

Feature Papers in Compounds (2022–2023)

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1. Introduction and Scope

Compounds was born in 2021 as an interdisciplinary journal with a clear vocation towards the scientific community and a tool to present its scientific achievements in an open access format that would allow a rapid and efficient dissemination of its scientific results in the field of chemistry [1].

At that time, a Special Issue was launched under the title “Feature Papers in Compounds” with the aim of forming a collection of high-quality articles published in open access format [2]. This Special Issue included 15 papers (1 editorial, 2 communications, 8 regular articles and 4 review articles) that accumulated over time 92 citations and 56,547 views—which means an average of 6.1 citations per article and 3770 views per article. In addition, this Special Issue gave rise to a printed edition published in 2022.

After this, and with the same goals, “Feature Papers in Compounds (2022–2023)” was presented, also with the objective of presenting a selection of high-quality papers by the Editorial Board Members, and authors invited by the Editorial Office and the Editor-in-Chief [3].

2. Contributions

This Special Issue is composed of 27 manuscripts, of which 6 are review articles, 18 are research articles and 3 are communications. The variety in the topics addressed by the authors constitutes evidence that we are managing to consolidate the interdisciplinary spirit that a journal like *Compounds* should present. Figure 1 shows the word cloud for terms appearing in the Special Issue contributions.

These contributions cover a variety of topics, from chemical analysis and syntheses to bioconjugation reactions or thermoelectric properties. Thus, eight publications address topics related to chemical analysis and synthesis; six deal with biomedical research, medicinal chemistry, and pharmaceutical sciences (one of them even addresses aspects related to traditional Chinese medicine). There are other five contributions along the topics related to materials science and engineering, one on crystallography and structure of the matter, and another related to kinetics and catalysis. In addition, we must consider one contribution related to natural products and another two papers whose topic is food chemistry and nutrition. Finally, we must highlight three contributions related to computational chemistry and molecular modelling.

Table 1 shows the contributions that make up this Special Issue grouped according to their topic.



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Table 1. Contributions in feature papers in Compounds (2022–2023) Special Issue grouped according to their topic.

