
EDITORIAL

- Thank you and goodbye** 845–845
P. Borriello
- Welcome from Norman Fry and Kalai Mathee, new co-Editors-in-Chief for the *Journal of Medical Microbiology*** 846–846
N. K. Fry and K. Mathee

REVIEW

- Molecular mechanisms and epidemiology of resistance in *Streptococcus pneumoniae* in the Middle East region** 847–858
G. El Moujaber, M. Osman, R. Rafei, F. Daboussi and M. Hamze

CLINICAL MICROBIOLOGY

- First description of methyltransferases in extensively drug-resistant *Klebsiella pneumoniae* isolates from Saudi Arabia** 859–863
B. Abdalhamid, N. Elhadi, S. Albunayan, K. Alsamman and R. Aljindan
- Staphylococcus epidermidis* lipoteichoic acid: exocellular release and *ItaS* gene expression in clinical and commensal isolates** 864–873
E. García-Gómez, J. F. T. Miranda-Ozuna, F. Díaz-Cedillo, E. A. Vázquez-Sánchez, S. Rodríguez-Martínez, J. Jan-Roblero, M. E. Cancino-Díaz and J. C. Cancino-Díaz
- The distribution of carbapenem- and colistin-resistance in Gram-negative bacteria from the Tamil Nadu region in India** 874–883
P. Manohar, T. Shanthini, R. Ayyanar, B. Bozdogan, A. Wilson, A. J. Tamhankar, R. Nachimuthu and B. S. Lopes
- Rapid detection of extended-spectrum- β -lactamase-producing *Enterobacteriaceae* in blood cultures using the ESBL NDP test in Cotonou, Benin** 884–887
D. Affolabi, F. Sogbo, G. Laleye, J. Orekan, F. Massou, A. Kehinde and S. Anagonou
- Evaluation of recombinant factor C assay for the detection of divergent lipopolysaccharide structural species and comparison with *Limulus amebocyte lysate*-based assays and a human monocyte activity assay** 888–897
W. Abate, A. A. Sattar, J. Liu, M. E. Conway and S. K. Jackson
- Effect of involved *Aspergillus* species on galactomannan in bronchoalveolar lavage of patients with invasive aspergillosis** 898–904
M. Taghizadeh-Armaki, M. T. Hedayati, V. Moqarabzadeh, S. Ansari, S. Mahdavi Omran, H. Zarrinfar, S. Saber, P. E. Verweij, D. W. Denning and S. Seyedmousavi
- Evaluation of biofilm-specific antimicrobial resistance genes in *Pseudomonas aeruginosa* isolates in Farabi Hospital** 905–909
M. Saffari, S. Karami, F. Firoozeh and M. Sehat
- Rapid diagnosis of extrapulmonary tuberculosis with Xpert *Mycobacterium tuberculosis/rifampicin* assay** 910–914
Y. Li, Y. Pang, T. Zhang, X. Xian, X. Wang, J. Yang, R. Wang, M. Chen and W. Chen

Distribution of <i>Chlamydia trachomatis</i> genotypes in neonatal conjunctivitis in Hungary <i>E. Balla, F. Petrovay, T. Erdősi, A. Balázs, J. Henczkó, E. Urbán and G. G. G. Donders</i>	915–918
In vitro synergistic effects of a short cationic peptide and clinically used antibiotics against drug-resistant isolates of <i>Brucella melitensis</i> <i>Z. Mohammadi Azad, H. Moravej, M. Fasihi-Ramandi, F. Masjedian, R. Nazari, R. Mirnejad and M. Moosazadeh Moghaddam</i>	919–926
Comparative study of isolates from community-acquired and catheter-associated urinary tract infections with reference to biofilm-producing property, antibiotic sensitivity and multi-drug resistance <i>V. Bardoloi and K. V. Yogeesha Babu</i>	927–936
Development and evaluation of a multiple-locus variable-number tandem-repeats analysis assay for subtyping <i>Salmonella Typhi</i> strains from sub-Saharan Africa <i>N. P. Tau, A. M. Smith, J. R. Wain, A. Tarupiwa, K. J. Coulibaly, K. H. Keddy for GERMS-SA</i>	937–945
Effective protection of mice against <i>Shigella flexneri</i> with a new self-adjuvant multicomponent vaccine <i>Y. Pastor, A. Camacho, A. G. Gil, R. Ramos, A. L. de Ceráin, I. Peñuelas, J. M. Irache and C. Gamazo</i>	946–958
Retention of virulence following colistin adaptation in <i>Klebsiella pneumoniae</i> is strain-dependent rather than associated with specific mutations <i>M. E. Wand, L. J. Bock and J. M. Sutton</i>	959–964
Cell surface physiology and outer cell envelope impermeability for hydrophobic substances in <i>Burkholderia multivorans</i> <i>S. A. Ruskoiki and F. R. Champlin</i>	965–971
High prevalence of multidrug-resistant <i>Escherichia coli</i> isolates from children with and without diarrhoea and their susceptibility to the antibacterial activity of extracts/fractions of fruits native to Mexico <i>M. d. J. Uribe-Beltrán, Y. P. Ahumada-Santos, S. P. Díaz-Camacho, C. A. Eslava-Campos, J. E. Reyes-Valenzuela, M. E. Báez-Flores, I. Osuna-Ramírez and F. Delgado-Vargas</i>	972–980

