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Research Article

Open Access Research Article PTZAID:OJC-12-148

Why do the FC, DPPH, TEAC, and FRAP Methods give Different Sesults?

Published On: August 21, 2026 | Pages: 021 - 032

Author(s): Pavel Stratil, Lea Lojkova*, Helena Pluhackova and Borivoj Klejdus

Reactivity of non-hydroxy- and hydroxy-derivatives of benzoic acid, benzaldehyde and cinnamic acid was investigated by FC, DPH, FRAP and TEAC methods. The non-hydroxyderivatives were non-reactive with the methods. The reactivity of analysed compounds (expressed by micromolar absorption coefficient) determined by the FC method depends on the type of phenolic compound, ...

Abstract View Full Article View DOI: 10.17352/ojc.000048

Open Access Research Article PTZAID:OJC-12-146

Corrosion Induced by APB Acid-Producing Bacteria Isolated from an Oil Field in Southern Algeria

Published On: July 15, 2026 | Pages: 004 - 008

Author(s): Faiza Khoukhi*

This study examines industrial corrosion caused by acid-producing bacteria isolated from the filters of a water separation facility at an oil field in southern Algeria. This water is used for injection to maintain reservoir pressure. An on-site monitoring system was implemented using a bioprobe and corrosion coupons, with findings subsequently validated through labo ...

Abstract View Full Article View DOI: 10.17352/ojc.000046

Review Article

Open Access Review Article PTZAID:OJC-12-147

Named Reactions in Organic Chemistry: Mechanistic Principles, Synthetic

Applications, and Contemporary Developments

Published On: July 15, 2026 | Pages: 009 - 020

Author(s): Shivanarayan A*

Named reactions constitute one of the most fundamental pillars of organic chemistry, providing standardized and efficient strategies for the construction of complex molecular architectures. These reactions, traditionally named after the scientists who first discovered or systematically developed them, represent mechanistically distinct transformations that have become ...

Abstract View Full Article View DOI: 10.17352/ojc.000047

Short Communication

Open Access Short Communication PTZAID:OJC-12-145

Morphology Study and Catalytic Application of Cobalt-Functionalized Porous Organic-Inorganic Hybrid Nanomaterials

Published On: June 06, 2026 | Pages: 001 - 003

Author(s): Shengguang Gao*

Porous organic-inorganic hybrid nanomaterials have attracted enormous attention in the field of heterogeneous catalysis due to their tunable morphology, high specific surface area, and synergistic effect between organic and inorganic components. In this work, a facile one-pot synthesis strategy was developed to fabricate cobalt-functionalized porous organic-inorganic ...

Abstract View Full Article View DOI: 10.17352/ojc.000045