

SCIENTIFIC ARTICLES

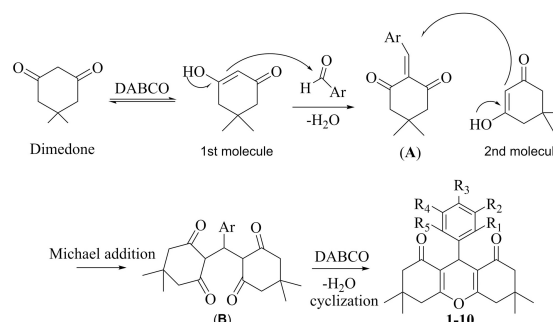
ORIGINAL SCIENTIFIC ARTICLE

**Antioxidant, Antimicrobial and Antiproliferative Activities of Synthesized 2,2,5,5-Tetramethyl-9-aryl-3,4,5,6,7,9-hexahydro-1H-xanthene-1,8(2H)-dione Derivatives**

Selma Zukić, Elma Veljović, Selma Špirtović-Halilović, Samija Muratović, Amar Osmanović, Snežana Trifunović, Irena Novaković, Davorka Završnik

Croat. Chem. Acta 2018, 91(1), 1–9

DOI: 10.5562/cca3225



ORIGINAL SCIENTIFIC ARTICLE

***Centaurea rupestris* L.: Cytogenetics, Essential Oil Chemistry and Biological Activity**

Ivana Carev, Ana Maravić, Mejra Bektašević, Mirko Ruščić, Sonja Siljak-Yakovlev, Olivera Politeo

Croat. Chem. Acta 2018, 91(1), 11–18

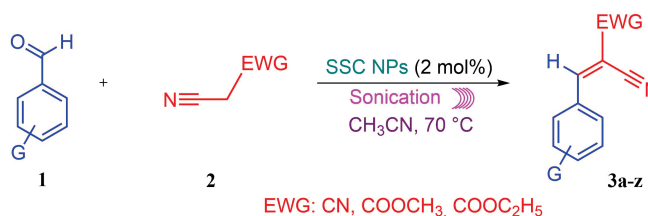
DOI: 10.5562/cca3205



ORIGINAL SCIENTIFIC ARTICLE

**Ultrasound-assisted and Efficient Knoevenagel Condensation Reaction Catalyzed by Silica Sodium Carbonate Nanoparticles**

Yaghoub Pourshojaei, Maryam Nikzad, Khalil Eskandari, Mohammad-Hossein Darijani, Abdolreza Hassanzadeh, Ehsan Faghhih-Mirzaei, Ali Asadipour



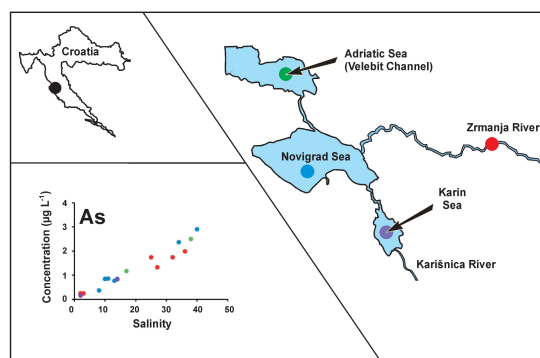
Croat. Chem. Acta 2018, 91(1), 19–28

DOI: 10.5562/cca3261

## Distribution of Trace Elements in Waters of the Zrmanja River Estuary (Eastern Adriatic Coast, Croatia)

Željka Fiket, Maja Ivanić, Martina Furdek Turk, Nevenka Mikac, Goran Kniewald

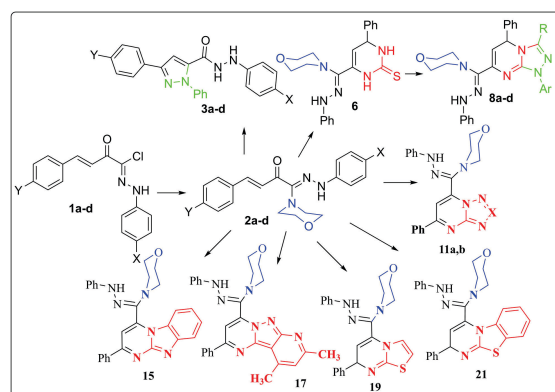
*Croat. Chem. Acta* **2018**, *91*(1), 29–41  
DOI: 10.5562/cca3202



