHAFEE, M., KHAN, A.W., SAMAD, A., ABBAS, F., BABAR, S., AWAN, M.A. AND WADOOD, A. Bacteriological quality assessment of raw milk under traditional managemental system in Quetta, Pakistan (*S.C.*) 1150

Cell Biology

- RASGELE, P.G. AND KAYMAK, F. Evaluation of genotoxic and cytotoxic effects of natamycin in mice bone marrow cells 1103

Marine Biology

- KIANI, M.S., IQBAL, P., SIDDIQUI, P.J.A. AND MOAZZAM, M. First records of the striped dolphin (*Stenella coeruleoalba*) and rough-toothed dolphin (*Steno bredanensis*) in Pakistani waters: A review of occurrence and conservation status in the Indian Ocean 1113
- Obituary note: Dr. Thomas Jones Roberts 1183