

PAKISTAN JOURNAL OF ZOOLOGY
(*Pakistan J. Zool.*)

Volume 47

April 2015

Number 2

C O N T E N T S

Pest & Pest Control

- KAKAR, A., ANWAR, M., KAMRAN, K. AND IQBAL, F. Chemical control of codling moth, *Cydia pomonella* L. (Lepidoptera: Tortricidae) in relation to pheromone trap catches and degree days in upland Balochistan 297
- GUL, H.T., FREED, S., AKMAL, M. AND MALIK, M.N. Vulnerability of different life stages of *Bactrocera zonata* (Tephritidae: Diptera) against entomogenous fungi 307
- UJJAN, A.A., KHANZADA, M.A., MAHAR, A.Q. AND SHAHZAD, S. Efficiency of *Metarhizium* spp. (Sorokin) strains and insecticides against cotton mealybug *Phenacoccus solenopsis* (Tinsley) 351
- HUSSAIN, S.A.S., IQBAL, T. AND RASHID, M.M. Comparative effect of different pest control practices on the population of sucking insect pests and yield of sunflower (*Helianthus annuus*) (S.C.) 585

Fisheries

- FAZIO, F., ARFUSO, F., FORTINO, G., PICCIONE, G. AND FAGGIO, C. Blood and biometric data on an established *Salmo trutta macrostigma* (Dumeril, 1858) population in an Italian stream: preliminary results 319
- DEMIRHAN, S.A. AND AKBULUT, F. Age and growth of the bluemouth rockfish, *Helicolenus dactylopterus* (Delaroche 1809) from the North-Eastern Mediterranean Sea, Turkey 523

Wildlife, Ecology, Environmental Disasters

- YAO, G., WANG, B.-B., ZHU, Y., WAN, Q.-H. AND FANG, S.-G. Low population density of the endangered forest musk deer, *Moschus berezovskii*, in China 323
- THAKUR, M.L. AND NEGI, V. Status and

- phylogenetic analyses of endemic birds of the Himalayan region 417
- LI, B., RAN, J., YUE, B., ZHANG, M. AND WU, Y. Non-volant small mammals in landslides caused by the Wenchuan earthquake in a fragmented forest of Sichuan, China 535
- TAIBI, A., HERNÁNDEZ, M.Á., BENTAALLAH, M.E.A. AND DOUMANDJI, S. New evidence on morphology and distribution of the southern grey shrike (*Lanius meridionalis*) in Maghreb (S.C.) 571

Microbiology

- ASLAM, A., AKHTAR, N., HASAN, F. AND SHAH, A.A. Prevalence and *in vitro* antifungal susceptibility pattern of *Candida* species in a tertiary care hospital, Rawalpindi, Pakistan 335
- SHAHID, M.G., ALI, S. AND NADEEM, M. Biosynthesis of ergot alkaloids by *Penicillium citrinum* through surface culture fermentation process 361
- MASOOD, F., YASIN, T. AND HAMEED, A. Production and characterization of tailor-made polyhydroxyalkanoates by *Bacillus cereus* FC11 491
- RIAZ, M., AMIR, M., AKHTAR, S., FAROOQ, A., ISMAIL, A., ISMAIL, T. AND HAMEED, A. Bacteriological analysis of street vended raw milk in Multan (S.C.) 568

Entomology

- HONEY, S.F., BASHIR, M.H., KHAN, B.S. AND SHAHID, M. A new species of the genus *Euseius* Wainstein (Acari: Phytoseiidae) and re-description of *Euseius septicus* Chaudhri *et al.*, 1979 from Pakistan 343
- JAMIL, A., ABDIN, Z.U., ARSHAD, M.,

- FALABELLA, P., ABBAS, S.K., TAHIR, M., JAMIL, A., MANZOOR, A. AND SHAINA, H. Multiple effects of host density on egg density and the sex ratio of progeny of *Bracon hebetor* (Say.) (Hymenoptera: Braconidae) 455
- MUKHTAR, M.K. Two new species of the genus *Cheiracanthium* C. L. Koch (Araneae: Eutichuridae) from Punjab, Pakistan 467
- KHERBOUCHE, Y., SEKOUR, M., GASMI, D., CHAABNA, A., CHAKALI, G., LASSEURRE-JOULIN, F. AND DOUMANDJI, S. Diversity and distribution of arthropod community in the lucerne fields in Northern Sahara of Algeria 505
- KACAR, G. Biodiversity of spider species, interactions with horticultural crops and a new record for Turkey 545
- HUSSAIN, S., ALDRYHIM, Y. AND AL-DHAFER, H. First record of the aphid genus *Coloradoa* Wilson (Hemiptera: Aphididae) from Saudi Arabia, with some morphological notes on variation in *C. rufomaculata* (Wilson, 1908) (S.C.) 580
- AHMED, Z., SANBORN, A.F. AND KHATRI, I. A key to the cicada fauna of Pakistan based on structural variation in the timbals (Hemiptera: Cicadoidea) (S.C.) 589

Palaeontology

- MAHMOOD, K., KHAN, M.A., SIDDIQ, M.K., BABAR, M.A. AND AKHTAR, M. New fossils of *Giraffokeryx* (Mammalia: Cetartiodactyla: Giraffidae) from Chinji formation, Pakistan 367

