

## Contents Volume 19 - 2016

- A**guiar-Alves F → Silva-Santana G  
Alansari AS → Yaish MW  
Alcamí A → Núñez A  
Al-Harrasi I → Yaish, MW  
Allan Green TG → Fernández-Martínez MA  
Almarza O → A functional ferric uptake regulator (Fur) protein in the fish pathogen *Piscirickettsia salmonis*, 49  
doi: 10.2436/20.1501.01.263  
Álvarez-Contreras AK → Hernández-Robles MF  
Al-Yahyai R → Yaish MW  
Amo de Paz G → Núñez A  
Arróniz-Crespo M → Fernández-Martínez MA  
Avilés-Reyes RX → Mora FX  
Ayala M → Almarza O
- B**elda-Ferre P → Lasa A  
Bru S → Jiménez J
- C**amacho-López MA → Lara-Severino  
Camelo-Castillo A → Lasa A  
Casanova-González E → Lara-Severino RC  
Castro-Alarcón N → Hernández-Vergara JA  
Chan YS → Investigation of twenty selected medicinal plants from Malaysia for anti-Chikungunya virus activity, 175  
doi: 10.2436/20.1501.01.275  
Clotet J → Jiménez J  
Contreras-Cordero JF → Genetic and serologic surveillance of rotavirus with P(8) and P(4) genotypes in feces from children in the city of Chihuahua, northern Mexico, 27  
doi: 10.2436/20.1501.01.260
- Curiel-Quesada E → Hernández-Robles MF
- D**e los Ríos, A → Fernández-Martínez MA  
Dec M → Antimicrobial activity of *Lactobacillus* strains of chicken origin against bacterial pathogens, 57  
doi: 10.2436/20.1501.01.264  
Delvenne P → Thellin O  
Devi A → Prevalence of *Campylobacter* spp. in diarrhea samples from patients in New South Wales, Australia, 33  
doi: 10.2436/20.1501.01.261
- E**lMoualij B → Thellin O
- F**ernández Moreira, E → Mora FX  
Fernández-Martínez MA → Functional ecology of soil microbial communities along a glacier forefield in Tierra del Fuego (Chile), 161  
doi: 10.2436/20.1501.01.274
- G**arcía AM → Núñez A  
Glick BR → Yaish MW  
Gómez-Oliván LM → Lara-Severino RC  
Grossart H-P → Srivastava A  
Guerrero-Latorre L → Mora FX  
Gunjilac AS → Devi A  
Gutiérrez Bustillo AM → Núñez A
- H**ainen E → Thellin O  
Hernández-Luna CE → Contreras-Cordero JF  
Hernández-Robles MF → Virulence factors and antimicrobial resistance in environmental strains of *Vibrio alginolyticus*, 191  
doi: 10.2436/20.1501.01.277  
Hernández-Vergara JA → Characterization of *Escherichia coli* clinical isolates causing urinary tract infections in the community of Chilpancingo, Mexico, 209  
doi: 10.2436/20.1501.01.279
- I**nfante-Ramírez R → Contreras-Cordero JF  
Isaac-Olivé K → Lara-Severino RC
- J**iménez J → Phosphate: from stardust to eukaryotic cell cycle control, 133  
doi: 10.2436/20.1501.01.271  
Juárez-García P → Hernández-Robles MF
- K**euter S → Spatial homogeneity of bacterial and archaeal communities in the deep eastern Mediterranean Sea surface sediments, 109  
doi: 10.2436/20.1501.01.269  
Khoo KS → Chan YS  
Kongthai P → Thummeepak R
- L**ara-Severino RC → Haloalkatolerant Actinobacteria with capacity for anthracene degradation isolated from soils close to areas with oil activity in the State of Veracruz, Mexico, 15  
doi: 10.2436/20.1501.01.259