## Synthesis of New Azoles and Azolopyrimidines Incorporating Morpholine Moiety as Potent Anti-Tumor Agents

Sobhi M. Gomha, Zeinab A. Muhammad, Hassan M. Abdel-aziz, Elham Ezz El-Arab

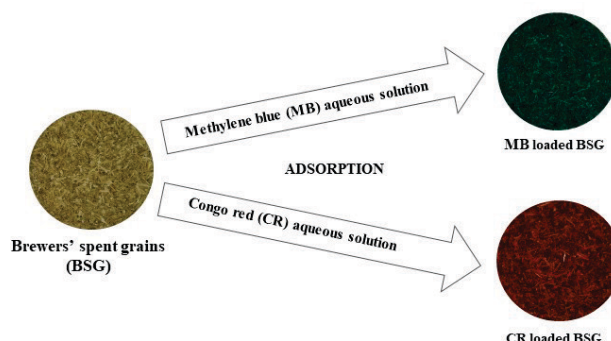
*Croat. Chem. Acta* **2018**, *91*(1), 43–51  
DOI: 10.5562/cca3279



## Lignocellulosic Materials as Dye Adsorbents: Adsorption of Methylene Blue and Congo Red on Brewers' Spent Grain

Antonija Kezerle, Natalija Velić, Damir Hasenay, Davor Kovačević

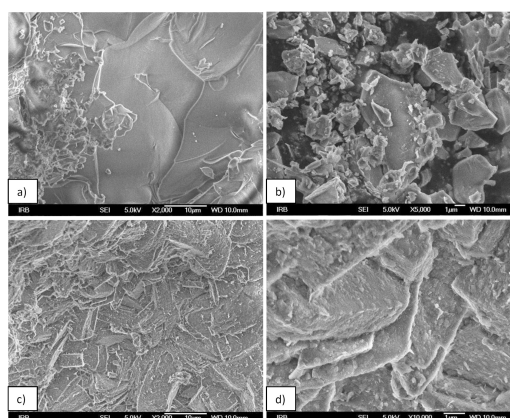
*Croat. Chem. Acta* **2018**, *91*(1), 53–64  
DOI: 10.5562/cca3289



## Microstructural Properties of Natural Allophane/Gibbsite from a White Bauxite Deposit in Montenegro

Mira Ristić, Stjepko Krehula, Svetozar Musić

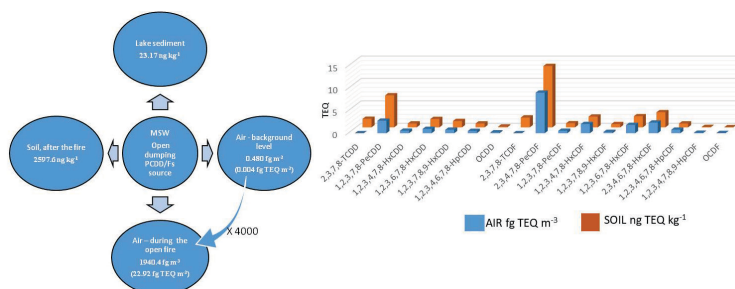
*Croat. Chem. Acta* **2018**, *91*(1), 65–70  
DOI: 10.5562/cca3276



## Unsanitary Landfill Fires as a Source of a PCDD/Fs Contamination

Hana Fajković, Maja Ivanić, Lovorka Pitarević, Ivan Nemet, Sanda Rončević, Esad Prohić

