

INTRODUCTORY WORD OF THE EDITOR IN CHIEF**Angelė Lileikienė, Prof., dr.**

Lithuania Business University of Applied Sciences Klaipėda,
Lithuania

Dear Colleagues,

The journal „European Science“ is dedicated to the publication of new scientific ideas, focused on presenting the results of theoretical-methodological and applied research not only in a European context but also in a broader context. The consistency of the journal, published 4 times a year, allows researchers to present their research results in a dynamic way, as well as to compare scientific conceptualization in the context of research conducted by researchers from other countries.

„European Science“ is a wide-ranging research journal because it covers a broad range of scientific disciplines. Research interests: management, history, law, medicine, political science, economics, pedagogy, cybernetics, public administration, etc.

I invite researchers from EU universities and other scientific institutions to actively publish scientific articles in the journal „European Science“.

INTRODUCTORY WORD OF A MEMBER OF THE EDITORIAL BOARD**Larysa Yankovska****Doctor Hub. in Economics, professor**

Honored Worker of Ukraine Education

Member of the ASU, Member of the IAAC

Chancellor of Lviv University of Business and Law Lvyy, Ukraine

Dear reader!

We would like to bring to your attention the scientific journal EUROPEAN SCIENCE containing the findings on topical scientific directions and interdisciplinary research.

The main target of our journal is to create an effective background for discussing urgent scientific ideas, achievements, debating points of theory and practice. The magazine has significantly developed and the geographical representation of authors and readership has expanded throughout its existence. The scientific journal EUROPEAN SCIENCE is currently one of the few scientific periodicals of multidisciplinary nature included into numerous scientometrical bases, and it is characterized by high quality of publications provided by double blind peer review and fulfills an important function of uniting the efforts of scientists from different countries to solve actual problems of modern science and practice.

This issue consists of articles written on topical scientific subjects and focused on solving important scientific and practical problems of various fields.

The materials presented in the publication are useful for scientists and practitioners, students, post-graduate students and doctoral students, public employees, entrepreneurs, statesmen.

We hope that the articles released in the given issue will provoke your interest, expand the range of research interests and image into your scientific and professional activities.

Best regards.

INTRODUCTORY WORD OF THE EDITION FOUNDER

EURÓPSKY INŠTITÚT DALŠIEHO VZDELÁVANIA
EUROPEAN INSTITUTE OF FURTHER EDUCATION

Jozef Zaťko
Dr.h.c., mult., JUDr., Honor. Prof., mult.
President EIDV, Podhajska, Slovak Republic

Dear reader!

As scientific knowledge increases and the boundaries of science move forward, setting increasingly ambitious and complex goals involving hundreds or thousands of scientists from different countries is becoming more and more essential for the achievement of the scientific goals.

However, no project would be feasible without the support of an international public opinion fully aware of the importance of its purpose both from a scientific point of view and from that of the technological, economic and social implications.

Close collaboration between scientists and science communicators is therefore more relevant than ever to ensure that information on those issues is accurate, thorough and as broad as possible.

Hence, we would like to bring to your attention the scientific journal EUROPEAN SCIENCE containing the findings on topical scientific directions.

This issue presents a broad-based spectrum of thought provoking articles that are reflective of the ever-expanding Universe. As you read through these articles, be sure to capture the innovative concepts becoming a reality and look for opportunities to apply them to your own efforts at the realization.

We hope, you enjoy this journal, and encourage you to reach out to us for opportunities to publish your own thought-provoking articles in future issues.

Best wishes,

A handwritten signature in black ink, appearing to read 'Jozef Zaťko', with a flourish above it.