- Lasa A → Characterization of the microbiota associated to *Pecten maximus* gonads using 454 pyrosequencing, 93  
doi: 10.2436/20.1501.01.267
- Lenzi-Almeida KC → Silva-Santana G  
Leungtongkam U → Thummeepak R  
Lopes VGS → Silva-Santana G
- M**ahony TJ → Devi A  
Martínez-Santos VI → Hernández-Vergara JA  
McMahon KD → Srivastava A  
Menchaca-Rodríguez GE → Contreras-Cordero JF  
Mira A → Lasa A  
Mora FX → Atypical enteropathogenic *Escherichia coli* (aEPEC) in children under five years old with diarrhea in Quito (Ecuador), 157  
doi: 10.2436/20.1501.01.273
- Moreno DA → Núñez A
- N**atividad-Bonifacio I → Hernández-Robles MF  
Nowaczek A → Dec M  
Núñez A → Monitoring of the airborne biological particles in outdoor atmosphere. Part 1: Importance, variability and ratios, 1  
doi: 10.2436/20.1501.01.258
- Núñez A → Monitoring of the airborne biological particles in outdoor atmosphere. Part 2: Importance, variability and ratios, 69  
doi: 10.2436/20.1501.01.265
- P**érez-Ortega S → Fernández-Martínez MA  
Pointing SB → Fernández-Martínez MA  
Puchalski A → Dec M
- Q**uattresooz P → Thellin O  
Quiñones-Ramírez EI → Hernández-Robles MF
- R**adilla-Vázquez RB → Hernández-Vergara JA  
Ramírez-Durán N → Lara-Severino  
Rastrojo A → Núñez A  
Ribeiro MPC → Jiménez J  
Rinkevich B → Keuter S  
Rodríguez-Padilla C → Contreras-Cordero JF  
Romalde JL → Lasa A  
Romero D → Unicellular but not asocial. Life in community of a bacterium, 81  
doi: 10.2436/20.1501.01.266
- Romo-Sáenz CI → Contreras-Cordero JF  
Rozzi R → Fernández-Martínez MA
- S**ancho LG → Fernández-Martínez MA  
Sandoval-Trujillo AH → Lara-Severino RC  
Santander J → Almarza O  
Segovia C → Almarza O  
Silva-Sánchez J → Hernández-Vergara JA  
Silva-Santana G → Biofilm formation in catheter-related infections by Pantón-Valentine leukocidin-producing *Staphylococcus aureus*, 199  
doi: 10.2436/20.1501.01.278
- Sit NW → Chan YS  
Sitthisak S → Thummeepak R  
Soyer-Gobillard M-O → The Arago Laboratory of Banyuls and some of its Academicians, 183  
doi: 10.2436/20.1501.01.276
- Srivastava A → De novo synthesis and functional analysis of the phosphatase-encoding gene *acI-B* of uncultured Actinobacteria from Lake Stechlin (NE Germany), 39  
doi: 10.2436/20.1501.01.262
- Stepanauskas R → Srivastava A
- T**amez-Guerra RS → Contreras-Cordero JF  
Thellin O → Lysozyme as a cotreatment during antibiotics use against vaginal infections: An in vitro study on *Gardnerella vaginalis* biofilm models, 101  
doi: 10.2436/20.1501.01.268
- Thummeepak R → Distribution of virulence genes involved in biofilm formation in multi-drug resistant *Acinetobacter baumannii* isolates, 121  
doi: 10.2436/20.1501.01.270
- V**alderrama K → Almarza O  
Vanniasinkam T → Devi A  
Vázquez-Salinas C → Hernández-Robles MF  
Vences-Velásquez A → Hernández-Vergara JA  
Villarreal-Treviño L → Contreras-Cordero JF
- W**ernicki A → Dec M  
Wilkinson JM → Devi A
- Y**aish MW → The use of high throughput DNA sequence analysis to assess the endophytic microbiome of date palm roots grown under different levels of salt stress, 143  
doi: 10.2436/20.1501.01.272
- Z**orzi D → Thellin O  
Zorzi W → Thellin O

**Authors Index - 2016**

- A**guiar-Alves F → 199  
Alansari AS → 143  
Alcamí A → 1, 69  
Al-Harrasi I → 143  
Allan Green TG → 161  
Almarza O → 49  
Álvarez-Contreras AK → 191  
Al-Yahyai R → 143  
Amo de Paz G → 1, 69  
Arroniz-Crespo M → 161  
Avilés-Reyes RX → 157  
Ayala M → 49
- B**elda-Ferre P → 93  
Berlanga M → 131  
Bru S → 133
- C**amacho-López MA → 15  
Camelo-Castillo A → 93  
Casanova-González E → 15  
Castro-Alarcón N → 209  
Chan YS → 175  
Clotet J → 133  
Contreras-Cordero JF → 27  
Curiel-Quesada E → 191
- D**e los Ríos A → 161  
Dec M → 57  
Delvenne P → 101  
Devi A → 33
- E**inen E → 101  
ElMoualij B → 101
- F**ernández-Martínez MA → 161  
Fernández-Moreira E → 157
- G**arcía AM → 1, 69  
Glick BR → 143  
Gómez-Oliván LM → 15  
Grossart HP → 39  
Guerrero-Latorre L → 157  
Gunjilac AS → 33  
Gutiérrez-Bustillo AM → 1, 69
- H**ernández-Luna CE → 27  
Hernández-Robles MF → 191  
Hernández-Vergara JA → 209
- I**nfante-Ramírez R → 27  
Isaac-Olivé K → 15
- J**iménez J → 133  
Juárez-García P → 191
- K**euter S → 109  
Khoo KS → 175  
Kongthai P → 121
- L**ara-Severino RC → 15  
Lasa A → 93  
Lenzi-Almeida KC → 199  
Leungtongkam U → 121  
Lopes VGS → 199
- M**ahony TJ → 33  
MaMahon KD → 39  
Martínez-Santos VI → 209  
Menchaca-Rodríguez GE → 27  
Mira A → 93  
Mora FX → 157  
Moreno DA → 1, 69
- N**atividad-Bonifacio I → 191  
Nowaczek → 57  
Núñez A → 1, 69
- P**érez-Ortega S → 161  
Pointing SB → 161  
Puchalski A → 57
- Q**uatresooz P → 101  
Quiñones-Ramírez EI → 191
- R**adilla-Vázquez RB → 209  
Ramírez-Durán N → 15  
Rastrojo A → 1, 69  
Ribeiro MPC → 133  
Rinkevich B → 109  
Rodríguez-Padilla C → 27  
Romalde JL → 93  
Romero D → 81  
Romo-Sáenz CI → 27  
Rozzi R → 161
- S**ancho LG → 161  
Sandoval-Trujillo AH → 15  
Santander J → 49

