Volume 115 In progress (February 2018) This issue is in progress but contains articles that are final and fully citable. Previous vol/issue Next vol/issue **Download PDFs Export** 1. Genetics of bi-component leukocidin and drug resistance in nasal and clinical Staphylococcus aureus in Lagos, Nigeria Original research article Pages 1-7 Nkechi V. Enwuru, Solayide A. Adesida, Christian A. Enwuru, Beniam Ghebremedhin, ... Akitoye O. Coker Purchase PDF Article preview 2. Comparative therapeutic efficacy of Phyllanthus emblica (Amla) fruit extract and procaine penicillin in the treatment of subclinical mastitis in dairy buffaloes

Original research article Pages 8-11 Aimal Khan, Tanveer Ahmed, Muhammad Rizwan, Najma Khan Purchase PDF Article preview

3.

Antimicrobial activity of *Bulbothrix setschwanensis* (Zahlbr.) Hale lichen by cell wall disruption of Staphylococcus aureus and Cryptococcus neoformans

Original research article Pages 12-18 Indresh K. Maurya, Samer Singh, Rupinder Tewari, Manish Tripathi, ... Yogesh Joshi **Purchase PDF** Article preview

Expression of superantigens and the agr system in Staphylococcus epidermidis

Original research article

Pages 19-24

Valéria Cataneli Pereira, Luiza Pinheiro, Adilson Oliveira, Katheryne Benini Martins, ... Maria de Lourdes Ribeiro de Souza da Cunha

Purchase PDF

Article preview

5.

Detection of VIM-1 and IMP-1 genes in *Klebsiella pneumoniae* and relationship with biofilm formation

Original research article

Pages 25-30

Rohollah Khodadadian, Hossein Ali Rahdar, Ali Javadi, Mahmod Safari, Ahmad Khorshidi

Purchase PDF

Article preview

6.

Biological synthesis of silver nanoparticles using β -1, 3 glucan binding protein and their antibacterial, antibiofilm and cytotoxic potential

Original research article

Pages 31-40

Mahalingam Anjugam, Baskaralingam Vaseeharan, Arokiadhas Iswarya, Mani Divya, ... Krishnasamy Sankaranarayanan

Purchase PDF

Article preview

7.

Synthesis and antibacterial activity of new peptides from Alfalfa RuBisCO protein hydrolysates and mode of action via a membrane damage mechanism against *Listeria innocua*

Original research article

Pages 41-49

Sabrine Kobbi, Naima Nedjar, Nourdine Chihib, Rafik Balti, ... Ali Bougatef Purchase PDF

A 4: 1

Article preview

8.

Evaluation of immune responses induced by polymeric OMP25-BLS *Brucella* antigen

Original research article
Pages 50-56
Soheil Yousefi, Tooba Abbassi-Daloii, Mohammad Hadi Sekhavati, Mojtaba
Tahmoorespur
Purchase PDF
Article preview

9.

Green synthesis of anisotropic zinc oxide nanoparticles with antibacterial and cytofriendly properties

Original research article
Pages 57-63
M. Saravanan, V. Gopinath, Mukesh Kumar Chaurasia, Asad Syed, ... N.
Purushothaman
Purchase PDF
Article preview

10

Aeromonas caviae alters the activities of ecto-enzymes that hydrolyze adenine nucleotides in fish thrombocytes

Pages 64-67 Matheus D. Baldissera, Carine F. Souza, Camila M. Verdi, Bruno S. Vizzotto, ... Bernardo Baldisserotto Purchase PDF Article preview

11.

Mechanism of bio molecule stabilized selenium nanoparticles against oxidation process and *Clostridium Botulinum*

Original research article Pages 68-73 Foysal Kabir Tareq, Mst. Fayzunnesa, Md. Shahariar Kabir, Musrat Nuzat Purchase PDF Article preview

12

Preparation, characterization and immunological evaluation of alginate nanoparticles loaded with whole inactivated influenza virus: Dry powder formulation for nasal immunization in rabbits

Original research article
Pages 74-85
Solmaz Dehghan, Masoumeh Tavassoti Kheiri, Khalil Abnous, Maryam Eskandari,
Mohsen Tafaghodi
Purchase PDF
Article preview

13.