ASSOCIATE AND MANAGING EDITOR

Robert Jeyakumar Nathan, Dr., PhD., M.Phil.
Faculty of Business
Multimedia University, Melaka, Malaysia

Biography

Dr Robert Jeyakumar Nathan received his Bachelors in Business Administration (Honours) in Marketing with Multimedia; and Masters of Philosophy (Management) from Multimedia University, Malaysia. He conducted his postgraduate research attachment on leadership with Swinburne University of Technology, Melbourne (Hawthorn Campus) under the Asia Pacific Leadership Project (APEL Australian Government Grant) in Australia. He obtained his PhD (International Marketing) from Universiti Malaysia Sabah, Borneo Malaysia. Robert is a certified trainer with Pembangunan Sumber Manusia Berhad (PSMB) under the Malaysian Ministry of Human Resources. He also holds certified Stanford University Train the Trainer (TTT) for Design Thinking, and has obtained Distinction in IPA Foundation Certificate from the Institute of Practitioners in Advertising (IPA) UK.

Prior to joining the academia, he worked as Systems Analyst for Siemens Semiconductor AG (now Infineon Technologies AG), a semiconductor company based in Munich, Germany. Robert specializes in Manufacturing Statistics and Big Data Analytics and has conducted statistical, data mining, and enterprise knowledge and project management workshops in the Asia Pacific, Japan, Europe and North America. He received Covey's 7 Habits training and mentorship in Siemens as well as IPMA (EU International Project Management Association) Project Management experience, managing Class D, C, B and large scaled A projects in the global operation of the company. He is active in the company Occupational Safety and Health committee and employee safe work initiatives. This includes conducting trainings on Behaviour-Based Safety and Ergonomics at workplace. His training involves bringing together engineers and managers from multiple cultural backgrounds and to unify diverse work teams to perform in unity towards achieving excellence.

Robert is currently attached to Multimedia University in Malaysia as Senior Lecturer with the Faculty of Business and the Head of Department for Marketing Degree Program. He does corporate trainings for executives on Design Thinking and Innovation, Leadership, Service Marketing, Digital Entrepreneurship, Fintech and Digital Banking Solutions, Workplace Communications, Job safety analysis and Ergonomics, and Emotional Intelligence. He participates in academic research projects in Malaysia, Singapore, Europe, Australia and in the Middle East. His research interests include Marketing and Internet of Things; Electronic Commerce & Industrial Revolution 4.0; Empathetic Leadership; Usability and Ergonomics; and Occupational Safety & Health.

Active in research and mentoring, he has published over 80 refereed academic journal papers, book chapters and conference proceedings; most of which are in Web of Science

and Scopus indexed. He believes is quality and depth in academic research and publishing, and has often called on to the university to be conscience of the society, and for academics to be a lighthouse to the community. He has penned his thoughts and published two notable works with the Australian Universities' Review calling for academic integrity and honesty in teaching and research. In 2013 he published an article entitled "**Universities at the Crossroad: Industry or Society Driven?**" with the *Australian Universities' Review*, Vol. 55, issue number 2. In year 2019, he wrote "**Publications, Citations and Impact Factor: Myth and Reality.**" *Australian Universities' Review*, Vol. 61, Issue number 1. Both works iterates the importance for academics not to engage in dishonest academic practices, instead focus on improving society through high quality teaching and research with integrity.

Robert serves in the Malaysian Academic Movement (MOVE) as the Assistant Secretary General, affiliated to Education International, Brussels. He promotes quality education and accessibility of education to all in line with the United Nation's Sustainable Development Goal Number 4. He is among the 50 Global Advocate for SDG#4. He also represents Education International as Panel for Education and Research with the United Nation's Agency - World Intellectual Property Organization (WIPO) in Geneva, where the Standing Committee for Copyright and Related Rights meet twice yearly. Robert has been Visiting Scholar with Szent Istvan University, Hungary in year 2019, The University of Newcastle Australia and University of Wollongong Australia in Singapore, and sits in the Academic and Exam Board of Academies Australasia College in Singapore.