Silva-Sánchez J → 209  
Silva-Santana G → 199  
Sitn NW → 175  
Sitthisak S → 121  
Soyer-Gobillard M-O → 183  
Srivastava A → 39  
Stepanauskas R → 39

**T**amez-Guerra RS → 27  
Theillin O → 101  
Thummeepak R → 121

**V**alderrama K → 49  
Vanniasinkam T → 33  
Vázquez-Salinas C → 191  
Vences-Velásquez A → 209  
Villarreal –Treviño L → 27

**W**ernicki A → 57  
Wilkinson JM → 33

**Y**aish MW → 143

**Z**orzi D → 101  
Zorzi W → 101

## Keywords Index - 2016

- acI-B** in Actinobacteria → 39  
*Acinetobacter baumannii* → 121  
Air biomonitoring → 69  
Airbiota → 1  
Airborne biological particles → 19, 69  
Air-genome ratios → 1  
Ammonia Oxidizing Archaea (AOS) → 109  
Anthracene degradation → 15  
Antibiotic resistance → 161  
Antimicrobial activity → 57  
Antivirals → 175  
Aquaculture → 93  
Arago Laboratory of Banyuls → 183  
Atypical EPEC → 157  
Avian lactobacilli → 57
- Bioaerosols** → 1  
Biofilm infection → 191  
Biofilms in pathogens → 101  
Biofilms → 121  
β-lactamases → 209
- Campylobacter** species → 33  
Campylobacteriosis → 33  
Capsular polysaccharides → 191  
Cell cycle → 133  
Chatton, Édouard (1883–1947) → 183  
Chihuahua (Mexico) → 27  
Chikungunya virus → 175  
Chilpancingo (Mexico) → 209  
Chronosequence → 161  
Climate change → 131  
Clindamycin → 101  
Cyclin → 133  
Cytotoxicity → 175
- Deep sea sediments** → 109  
Diarrhea in children → 157
- Eastern Mediterranean** → 109  
Endophyte → 143  
Epitopes → 27  
*Escherichia coli* → 157, 209  
Evolution → 81
- Ferric uptake regulator protein (Fur)** → 49  
Fish pathogens → 49  
Foodborne diseases → 33  
Functional genes → 161
- Gardnerella vaginalis** → 101  
Gehring, Walter J. (1939–2014) → 183  
Genes *eae* and *bfp* → 157  
GeoChip microarray → 161  
Global responses → 81  
Gonads macrobiota → 93  
Gut health → 57
- Haloalkatolerant Actinobacteria** → 15
- Iron acquisition** → 49  
Israel → 109
- Kocuria** → 15
- Lacaze-Duthiers, Henri de** (1821–1901) → 183  
*Lactobacillus* spp. → 57
- Lake Stechlin → 39  
Lineages of virus → 27  
Lwoff, André (1902–1994) → 183
- Margulis, Lynn** (1938–2011) → 183  
Medicinal plants → 175  
Metagenomics → 69  
Meteorological factors → 1  
Metronidazole → 101  
*Microbacterium* → 15  
Microbial communities → 109  
Microbial ecology → 131  
Molecular machinery → 81  
Molluscs pathogens → 93  
MRSA → 191  
Multicellular community → 81  
Multidrug resistance → 209
- NE Germany** → 39  
New South Wales, Australia → 33  
Next-generation sequencing (NGS) → 69, 93
- Oysters** → 191
- Panton-Valentine leukocidin** → 191  
*Pecten maximus* → 93  
Pho85 → 133  
*Phoenix dactylifera* L. → 143  
Phosphatases → 39  
Phosphate limitation → 39  
*Piscirickettsia salmonis* → 49  
Polyphosphate → 133  
Poultry pathogens → 57  
Prevalence of pathogens → 33  
Primary succession → 161  
Prokaryotic cells → 81