Myxobolus okamurae sp. nov. (Myxosporea: Myxozoa) causing severe gill myxoboliosis in the cyprinid *Labeo bata* in a cold water wetland, Punjab (India)

Original research article Pages 86-92 Aditya Gupta, Harpreet Kaur Purchase PDF Article preview

14.

Prevalence, quantification and isolation of pathogenic shiga toxin *Escherichia coli* O157:H7 along the production and supply chain of pork around Hubei Province of China

Original research article Pages 93-99 Sher Bahadar Khan, Geng Zou, Ran Xiao, Yuting Cheng, ... Rui Zhou Purchase PDF Article preview

15.

The evaluation of immunogenic impact of selected bacterial, recombinant Hsp60 antigens in DBA/2J mice

Open access - Original research article Pages 100-111 Joanna Bajzert, Michał Gorczykowski, Józef Galli, Tadeusz Stefaniak **Download PDF** Article preview 16. Molecular characterization of extended spectrum β-lactamaseproducing *Enterobacteriaceae*strains isolated from a tertiary care hospital Original research article Pages 112-116 Jayanti Jena, Nagen Kumar Debata, Rajesh Kumar Sahoo, Mahendra Gaur, Enketeswara Subudhi Purchase PDF Article preview 17. Effects of prolonged exposure to moderate static magnetic field and its synergistic effects with alkaline pH on Enterococcus faecalis Original research article Pages 117-122 Wei Fan, Zhuo Huang, Bing Fan Purchase PDF Article preview 18. Dysbiosis of the fecal microbiota in feedlot cattle with hemorrhagic diarrhea Original research article Pages 123-130 Mohamed Zeineldin, Brian Aldridge, James Lowe Purchase PDF Article preview

Unique biomarkers as a potential predictive tool for differentiation of *Bacillus cereus* group based on real-time PCR

Original research article
Pages 131-137
Byung-Jae Park, Ramachandran Chelliah, Shuai Wei, Joong-Hyun Park, ... DeogHwan Oh
Purchase PDF
Article preview

20.

Antibacterial activity and virtual screening by molecular docking of lycorine from *Pancratium foetidum* Pom (Moroccan endemic Amaryllidaceae)

Original research article
Pages 138-145
H. Bendaif, A. Melhaoui, M. Ramdani, H. Elmsellem, ... Y. El Ouadi
Purchase PDF
Article preview

21.

Isolation, structure elucidation and anticancer activity from *Brevibacillus brevis* EGS 9 that combats Multi Drug Resistant actinobacteria

Original research article
Pages 146-153
T. Arumugam, P. Senthil Kumar, R.V. Hemavathy, V. Swetha, R. Karishma Sri
Purchase PDF
Article preview

22

Correlation and *in vitro* mechanism of bactericidal activity on *E. coli* with whey protein isolate during ultrasonic treatment

Original research article Pages 154-158 Liyan Liu, Ruirui Xu, Lin Li, Bing Li, ... Zhenbo Xu Purchase PDF Article preview

Screening, nutritional optimization and purification for phytase produced by *Enterobacter aerogenes* and its role in enhancement of hydrocarbons degradation and biofilm inhibition

Original research article

Pages 159-167

Sahira Nsayef Muslim, Alaa Naseer Mohammed Ali, Israa M.S. AL-Kadmy, Saba Saadoon Khazaal, ... Sarah Naji Aziz

Purchase PDF

Article preview

24.

Prevalence of human influenza virus in Iran: Evidence from a systematic review and meta-analysis

Review article

Pages 168-174

Sayed-Hamidreza Mozhgani, Mohadeseh Zarei Ghobadi, Sina Moeini, Reza Pakzad. ... Farida Behzadian

Purchase PDF

Article preview

25.

Evaluation of antibacterial and modifying action of catechin antibiotics in resistant strains

Pages 175-178

Fernanda Mateus Silva Gomes, Jayze da Cunha Xavier, Joycy Francely Sampaio dos Santos, Yedda Maria Lobo Soares de Matos, ... Henrique Douglas Melo Coutinho

Purchase PDF

Article preview

26.

