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### **Topic**

- Probiotics, prebiotics, simbiotics
- Development of proteomic technologies
- Signal transduction in eukaryotes
- Synthesis, characterization and manipulation of biomaterials
- Hybrid nanosized structures and nanocomposites
- Application of nanomaterials science research in the biomedical field for the development of new therapeutic and diagnosis tools
- Drug delivery
- New synthetic compounds with bioactive properties
- Drugs from natural sources
- Nanomaterials based-strategies for fighting antibiotic resistance and biofilms' development in medicine and ecology

# BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY

## www.BiointerfaceResearch.com

#### **TABLE OF CONTENTS**

360	Kruti N. Myangar Tarunkumar N. Akhaja Deep R. Naik Jignesh P. Raval	Synthesis, characterization and <i>in vitro</i> antimicrobial and antimycobacterial activity of novel quinazolinone–flouroquinolone hybrids
374	Puzy Atmaram Pavaskar Sushama Shashikant Vimal Patil Irene Furtado Arun Vithal Salker	Synthesis and antimicrobial activity on Manganese tetra (n-carbonylacrylic) aminephthalocyanine
380	Johannes Baier Torsten Naumburg Nina J. Blumenstein Lars P. H. Jeurgens Udo Welzel Tuan A. Do Jürgen Pleiss Joachim Bill	Bio-inspired mineralization of zinc oxide in presence of ZnO-binding peptides
392	Sarkar M. A. Kawsar Abul K. M. S. Kabir Mohammad M. R. Bhuiyan Asma Siddiqa Mohammad N. Anwar	Synthesis, spectral characterization and biological studies of some newly acylated carbohydrate derivatives
401	Robert Sakizlian Monica Sakizlian	Evaluation of functional parameters dynamics during physical education and sport training