WE ARE INTRODUCING A MEMBER OF EDITORIAL BOARD



Nadiia Shmygol, Prof., DrSc.,
Zaporizhzhya National University, Ukraine

Professional experience

Accomplished expert in preparing and reviewing financial reports, in accounting and audit, possessing computer skills, proficient lecturer successfully using information technologies as an educator, able to work under stress, possessing broad skills in interacting with people directly and in business correspondence as well as having good understanding of administrative work.

Education

Zaporizhzhya State University, Physics and Mathematics Department, major in Applied Mathematics – 1990-1995.

Zaporizhzhya State University, Economics Department, major in Accounting and Audit –1992-1998.

University of Humanities „ZISMA“, 2005 – Master’s degree in Educational Institutions Management and Statistics, 2007 – Master’s degree in English Language and Literature.

In 2005 defended a thesis and obtained a diploma of Candidate of Sciences (comparable to the academic degree of Doctor of Philosophy, Ph.D.) Economics in Economic and Mathematical Modeling. In 2013 defended a thesis and obtained a diploma of Doctor of Sciences in Economy and Management of enterprises. Certificate of professor of Accounting and Audit Department (2014)Employment

Zaporizhzhya secondary school of continuous education No.7, 1995-1999.

Position: teacher in Computer Science.

Zaporizhzhya branch of Interregional Academy of Personnel Education (MAUP), 1999-2003.

Position: senior teacher of the chair of Economics and Management, deputy director for finance.

University of Humanities „Zaporizhzhya Institute of State and Municipal Administration (ZISMA)“, Zaporizhzhya, from 2003.

Position: senior teacher of the Economic Cybernetics and Statistics chair, from February 2005 – assistant professor of the chair, from November 2005 – deputy head of the chair, acting head of the chair.

2007 - assistant professor of the Department of Economic Theory of Zaporizhzhya National University, April 2009 – deputy dean of Economics Department of Zaporizhzhya National University for scientific work.

September 2009 – Doctor of Sciences candidate of the National University of Food Technologies, Kyiv

September 2012 - assistant professor of the Department of Finance of Zaporizhzhya National University
October 2013 – professor, head of Accounting and Taxation Department of Zaporizhzhya National University

Besides, worked part-time in auditing firms and was the chief accountant of companies from various fields of activities.

Personal Data

Born in Pavlodar city in Kazakhstan. Graduated from Zaporizhzhya secondary school No. 15 with honors. Married, two children.

Additional Info

Certified Accounting Practitioner (CAP) Certificate from International Council of Certified Accountants and Auditors No.416, Certificate of Accounting Practitioner No. 21 from the Federation of Professional Accountants and Auditors of Ukraine, The certificate of course completion «Institute Program Manager and Facilitator Workshop « - Cisco Entrepreneur Institute (2009). The certificate acknowledges in «Teaching CSR» (2009). The DIPLOMA of the Institute of Professional Financial Managers «Incompetence in IFRS» (2013). English speaking skills (C1 Level), Russian speaking skills (C2 Level), have a document confirming belonging to the Polish nation, Polish speaking skills (B2 Level), have a driver's license.

WE ARE INTRODUCING A MEMBER OF EDITORIAL BOARD



Valentinas Navickas

Doctor of social sciences (economics), professor at Kaunas University of Technology (Lithuania), the School of Economics and Business.

Author of more than 300 scientific publications (including monographies published in Czech Republic in 2013 and Slovak Republic in 2016, 2018) and scientific articles, published in Lithuania and abroad. Author of five experimental development projects. Prepared 6 doctors of social (economics) science; now he is research adviser of 3 persons maintaining a doctor's thesis of social (economics) science.

Other experience includes diverse activities in both public and private space. Examples include, Lithuanian-Polish Cross Border Cooperation Program executor, head of Strategic planning of Molėtai city district. Also, acted as an independent expert on economics on multiple projects in various industries, such as forestry, real estate and others. Few of the projects include "Analysis of Lithuanian Forest Entities Taxation System and Suggestions for Improvement"; "Development of methodology for setting differentiated profit rate of forest enterprises"; "Methodology for calculating the economic depreciation of real estate" as well as "Analysis of the feasibility of establishing a system to measure changes in the real estate market" and "Determining the significance of factors and risks affecting real estate and business value through expert survey".