Hydromethanolic extract of *Rehum emodi* exhibits significant antimicrobial activity against acute gastroenteriti bacterial strains

Original research article

Pages 179-182

Jing Jiang, Ren-Ping Wang, Ming-Hui Hou, Han-Yun Liu, ... Chang-Song Jiang Purchase PDF

Article preview

27

Recombinant M2e-HA2 fusion protein induced immunity responses against intranasally administered H9N2 influenza virus

Original research article Pages 183-188 Mehdi Golchin, Masoud Moghadaszadeh, Hadi Tavakkoli, Reza Ghanbarpour, Siavoush Dastmalchi Purchase PDF Article preview

28.

Human endogenous retrovirus env genes: Potential blood biomarkers in lung cancer

Original research article Pages 189-193 Mokhtar Zare, Shayan Mostafaei, Ali Ahmadi, Sadegh Azimzadeh Jamalkandi, ... Mojtaba Saadati Purchase PDF Article preview

29

Subtractive genome analysis for *in silico* identification and characterization of novel drug targets in Streptococcus pneumonia strain JJA

Original research article Pages 194-198 Abdul Wadood, Alam Jamal, Muhammad Riaz, Ajmal Khan, ... Syed Sikander Azam Purchase PDF Article preview

30.

Salmonella as an endophytic colonizer of plants - A risk for health safety vegetable production

Original research article Pages 199-207

Igor Kljujev, Vera Raicevic, Bojana Vujovic, Michael Rothballer, Michael Schmid Purchase PDF Article preview 31 Role of dose dependent *Escherichia coli* as ruminal anti-microflora agent to mitigate biogases production in prickly pear cactus flour based diet Original research article Pages 208-215 Mona M.Y. Elghandour, Ameer Khusro, Abdelfattah Z.M. Salem, María Antonia Mariezcurrena-Berasain, ... Moisés Cipriano-Salazar Purchase PDF Article preview 32 Antigenic and pathogenicity activities of *Ralstonia solanacearum* race 3 biovar 2 molecularly identified and detected by indirect ELISA using polyclonal antibodies generated in rabbits Original research article Pages 216-221 Said I. Behiry, Abeer A. Mohamed, Hosny A. Younes, Mohamed Z.M. Salem, Abdelfattah Z.M. Salem Purchase PDF Article preview 33. Epigallocatechin gallate can attenuate human alveolar epithelial cell injury induced by alpha-haemolysin

Original research article
Pages 222-226
Yonglin Zhou, Chengzhen Chen, Juan Pan, Xuming Deng, Jianfeng Wang
Purchase PDF
Article preview

Limonia acidissima L. leaf mediated synthesis of silver and zinc oxide

nanoparticles and their antibacterial activities

34

Original research article
Pages 227-232
Bheemanagouda N. Patil, T.C. Taranath
Purchase PDF
Article preview

35

An evidence of C16 fatty acid methyl esters extracted from microalga for effective antimicrobial and antioxidant property

Original research article
Pages 233-238
Mubarak Ali Davoodbasha, Baldev Edachery, Thajuddin Nooruddin, Sang-Yul Lee,
Jung-Wan Kim
Purchase PDF
Article preview

36.

Killing of *S. aureus* in murine peritoneal macrophages by Ascorbic acid along with antibiotics Chloramphenicol or Ofloxacin: Correlation with inflammation

Original research article Pages 239-250 Somrita Dey, Biswadev Bishayi Purchase PDF Article preview

37.

Diversity of virulence genes in multidrug resistant *Pseudomonas aeruginosa* isolated from burn wound infections

Original research article
Pages 251-256
Fakhri Haghi, Habib Zeighami, Arefeh Monazami, Farnaz Toutouchi, ... Ghazal
Naderi
Purchase PDF
Article preview

Detection of virulence genes determining the ability to adhere and invade in *Campylobacter*spp. from cattle and swine in Poland

Original research article
Pages 257-263
Beata Wysok, Joanna Wojtacka
Purchase PDF
Article preview

39.

Anti-biofilm and anti-virulence potential of 3,7-dimethyloct-6-enal derived from *Citrus hystrix* against bacterial blight of rice caused by *Xanthomonas oryzae* pv. *oryzae*

Original research article
Pages 264-271
Akanksha Singh, Rupali Gupta, Sudeep Tandon, Prateeksha, Rakesh Pandey
Purchase PDF
Article preview

40.