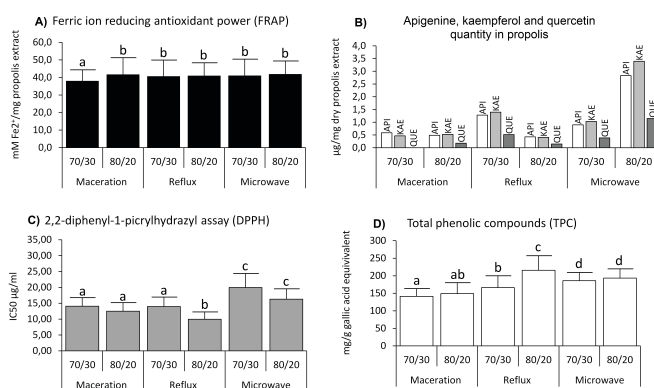
*Croat. Chem. Acta* **2018**, *91*(1), 71–79  
DOI: 10.5562/cca3145



## Chemical Composition, Antioxidant and Antibacterial Activity of Different Extracts of Poplar Type Propolis

Tomislav Mašek, Nataša Perin, Livio Racané, Maja Cindrić, Hana Čipčić Paljetak, Mihaela Perić, Mario Matijašić, Donatella Verbanac, Božo Radić, Jelena Šuran, Kristina Starčević

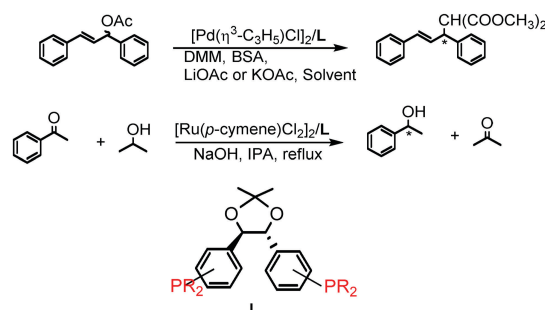
*Croat. Chem. Acta* **2018**, *91*(1), 81–88  
DOI: 10.5562/cca3298



## Synthesis of C<sub>2</sub>-Symmetric Bisphosphines and Their Application in Enantioselective Transition Metal Catalysis

Halil Zeki Gök, Seda Kılıçarslan, Yaşar Gök

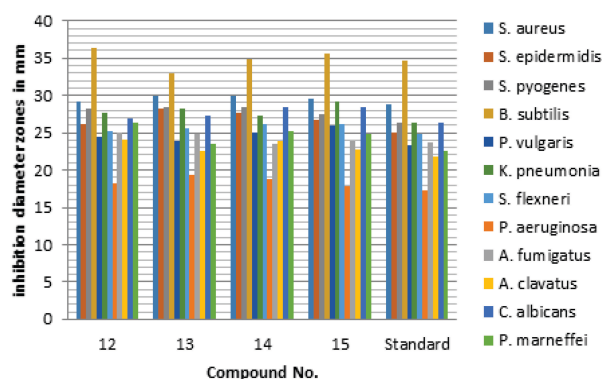
*Croat. Chem. Acta* **2018**, *91*(1), 89–97  
DOI: 10.5562/cca3304



## Synthesis of Chromen-2-one, Pyrano[3,4-c]chromene and Pyridino[3,4-c]chromene Derivatives as Potent Antimicrobial Agents

Sawsan A. Fouad, Sadia A. Hessein, Samir Y. Abbas, Amel M. Farrag, Yousry A. Ammar

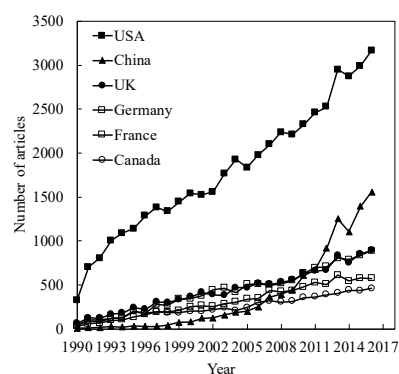
*Croat. Chem. Acta* **2018**, *91*(1), 99–107  
DOI: 10.5562/cca3266



