

Tentative Outline

Special Thematic Issue for Current Organic Chemistry

Title of thematic issue: 'Recent Advances on Functional Group Interconversion'

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Aims & Scope:

Mastering Functional Group Interconversion is an important tool in Organic Chemistry. The ability to modulate the structure of a given scaffold is essential in any target synthesis and particularly relevant in areas such as Medicinal Chemistry and Materials Chemistry. The theme issue on Recent Advances on Functional Group Interconversion will provide an overview on this topic with particular emphasis on recent developments. Issues such as selectivity, use of protecting groups and development of sustainable methodologies will be addressed.

Keywords:

Functional group interconversion; alfa-amination reactions; continuous flow chemistry; oximes; naphthoquinones; amines

Subtopics along with Contributing authors and abstract

The subtopics to be covered within this issue are listed below:

Title no. 1: Continuous Flow Chemistry as a Powerful Technology for Safe and Efficient Functional Group Interconversions

- **Author's name:** Prof. Marcus Baumann*
- **Affiliation:** School of Chemistry and Chemical Biology, University College Dublin
- **Email address:** marcus.baumann@durham.ac.uk

Title no. 2: Toolbox for alfa-Amination Reactions

- **Author's name:** Prof. Maria Manuel Marques *
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Title no. 3: Reduction of Oximes: Asymmetric and Diastereoselective Approaches

- **Author's name:** Prof. Teresa M. V. D. Pinho e Melo *
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Title no. 4: Conversion of Amines into Biologically relevant Functional Groups"

- **Author's name:** Prof. Graça Vicente*
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Title no. 5: Functional Group Transformation in Naphthoquinones: Strategies for the Synthesis mono- and bis-Amino-1,4-Naphthoquinones

- **Author's name:** Prof. Fernando de Carvalho da Silva *
- **Affiliation:** Universidade Federal Fluminense, Instituto de Química, Departamento de Química Orgânica, Niterói, Rio de Janeiro, Brazil
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Schedule:

- Manuscript submission deadline: Feb. 29, 2021.
- Peer Review Due: March 31, 2021.
- Revision Due: April 30, 2021.
- Announcement of acceptance by the Guest Editors: May 20, 2021.
- Final manuscripts due: June 14, 2021.

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