Salt stress affects global protein expression profiles of extracellular membranederived vesicles of *Listeria monocytogenes*

Original research article Pages 272-279 Taewon Lee, So Hyun Jun, Chi Won Choi, Seung Il Kim, ... Ji Hyun Shin Purchase PDF Article preview

41.

Analysis of the influence of living environment and age on vaginal fungal microbiome in giant pandas (*Ailuropoda melanoleuca*) by high throughput sequencing

Original research article Pages 280-286 Danyu Chen, Caiwu Li, Lan Feng, Zhizhong Zhang, ... Xin Yang Purchase PDF Article preview Preparation, characterization and antifungal activity of iron oxide nanoparticles

Original research article
Pages 287-292
Shazia Parveen, Abdul Hamid Wani, Mohammad Ashraf Shah, Henam Sylvia Devi,
... Jahangir Abdullah Koka
Purchase PDF
Article preview

Antibacterial activity of *Lactobacillus plantarum* isolated from Tibetan yaks

Original research article
Pages 293-298
Lei Wang, Hui Zhang, Mujeeb Ur Rehman, Khalid Mehmood, ... Jiakui Li
Purchase PDF
Article preview

Evaluation of truncated G protein delivered by live attenuated *Salmonella* as a vaccine against respiratory syncytial virus

Original research article
Pages 299-303
Puyuan Tian, Di Xu, Zhixiang Huang, Fanjing Meng, ... Tingtao Chen
Purchase PDF
Article preview

Bovine intramammary infection associated immunogenic surface proteins of *Streptococcus uberis*

Original research article Pages 304-311 O. Kerro Dego, R.A. Almeida, A.M. Saxton, R.D. Abdi, ... S.P. Oliver Purchase PDF Article preview

46.

45

Molecular discrimination of *Bacillus cereus* group species in foods (lettuce, spinach, and kimbap) using quantitative real-time PCR targeting *groEL* and *gyrB*

Original research article
Pages 312-320
Shuai Wei, Ramachandran Chelliah, Byung-Jae Park, Joong-Hyun Park, ... DeogHwan Oh
Purchase PDF
Article preview

47

The *malS-5'*UTR weakens the ability of *Salmonella enterica* serovar Typhi to survive in macrophages by increasing intracellular ATP levels

Original research article
Pages 321-331
Fang Dong, Lin Xia, Renfei Lu, Xin Zhao, ... Xinxiang Huang
Purchase PDF
Article preview

48.

High-resolution melting-curve (HRM) analysis for *C. meleagridis* identification in stool samples

Original research article Pages 332-337 Hanen Chelbi, Rym Essid, Refka Jelassi, Nesrine Bouzekri, ... Karim Aoun Purchase PDF Article preview

49.

Antibacterial, and antioxidant potentials of non-cytotoxic extract of *Trichoderma* atroviride

Original research article
Pages 338-342
Kandasamy Saravanakumar, Ramachandran Chelliah, Sudha Rani Ramakrishnan,
Kandasamy Kathiresan, ... Myeong-Hyeon Wang
Purchase PDF
Article preview

Pathway analysis of differentially expressed genes in *Mycobacterium bovis* challenged bovine macrophages

Original research article

Pages 343-352

Sanjeev Kumar Shukla, Shubhra Shukla, Rehan Khan, Anuj Ahuja, ... Ajay Vir Singh

Purchase PDF

Article preview

51

Candida infanticola and Candida spencermartinsiae yeasts: Possible emerging species in cancer patients

Original research article

Pages 353-357

Tahereh Shokohi, Narges Aslani, Fatemeh Ahangarkani, Masoumeh Fatahi Meyabadi, ... Hamid Badali

Purchase PDF

Article preview

52

Bactericidal effect of silver nanoparticles against propagation of *Clavibacter michiganensis* infection in *Lycopersicon esculentum* Mill

Original research article

Pages 358-362

Raymundo Rene Rivas-Cáceres, Jose Luis Stephano-Hornedo, Jorge Lugo, Rocio

Vaca, ... Peter Adeniyi Alaba

Purchase PDF

Article preview

ISSN: 0882-4010

Copyright © 2018 Elsevier Ltd. All rights reserved