Topic	Title	Authors	DOI
Analysis & Synthesis	Chemical Compositions and Essential Fatty Acid Analysis of Selected Vegetable Oils and Fats	P.K. Oja et al.	10.3390/compounds4010003
	Investigation of Impregnation Approach of Zinc Oxide Nano-Dispersions for Potential UV Stabilization in <i>Abies alba</i> and <i>Fagus sylvatica</i>	L. Sommerauer et al.	10.3390/compounds3040040
	Integrated Analysis by GC/MS and ¹³ C NMR of Moroccan <i>Cladanthus mixtus</i> Essential Oil; Identification of Uncommon Epoxyfarnesanes	S. El Hafidi et al.	10.3390/compounds3020028
	Synthesis and Spectral, Thermal and Antimicrobial Investigation of Mixed Ligand Metal Complexes of N-Salicylidene Aniline and 1,10-Phenanthroline	A.A. Mohamed et al.	10.3390/compounds3010022
	Synthesis and Predicted Activity of Some 4-Amine and 4-(α -Aminoacid) Derivatives of N-Expanded-metronidazole Analogues	J. Zwawiak et al.	10.3390/compounds3010009
	Fluorinated Merophosphinine and Phosphinine Dyes: Synthesis and Evaluation of UV-Visible Light Absorption Properties	S. Yamada et al.	10.3390/compounds3010013
	Synthesis of Organoalkoxysilanes: Versatile Organic–Inorganic Building Blocks	C.I.C. Crucho	10.3390/compounds3010021
	Facile Synthesis of Pyrrolyl-Containing Semisquaraines in Water as Precursors for Non-Symmetric Squaraines	D.D. Ta et al.	10.3390/compounds3010002
Computational Chemistry	Abraham Solvation Parameter Model: Revised Predictive Expressions for Solute Transfer into Polydimethylsiloxane Based on Much Larger and Chemically Diverse Datasets	A. Zhou et al.	10.3390/compounds3010017
	Computational Study on the Conformational Preferences of Neutral, Protonated and Deprotonated Glycine Dimers	M.L. Pita et al.	10.3390/compounds2040021
	The Effect of Strain on the Aromatic Character of Infitene	M. D’Auria	10.3390/compounds3020025
Food Chemistry	Polyphenols in Health and Disease: Gut Microbiota, Bioaccessibility, and Bioavailability	J. Bié et al.	10.3390/compounds3010005
	Extraction of Polyphenolic and Volatile Compounds from <i>Cistus creticus</i> Using Deep Eutectic Solvents and Pulsed Electric Fields	D. Palaiogiannis et al.	10.3390/compounds2040026
Kinetics & Catalysis	Perovskite-Type Oxide Catalysts in CO ₂ Utilization: A Principal Study of Novel Cu-Doped Perovskites for Methanol Synthesis	F. Scherenk et al.	10.3390/compounds2040031
Materials Structures	Influence of Secondary Interactions on Structural Diversity between a Pair of Halogen-Bonded Co-Crystals Containing Isosteric Donors	H.R. Krueger Jr. et al.	10.3390/compounds2040023
Materials Science	Interplay between Fe(II) and Fe(III) and Its Impact on Thermoelectric Properties of Iron-Substituted Colusites Cu _{26-x} Fe _x V ₂ Sn ₆ S ₃₂	A.O. Polevik et al.	10.3390/compounds3020027
	Antioxidant and UV-Blocking Functionalized Poly (Butylene Succinate) Films	S. Coiai et al.	10.3390/compounds3010015
	Preparation and Characterizations of Curcumin Protection and Delivery System Using Linear Dextrin	H. Xei et al.	10.3390/compounds2040029
	Electrospun Nanofibrous Membranes for Air Filtration	M.F. De Riccardis	10.3390/compounds3030030
	Boronation of Biomass-Derived Materials for Hydrogen Storage	A. Lazzarini et al.	10.3390/compounds3010020
Medicinal Chemistry	Thermodynamic Overview of Bioconjugation Reactions Pertinent to Lysine and Cysteine Peptide and Protein Residues	M. Lopantic et al.	10.3390/compounds3030035
	Enzymatic Screening of β -Amyloid Precursor Protein-Based Substrates	R. Yamada et al.	10.3390/compounds3020026
	Reduction of the Plasma Uric Acid Level in Potassium Oxalate-Induced Hyperuricemic Rats by Heat-Concentrated <i>Prunus mume</i> Fruit Extract Containing Three Chlorogenic Acid Isomers	Y.-C. Wu et al.	10.3390/compounds3010014
	Protection and Rehabilitation Effects of <i>Cordyceps militaris</i> Fruit Body Extract and Possible Roles of Cordycepin and Adenosine	M.X. Bach et al.	10.3390/compounds2040032
	Assessing Antipsoriatic Effects of Bitter Pu’er Tea and Its Three Major Compounds, Strictinin, Theacrine and Epigallocatechin Gallate, in Imiquimod-Treated Mice	P.-Y. Lin et al.	10.3390/compounds2040024
	Traditional Chinese Medicines and Prescriptions Brought from China to Japan by a Monk (Jianzhen, Japanese: Ganjin): A Historical Review	S. Liu et al.	10.3390/compounds2040022
Natural Products	Ageladine A, a Bromopyrrole Alkaloid from the Marine Sponge <i>Agelas nakamura</i>	G.E. Magoulas	10.3390/compounds3010010

The set of articles that constitute this Special Issue is also proof of the internationalization of Compounds, as proven by the wide variety of countries represented by the contributors: 21 countries from with 52.4% from Europe, 9.5% from America, 14.3% from Africa and 23.8% from Asia. Figure 2 shows the distribution by country of these publications.