**Q**uito (Ecuador) → 157

**R**ecombinant human lysozyme → 101

Rotavirus → 27

**S***accharomyces cerevisiae* → 133

Salt stress → 143

Secretion system → 191

Sequential extraction → 175

Single cell genomics → 39

*Staphylococcus aureus* → 191

State of Veracruz, Mexico → 15

**T**ranscriptional regulatory element  
→ 49

**U**rban aerobiology → 69

Urinary tract infections → 209

**V***ibrio alginolyticus* → 191

Viral genotypes → 27

Virulence factors → 191

Virulence genes → 121

## List of reviewers - 2016

The editorial staff of INTERNATIONAL MICROBIOLOGY thanks the following persons for their invaluable assistance in reviewing manuscripts from January through December 2016. The names of several reviewers have been omitted at their request.

- Akhtar, Parvez. University of Pittsburgh, Pittsburgh, PA, USA
- Antón, Josefa. University of Alicante, Alicante, Spain
- Beauregard, Pascale B. University of Sherbrooke, Sherbrooke, Canada
- Berenguer, José. Autonomous University of Madrid, Madrid, Spain
- Berlanga, Mercedes. University of Barcelona, Barcelona, Spain
- Bordons, Albert. University Rovira Virgili, Tarragona, Spain
- Calvio, Cinzia. Università degli Studi di Pavia, Pavia, Italy
- Campoy, Susana. Autonomous University of Barcelona, Bellaterra, Spain
- Carli, Tayfun K. Uludag University, Bursa, Turkey
- Cerri, Domenico. University of Pisa, Pisa, Italy
- Chapman, Matthew. University of Michigan, Ann Arbor, MI, USA
- Charles, An Susan. Louisiana State University, Baton Rouge, LA, USA
- Chu, Justin J. Hann. National University of Singapore, Singapore
- Daffonchio, Daniele. King Abdullah Univer of Science and Technology, Thuwal, Saudi Arabia
- Dangi, Anil. Northwestern University, Evanston, IL, USA
- Dolan, Michael. University of Massachusetts, Amherst, MA, USA
- Esteve, Isabel. Autonomous University of Barcelona, Bellaterra, Spain
- Fang, Wenwen. Bartel Lab., Cambridge, MA, USA
- Gaju, Núria. Autonomous University of Barcelona, Bellaterra, Spain
- Garmendia, Juncal. Biomedical Research Centre, CSIC, Pamplona, Spain
- Gil, José Antonio. University of Leon, Leon, Spain
- González Pastor, Eduardo. Centro de Astrobiología, CSIC, Torrejón Ardoz, Madrid
- Guarro, Josep. University Rovira Virgili, Reus, Spain
- Guerrero, Ricardo. University of Barcelona, Barcelona, Spain
- Guillamon, Jose Manuel. IATA, CSIC, Paterna, Spain
- Herrero, Enric. University of Lleida, Lleida, Spain
- Hu, Yi. Drexel University, Philadelphia, PA, USA
- La Ragione, Robert. Veterinary Laboratories Agency, Surrey, England
- Llamas, Inmaculada. University of Granada, Granada, Spain
- López García, Paloma. Center for Biological Research, Madrid, Spain
- Magni, Christian. Institute of Molecular and Cellular Biology, Rosario, Argentina
- Mas-Castellà, Jordi. Autonomous University of Barcelona, Bellaterra, Spain
- Miñana, David. University of Barcelona, Barcelona, Spain
- Montesinos, Emilio. University of Girona, Girona, Spain
- Nikel, Pablo. National Centre for Biotechnology, CSIC, Madrid, Spain
- Pedrós-Alió, Carlos. National Centre for Biotechnology, CSIC, Madrid, Spain
- Piqueras, Mercè. International Microbiology, Barcelona, Spain
- Quindós, Guillermo. University of the Basque Country, Bilbo, Spain
- Rocha, Javier. ICP, CSIC, Madrid, Spain
- Rodríguez-Nava, Verónica. Claude Bernard University-Lyon, Villeurbanne, France
- Rosselló Mora, Ramon. University of the Balearic Island, Palma de Mallorca, Spain
- Rua, Marisa. University of Vigo, Vigo, Spain
- Smani, Younes. University of Sevilla, Sevilla, Spain
- Toledo, Héctor. University of Chile, Santiago de Chile, Chile
- Van Dillewijn, Pieter. Experimental Station El Zaidín, CSIC, Granada, Spain
- Vila, Jordi. University of Barcelona, Barcelona, Spain
- Wei, Sean. University of Technology, Auckland, New Zealand