Toxicology

- KHAN, Z.I., AHMAD, K., AKRAM, N.A., MUSTAFA, I., IBRAHIM, M., FARDOUS, A., GONDAL, S., HUSSAIN, A., ARSHAD, F., NOORKA, I.R., YOUSAF, M., ZAHOOR, A.F., SHER, M., HUSSAIN, A., SHAD, H.A. AND RASHID, U. Heavy metals concentration in soil-plant-animal continuum under semi-arid conditions of Punjab, Pakistan 377
- FOUAD, D. Antioxidant and modulatory effect of melatonin on hepatotoxicity and oxidative stress induced by orange yellow S in male rats 383
- DKHIL, M.A., BAUOMY, A.A., DIAB,

- M.S.M. AND AL-QURAISHY, S. The antioxidant effect of *Morus alba* leaves extract on kidney, testes, spleen and intestine of mice 393
- AMBREEN, F., JAVED, M. AND BATOOL, U. Tissue specific heavy metals uptake in economically important fish, *Cyprinus carpio* at acute exposure of metals mixtures 399
- DUYSAK, Ö. AND DURAL, M. Heavy metal concentrations in tissues of short-finned squid *Illex coindetii* (Cephalopoda: Ommastrephidae) (Vérany, 1839) in Iskenderun Bay, North-Eastern Mediterranean 447
- MAHBOOB, S., GHAZALA, AL-GHANIM, K.A., SULTANA, S., AL-BALAWI, H.F.A., SULTANA, T., AL-MISNED, F. AND AHMED, Z. A study on acute toxicity of triazophos, profenofos, carbofuran and carbaryl pesticides on *Cirrhinus mrigala* 461
- HUSSAIN, L., NASEEM, S., IKRAM, J., ALI, M., IMRAN, I., MOGA, M. AND HAQ, M.Z.U. Antiulcerogenic effect of *Carthamus oxyantha* M. Bieb (Asteraceae) in mice and rat models 529
- HAMDANI, D.A., JAVEED, A., ASHRAF, M., NAZIR, J., GHAFOOR, A. AND YOUSAF, M.S. Effects of ketoprofen on cellular immune responses in mice 551
- TAHIRA, I., SULTANA, N., HANIF, N.Q. AND MUHAMMAD, G. Melamine residues in pet food – Preliminary report (S.C.) 591

Physiology

- YU, P.-H., WENG, C.-C., KUO, H.-C. AND CHI, C.-H. Serum progesterone and estradiol levels throughout the endoscopy-observed ovarian cycle in captive formasan macaques (*Macaca cyclopis*) 409
- YU, W., ZHANG, X., AHMAD, H., ZHAO, L., WANG, T. AND CAO, F. Intestinal absorption function of broiler chicks supplemented with *Ginkgo* leaves fermented with *Bacillus* species 479

Cell and Molecular Biology

- QIAN, C., ZHANG, X.-J., ZHU, B.-J., WANG, L., WEI, G.-Q., SUN, Y. AND LIU, C.-L. Cloning, expression and analysis of a novel defense gene from *Antheraea pernyi* 427

AHMAD, A., ASHRAF, S., AL-GHANIM, K., MEHMOOB, S., TOOR, R.H. AND SHAKOORI, A.R. Anti-proliferative effects of arsenic, cadmium and lead on rat pups brain cells	515
ZHAO, G., HU, Y., CHEN, P., AND SHEN, Z. Ethanol-induced changes in neuron and astrocyte number in the rat cerebral cortex	559

Anatomy

DÜZLER, A., KABAK, M., ONUK, B. AND ATALAR, K. Arterial supply of the cranial cervical ganglion in roe deer (<i>Capreolus capreolus</i>).....	435
KHAN, H., RIND, M.M., AHMAD, S., MEHMOOD, M.U., SULTAN, A., SHAHZAD, Q., RAZA, S., KHAN, M.S. AND ALI, I. Gross morphometric features of the epididymis in adult male Pakistani goats (<i>Capra hircus</i>) (S.C.)	574

Animal Diseases

FATIMA, M., SAEED, S., SHAIKH, R.S., ALI, M. AND IQBAL, F. A study on molecular detection of <i>Theileria lestoquardi</i> by PCR amplification in apparently healthy small ruminants from five districts of Southern Punjab	441
EJAZ, H., HASHMI, H., AWAN, M.A., KAKAR, M.A., SHAHWANI, M.N.,	

AMEEN, S., BUKHARI, F.A., HAMEED, T. AND TARIQ, M.M. Molecular study on the prevalence of respiratory <i>Mycoplasma</i> species in small ruminants of Kuchlak, District Quetta and Khanozai, District Pishin, Balochistan	473
IQBAL, U., AWAN, F. AND IJAZ, M. A report on uterine leiomyoma in nili Ravi buffalo (S.C.)	578

Parasitology

KHAN, W., NISA, N.U. AND KHAN, A. Diversity of intestinal parasites in male and female students and workers of education department of Swat, Pakistan (S.C.)	565
--	-----

Human Genetics

ZHU, J., LIU, H., WANG, Y., KHAN, M.R., BUKHARI, I. AND WANG, B. Genetic and clinical features of triploid fetus: A case report in Han Chinese population (S.C.)	595
--	-----

Continued on page 599

[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™*].

Website: www.zsp.com.pk
Impact Factor = 0.400