MICROBIAL ECOLOGY AND HEALTH

Is SpxA2 involved in hydrogen peroxide production and competence development in <i>Streptococcus sanguinis</i>? <i>T. Li, M. Xu and L. Zheng</i>	981–989
--	---------

MICROBIAL EPIDEMIOLOGY

Candidaemia in a tertiary care academic hospital in Italy. The impact of <i>C. parapsilosis</i> complex on the species distribution and antifungal susceptibility <i>M. C. Ghezzi, G. Brunetti, V. Visconti, A. Giordano and G. Raponi</i>	990–998
Molecular epidemiology of beta-lactamase producing nosocomial Gram-negative pathogens from North and South Indian hospitals <i>S. Khurana, P. Mathur, A. Kapil, C. Valsan and B. Behera</i>	999–1004
A high prevalence of beak and feather disease virus in non-psittacine Australian birds <i>J. Amery-Gale, M. S. Marenda, J. Owens, P. A. Eden, G. F. Browning and J. M. Devlin</i>	1005–1013

Evolutionary changes in the capsid P2 region of Australian strains of the norovirus GII.Pe_GII.4

L. D. Bruggink, J. M. Moselen, J. A. Roberts and J. A. Marshall

1014–1022

Minimum inhibitory concentration distributions for first- and second-line antimicrobials against *Mycobacterium tuberculosis*

R. M. Burke, J. Coronel and D. Moore

1023–1026

ONE HEALTH

Characterization of high level ampicillin- and aminoglycoside-resistant enterococci isolated from non-hospital sources

E. O. Ngbede, M. A. Raji, C. N. Kwanashie, J. K. P. Kwaga, A. A. Adikwu, N. A. Maurice and A. M. Adamu

1027–1032

PATHOGENICITY AND VIRULENCE/HOST RESPONSE

***Mycobacterium tuberculosis* hypoxic response protein 1 (Hrp1) augments the pro-inflammatory response and enhances the survival of *Mycobacterium smegmatis* in murine macrophages**

C. Sun, G. Yang, J. Yuan, X. Peng, C. Zhang, X. Zhai, T. Luo and L. Bao

1033–1044

Quantitative and structural analyses of the *in vitro* and *ex vivo* biofilm-forming ability of dermatophytes

R. S. N. Brilhante, E. E. M. Correia, G. M. d. M. Guedes, V. S. Pereira, J. S. de Oliveira, S. P. Bandeira, L. P. de Alencar, A. R. C. de Andrade, D. d. S. C. M. Castelo-Branco, R. d. A. Cordeiro, A. d. Q. Pinheiro, L. J. Q. Chaves, W. d. A. Pereira Neto, J. J. C. Sidrim and M. F. G. Rocha

1045–1052

Hyperinvasiveness and increased intercellular spread of *Listeria monocytogenes* sequence type 1 are independent of listeriolysin S, internalin F and internalin J1

S. Rupp, M. Bärtschi, J. Frey and A. Oevermann

1053–1062

PREVENTION AND THERAPY

Comparative analysis of the genomes of clinical isolates of *Mycobacterium avium* subsp. *hominissuis* regarding virulence-related genes

B. Jeffrey, S. J. Rose, K. Gilbert, M. Lewis and L. E. Bermudez

1063–1075

Chemical composition and cytotoxicity of extracts of marjoram and rosemary and their activity against *Sporothrix brasiliensis*

S. B. Waller, I. M. Madrid, J. F. Hoffmann, T. Picoli, M. B. Cleff, F. C. Chaves, R. O. de Faria, M. C. A. Meireles and J. R. Braga de Mello

1076–1083