

## MEET THE GUEST EDITORS

**Ángel Díaz-Ortiz**

Departamento de Química Orgánica  
 Facultad de Química  
 Universidad de Castilla-La Mancha  
 E-13071, Ciudad Real  
 Spain  
 E-mail: Angel.Diaz@uclm.es

**Antonio de la Hoz**

Departamento de Química Orgánica  
 Facultad de Química  
 Universidad de Castilla-La Mancha  
 E-13071, Ciudad Real  
 Spain  
 E-mail: Antonio.Hoz@uclm.es

**Antonio de la Hoz** obtained his Ph.D. from the Universidad Complutense in Madrid in 1986. After postdoctoral research in 1987 with Prof. Begtrup at the Danmarks Tekniske Høskole, he joined the Faculty of Chemistry of the Universidad de Castilla-La Mancha in Ciudad Real in 1988 as an Assistant Professor. In 2000, he became full Professor at this University. His research interests include Heterocyclic Chemistry, Supramolecular Chemistry, Microwave activation of Organic Reactions, Solvent-Free Organic Synthesis, and Green Chemistry.

**Ángel Díaz-Ortiz** was born in Tomelloso (Spain) and obtained his Ph.D. from the Institute of Medicinal Chemistry (Madrid) in 1988. After postdoctoral research at Laboratorios Alter S.A., he joined the Faculty of Chemistry of the Universidad de Castilla-La Mancha (UCLM). Presently, he is Assistant Professor of Organic Chemistry. His research interests encompass new synthetic methods including preparation of heterocyclic compounds by cycloaddition reactions in a microwave environment.

## SELECTED PUBLICATIONS

- [1] **A. Díaz-Ortiz**, E. Díez-Barra, **A. de la Hoz**, P. Prieto, A. Moreno, F. Langa, T. Prangé y A. Neuman; Facial Selectivity in Cycloadditions of a Chiral Ketene Acetal under Microwave Irradiation in Solvent-Free Conditions. Configurational Assignment of the Cycloadducts by NOESY Experiments and Molecular Mechanics Calculations; *J. Org. Chem.*; **1995**, *60*, 4160.
- [2] U.M. Fernández-Paniagua, B. Illescas, N. Martín, C. Seoane, P. de la Cruz, **A. de la Hoz**, F. Langa; Thermal and Microwave Assisted Synthesis of Diels-Alder Adducts of [60]Fullerene with Pyrazino-2,3-quinodimethanes: Characterization and Electrochemical Properties. *J. Org. Chem.*; **1997**, *62*, 3705.
- [3] F. Langa, P. De la Cruz, **A. de la Hoz**, **A. Díaz-Ortiz**, E. Díez-Barra; Microwave Irradiation: More than Just Highly Accelerated Reactions; *Contemporary Org. Synth.*; **1997**, *4*, 373.
- [4] F. Langa, P. de la Cruz, **A. de la Hoz**, E. Espíldora, F.P. Cossío, B. Lecea. Modification of regioselectivity in Cycloadditions to C<sub>70</sub> under Microwave Irradiation. *J. Org. Chem.* **2000**, *65*, 2499-2507.
- [5] F. Langa, P. de la Cruz, E. Espíldora, A. González-Cortés, **A. de la Hoz**, V. López-Arza. Synthesis and properties of Isoxazolo[60]Fullerene-Donor Dyads. *J. Org. Chem.* **2000**, *65*, 8675-8684.
- [6] F. Langa, P. de la Cruz, E. Espíldora, **A. de la Hoz**, J.L. Bourdelande, N. Martín, L. Sánchez. C<sub>60</sub> Based Triads with Improved Electron Acceptor Properties: Pyrazolyl-Pyrazolino[60]Fullerenes. *J. Org. Chem.* **2001**, *66*, 5033-5041.
- [7] **A. Díaz-Ortiz**, **A. de la Hoz**, F. Langa. *Microwaves in cycloadditions in Microwaves in Organic Synthesis*, Wiley, **2002**, 295-343.
- [8] F.P. Cossío, C. Foces-Foces, **A. Díaz-Ortiz**, M. A. Herrero, **A. de la Hoz**, A. Moreno. Stereochemical Diversity under Microwave Irradiation in the Absence of Solvent: Synthesis of Highly Substituted Nitroproline Esters via 1,3-Dipolar Reactions. *Molecular Diversity* **2003**, *2*, 175-180.
- [9] **A. Díaz-Ortiz**, **A. de la Hoz**, A. Moreno. Selectivity in Organic Synthesis under Microwave Irradiation. *Current Organic Chemistry* **2004**, *8*, 903-918.
- [10] **A. Díaz-Ortiz**, **A. de la Hoz**, A. Moreno. Microwave Assisted Synthesis of 2,4,6-tris(pyrazolylamino)-1,3,5-triazines. *QSAR & Combinatorial Science*. **2005**, *24*, 649-659.
- [11] **A. Díaz-Ortiz**, **A. de la Hoz**, A. Moreno. Microwaves In Organic Synthesis. Thermal and Non Thermal Microwave Effects. *Chem. Soc. Rev.* **2005**, 164-178.
- [12] **A. Díaz-Ortiz**, **A. de la Hoz**, A. Moreno. *Selectivity under microwave irradiation*. Wiley. *Microwaves in Organic Synthesis*. (2nd edition) **2006**, 219-277.
- [13] J. Alcázar, **A. de la Hoz**, **A. Díaz-Ortiz**, J.R. Carrillo, M. A. Herrero. Reproducibility and Scalability of Solvnet-Free Microwave Assisted Reactions: From Domestic Ovens to Controllable Parallel Applications. *Comb. Chem. & High Throughput Screening*. **2007**, 163-169.
- [14] A. Arrieta, D. Otaegui, A. Zubia, F. P. Cossío, **A. Díaz-Ortiz**, **A. de la Hoz**, M. A. Herrero, P. Prieto, C. Foces-Foces, J. L. Pizarro, M. I. Arriortua. Solvent-Free Thermal and Microwave-Assisted [3+2] Cycloadditions between Stabilized Azomethine Ylides and Nitrostyrenes. An Experimental and Theoretical Study. *J. Org. Chem.* **2007**, *72*, 4313-4322.
- [15] F. G. Brunetti, M. A. Herrero, J. de M. Muñoz, S. Giordani, **A. Díaz-Ortiz**, S. Filippone, G. Ruaro, M. Meneguetti, M. Prato, E. Vázquez. Reversible Microwave-Assited Cucloaddition Of Aziridines To Carbon Nanotubes. *J. Am. Chem. Soc.*, In the Press, Doi: 10.1021/Ja077927k (2007).