## Bibliometric Analysis of Atmospheric Simulation Trends in Meteorology and Atmospheric Science Journals: Update

Jinfeng Li

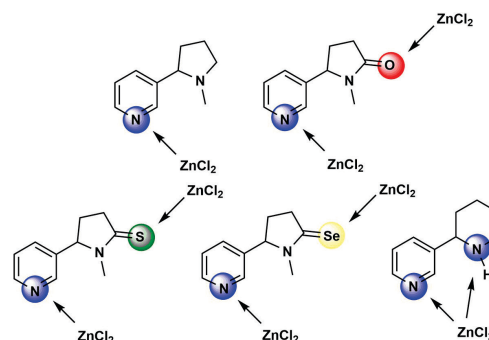
*Croat. Chem. Acta* **2018**, *91*(1), 109–113  
DOI: 10.5562/cca3210



## Electron Impact and Electrospray Mass Spectral Study of ZnCl<sub>2</sub> Complexes with Nicotinoids

Tomasz Pospieszny, Beata Jasiewicz, Karolina Malczewska-Jaskóła, Arleta Sierakowska

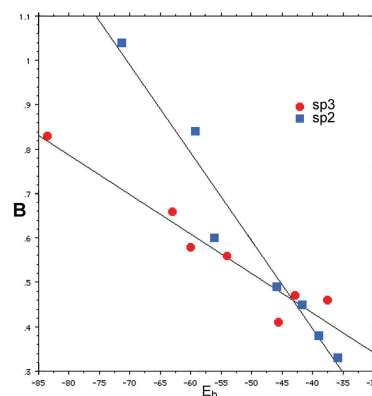
*Croat. Chem. Acta* **2018**, *91*(1), 115–120  
DOI: 10.5562/cca3244



## The Hydrogen-bond Basicity of Carbenes

Michael H. Abraham, José Elguero, Ibon Alkorta

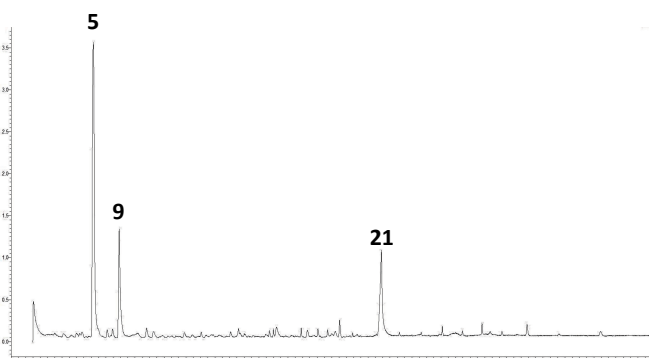
*Croat. Chem. Acta* **2018**, *91*(1), 121–124  
DOI: 10.5562/cca3258



## Chemical Composition and Antioxidant Activity of Essential Oil Obtained from Bitter Orange Peel (*Citrus aurantium* L.) Using Two Methods

Mila Radan, Antonija Parčina, Franko Burčul

*Croat. Chem. Acta* **2018**, *91*(1), 125–128  
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**OTHER PAPERS**

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REMINISCENCE

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Stanimir Vuk-Pavlović, Bojan Benko, Vesna Svetličić

*Croat. Chem. Acta* **2018**, *91*(1), 129–131

DOI: 10.5562/cca3358en

SJEĆANJE

**Učenici se sjećaju Siniše Maričića (1926.–2017.): Uspravan do kraja**

Stanimir Vuk-Pavlović, Bojan Benko, Vesna Svetličić

*Croat. Chem. Acta* **2018**, *91*(1), 133–135

DOI: 10.5562/cca3358hr