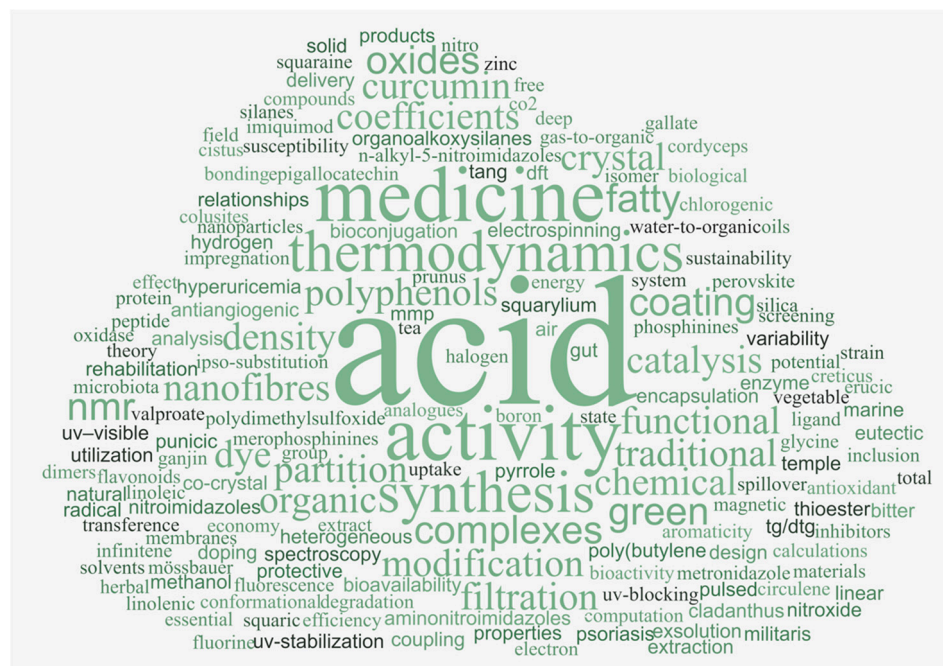


Figure 1. Word cloud for terms appearing in the contributions to the Special Issue.

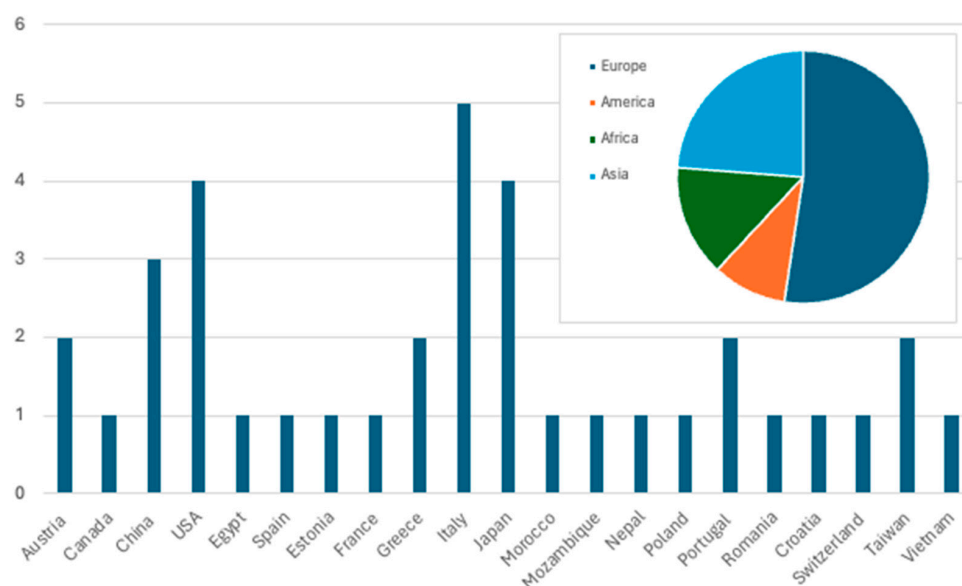


Figure 2. Geographic distribution of the countries of origin of the contributions in “Feature Papers in Compounds (2022–2023)”.

In terms of participation, the success of this Special Issue comes along the achievement of two major milestones within the editorial objectives of *Compounds*, the inclusion of our journal in Scopus (Elsevier) and its indexation in the Emerging Sources Citation Index (ESCI) from Web of Science (Clarivate Analytics), which implies that our journal is tracked for Impact Factor in Journal Citation Reports (Clarivate Analytics). All of this guarantees much greater visibility for the contributions of the authors who have decided to trust *Compounds* as a tool for the dissemination of their academic results.

3. Conclusions and Outlook

In conclusion, we are proud that this Special Issue constitutes an interesting compilation of contributions that display the thematic transversality of *Compounds* and its interdisciplinary

nature in the field of pure and applied chemistry. The success of this second volume of Feature Papers in Compounds—Feature Papers in Compounds (2022–2023)—encourages us to face the challenge of a new Special Issue that will constitute the third volume of Feature Papers under the title “Feature Papers in Compounds (2024)” [4], in which we expect to incorporate new and valuable contributions of interest to Compounds readers.

Finally, we also take this opportunity to invite the entire scientific community to trust our Journal as an Open Access platform to publicize their work, so that the submission of regular articles, communications or review articles are welcomed.

Conflicts of Interest: The author declares no conflict of interest.

References

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