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Editorial

Journal of Experimental and Theoretical Analyses—JETA: A New Open Access Journal for Highlighting the Results of Multidisciplinary Analyses in Science, Technology, and Engineering

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As Editor-in-Chief, I am pleased to introduce *Journal of Experimental and Theoretical Analyses—JETA* [1], a new online open access journal published by MDPI. We are now publishing the results of multidisciplinary analyses explaining phenomena and solving problems appearing in science and technology, and of interest and impact to the various fields of engineering.

Reaching an advanced and in-depth understanding of the relationship between the structure, properties, functions, and applications of different methods of analysis has always been of paramount importance to science, technology, and engineering. This never-ending struggle requires brilliant and extensive research into the methods and applications of analysis science in terms of both the experimental and theoretical aspects. These play a pivotal role in the development of technology, with the fundamental constrain of improving, at the same time, sustainability and the way we live.

This journal aims to provide a forum platform for scientists, academicians, and technologists all over the world to promote, share, and discuss papers revealing crucial insights into a more accurate, in-depth understanding of the relationship between structures, properties, functions, and applications in various fields, from bioengineering to materials engineering. Ultimately, our objective is to correlate with the applications of physical and life sciences pervading practically all aspects of live.

A non-exhaustive list of the main topics of interest for *JETA* includes [1]:

- Bioengineering analysis:
  - Spectroscopy analysis focused on biotechnology;
  - Statistical analysis of experiments, e.g., Z and t-tests, analysis of variance;
  - Bio-medical sensors: functional analysis and testing;
  - Footprint enzymatic analysis methods;
  - Analysis of results from analytical techniques;
  - Advanced approaches for functional characterization;
  - Imaging analysis;
  - New approaches for dataset analysis;
- Material engineering analysis:
  - Microscopy analysis techniques (especially TEM (transmission electron microscopy) and SPM (scanning probe microscopy));
  - Tomography techniques and related image analysis;
  - Diffraction techniques;
  - Surface analysis;
  - Spectrometry techniques (especially FTIR (Fourier transform infrared spectroscopy) and Raman spectroscopy);
  - Thermal analysis;

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- Rheological analysis;
- Performance and durability analysis;

- Electric and electronic engineering analysis:
  - Statistical analysis in electric and electronic engineering;
  - Noise reduction using statistics;
  - Advances in NDT (non-destructive testing) and real-time measurement approaches;
  - Failure analysis of devices and systems;
  - Multiscale modeling and simulation methods;
- Mechanical engineering analysis:
  - Modeling, implementation, and testing methods for Additive Manufacturing;
  - Stress and failure analysis;
  - System analysis;
  - Analytic tools;
- Environmental engineering analysis:
  - Statistics for environmental analysis;
  - Advances in environmental analytical methods;
  - Qualitative and quantitative methods analysis;
  - Advances in LCA (life cycle assessment) analysis;
- Food engineering analysis:
  - Quality control and traceability of foodstuffs;
  - Microextraction methods for analyte determination in complex matrices;
  - Volatile compounds in food matrices;
  - Advances in methods for improving food quality and safety feasibility;
  - Qualitative and quantitative method analysis for food processing;
  - Protocols and analysis for the reliability of functional foods;
  - Analysis of sustainable procedures for recycling wasted foodstuff.

JETA will publish rigorously peer-reviewed articles (such as original research, reviews, and communications). A high standard of publication will be guaranteed, with adequately fast but accurate editorial times, fully respecting and preserving the integrity and ethics of scholarly publishing.

It is important that we do not avoid the classic question when publication is launched: *Why does this field of study warrant a new journal?*

The future of the various, interrelated, and multidisciplinary fields requiring advances in experimental and theoretical analyses is very bright; such advances will have positive impacts on the development of new products and services that ultimately enhance society, the environment, and quality of life. It is also worth observing that the scale of the research infrastructure devoted globally to developing and carrying out experimental analyses, and to supporting theoretical findings and innovation towards market applications, is rapidly and continuously increasing. Additionally, *JETA* can represent an ideal place for a fast and open dissemination of results.

JETA is thus a new journal with a wide variety of possible authors and an even wider audience of possible readers. Its principal value lies in the fact that this is the first scientific journal explicitly devoted to combining perspectives of technological applications and deep technology, furthermore to publishing papers on *'the methods and applications of analysis science on both the experimental and theoretical aspects of engineering, which advance the in-depth understanding of the relationship between the structure, properties, functions, and applications using methods of analysis'* [1].

As an open access journal with quick publishing, *JETA* aims to provide high visibility and timely impacts, guaranteed thanks to the combination of the efficient online platform, staffed with expert and reliable editorial and publishing teams that MDPI has developed

over the years. It is worth noting that, in order to recognize the value of all in-depth studies, no restriction is placed on the length of papers.

I strongly believe that open access must become the 'standard' way of making research findings both freely available to anyone and accessible everywhere. Open access policies require proper implementation in order to make high-quality and carefully peer-reviewed work available in our present and future society (everywhere, at any time and, overall, to anyone, without any limitation and/or discrimination) independent of any political/religious constrain. Many countries and supranational institutions (such as the European Community) are currently requesting that their funded research be disclosed in this form. In this framework, considering the low open access fees for publication in *JETA*, I warmly invite all researchers with new results regarding experimental and theoretical analyses to submit their manuscripts on *JETA*.

Finally, a special thanks in advance to the members of the qualified international Editorial Board, which will be expanded in the near future. The board has a great responsibility in making the required effort to launch this new journal, but I am confident that the expertise and judgment of editors, together with their diversity, will ensure the highest scientific quality in terms of the selection and the review process of the submitted manuscripts, thus allowing *JETA* to become a leading and influential journal in the field of experimental and theoretical analyses.

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

Reference

1. *JETA* Home Page. Available online: https://www.mdpi.com/journal/jeta/about (accessed on 9 January 2023).

Short Biography of Author

Prof. Dr. Marco Rossi is Full Professor of Experimental Physics of Matter at the Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome in Italy. He is one of the Founder of NanoItaly Association (Vice-president, since its foundation in 2015 to 2020), a non-profit scientific association, aimed at promoting and enhancing the role of nano-biotechnologies and nanosciences in the Italian, European, and international society. He has been the Chair of the Organizing Committee for the past editions of international conference NanoInnovation organized by the association since 2016. His research interests mainly concern nanoscience and nanotechnology problems. Professor Rossi has published more than 210 scientific papers in international peer-reviewed journals. In recent years, he has also been devoted to defining new methodologies and strategies for soft matter imaging (from polymers to bacteria) through a combined and synergistic use of electron microscopies, diffraction techniques, tomography, and scanning probe microscopies with related spectroscopies. He has rich experience in research project management and coordination and in peer- reviewing procedures regarding both scientific papers and research grants and projects. He is the Coordinator of the on-going European H2020 project CHALLENGES, involving 14 different partners from 8 different European countries. In 2022, he was a panelist of the Group of Evaluation Experts (GEV), in the scientific area of Physics, for the Evaluation of Italian Research Quality from 2016 to 2020, under the aegis of the Italian Ministry of University and Research.