

EDITORIAL

Lucian Gavrilă, Editor-in Chief



We are starting the eleventh volume of a publication that was founded ten years ago – and since then it constantly developed, evolved and grew. Now, when celebrating the first decade of **STUDII ȘI CERCETĂRI ȘTIINȚIFICE – CHIMIE ȘI INGINERIE CHIMICĂ, BIOTEHNOLOGII, INDUSTRIE ALIMENTARĂ** (Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry), the Editorial Board decided to mark this event by a special anniversary issue.

In order to do this, we have asked some of our colleagues that during the years have been involved in various ways in promoting our journal, to write review articles that are representative for their research activities during 2000 – 2009.

The opening essay « *“Studii și Cercetări Științifice” – a Decade* », is rather retrospective. It is an analysis of the evolution of the journal, from its beginnings till nowadays in terms of published papers, author affiliation by country, topics, and circulation. The following eight scientific contributions are shared between chemistry and process engineering topics.

Dr. Axel Couture and Professor Pierre Grandclaude, from *l'Ecole Nationale Supérieure de Chimie du Lille* (France), are treating an actual issue concerning the synthesis of fine chemicals based on isoindolinones. They present the development of synthetic tactics for the creation of the lactam unit that would allow for incorporation of appropriate functionalities liable to give access to an array of synthetic, natural and/or bioactive compounds through rather simple chemical manipulation. Total syntheses of alkaloids and of chemical compounds endowed with chemotherapeutic properties are also exemplified in the paper.

The group of *Professor Gérard Guillaumet* from *Institut de Chimie Organique et Analytique – Université d'Orléans* (France) and *Professor Adriana Fînaru* from "*Vasile Alecsandri*" *University of Bacău* (Romania) are presenting their joint project concerning the synthetic approaches for the elaboration of a new class of planar polynuclear nitrogen compounds containing aromatic heterocycles – the dihydrodipyridopyrazines – compounds that can act as antitumoral agents.

Another class of compounds with multiple applications in chemistry, biology and pharmacology – the quinoxalines – are discussed in terms of synthesis, reactivity and biological activity in the paper submitted by the group of *Professor El Mokhtar Essassi* from *Université "Mohammed V" Agdal – Rabat* (Morocco).

The synthetic organic chemistry package is closed by the contribution of the group leaded by *Professor Valérie Thiery* from *Université de La Rochelle* (France), concerning the chemistry of sulfur and nitrogen containing heterocycles, the 1,2,3-dithiazoles.

The next invited paper is treating some aspects related with food chemistry and nutrition: food products fortified with iodine. *Associate Professor Rodica Sturza* from the *Technical University of Moldova, Chişinău* (Moldova) presents her research concerning iodized edible oils, in the context of treating iodine scarcity of food products in the Republic of Moldova.

Professor Dan Caşcaval from the *Department of Biochemical Engineering* of the *Technical University "Gheorghe Asachi" of Iaşi* and *Professor Anca-Irina Galaction* from the *Department of Biotechnologies* of the *University of Medicine and Pharmacy "Gr.T. Popa" of Iaşi* (Romania) are presenting a review on the selective separation of biosynthetic products – antibiotics, carboxylic acids, amino acids – by pertraction through liquid membranes.

The influence of process parameters and type of equipment in producing expanded food foams is thoroughly treated in the paper given by *Dr. Christophe Vial* and *Professor Gholamreza Djelveh* from the *Laboratoire de Génie Chimique et Biochimique, Clermont Université* from Clermont-Ferrand (France).

The volume is closed by a paper treating the various engineering aspects of carbon dioxide capture processes in power plants, a review prepared by *Dr. Chakib Bouallou* from *Centre Energétique et Procédés, MINES ParisTech*, Paris (France).