Has prepared all or part of 4 textbooks for higher education institutions (universities and other) with few of the following topics "The peculiarities of European Union markets"; "Management Control in Multinational Firms"; "Development Economics" and "Peculiarities of European Markets"

Has received multiple awards, including Acknowledgment of Lithuania's Minister of Economy for leading the best Master's thesis in the 2013 Lithuanian Master's thesis competition in the field of social sciences.

Few other positions includes Expert of the Lithuanian Research Council; Member of KTU Doctoral Committee in Economics; Expert and member of the Academic Council, Eastern European Development Agency (Slovakia); Chief Editor of International Journal of Management: Theory and Applications (US, ISSN 2281-8588); Chief Editor of Journal of Management = ISSN 1648-7974 and also member of Editorial Boards in multiple other journals, including ones in Lithuania, Slovakia, Slovenia, Turkey.

Furthermore, participant and member of multiple scientific committees in international scientific conferences in Lithuania, Slovenia, Slovakia, Turkey, Poland, Indonesia, Taiwan, Japan and elsewhere.

Other positions also include head of expansion in American football club Kaunas "Dukes" in Lithuania.

Able to communicate in 5 languages: Lithuanian, Russian, French, English and Slovak.

Fields of scientific interest: international economics, logistics, clusterization, competitiveness, economical growth, corporate social responsibility.

HOW TO BECOME A SUCCESSFUL AUTHOR OF A PAPER TO BE PUBLISHED IN A WORLD-CLASS SCHOLARLY JOURNAL?



Miroslaw J. Skibniewski
Prof., Ph.D

University of Maryland, College Park, USA

An invited Guest Editorial

JUDr. Jozef Zat'ko, Publisher of *Europska Veda*, has asked me to prepare and convey a set of guidelines for authors who wish to be successful in preparing and submitting scholarly papers for consideration for publication in world-class, globally scoped academic journals, such as those indexed in Elsevier's **Scopus™** and ScienceDirect™ and/or in Clarivate Analytics' **Web of Science™ databases**. My guidelines provided below are intended for relatively junior authors, with limited prior experience in publishing, who are preparing their manuscripts in the realm of applied sciences. Some of the issues being raised herein are universal and as such they are equally applicable in other scholarly domains as well. I have based these guidelines on my 25+ years of experience as an editor-in-chief of a high-ranking international research journal in my own academic discipline. The journal has been included for a number of years both in Scopus™ and in the Web of Science™, earning their relatively high CiteScore™ and Impact Factor™ designations.

Academics work in an increasingly competitive environment. With many narrowly defined scientific disciplines, the race to the top has become relentless. There are currently over two thousand academic journal publishers worldwide, publishing over twenty thousand journals. The total number of refereed journal papers now exceeds 1.6 million annually and it is still growing rapidly. The largest numbers of such papers originate from the U.S.A., with China closely behind. A growing, and still largely unregulated, market for open-access publications further complicates the publishing environment. Over 90 percent of academic journal papers ever published will have been published in our professional lifetime. Ethical issues in academic publishing abound.

A successful article should contain the following major components, preferably but not necessarily presented in the stated order.

1. The title:

The title of an article should be as short as possible, but it should reflect the main issue addressed in the paper as well as the paper content. In most cases, the title of the article is decided after the entire content of the article has been completed. The wording of the title should avoid uncommon acronyms or descriptors confining the contents of the paper only to one country or one geographic region.

2. The abstract:

The abstract is an advertisement of your paper. It should be written in clear, short sentences which are easy to understand and should accurately reflect the contents of the paper and its main contribution to the global body of knowledge. One must avoid unnecessary

sentences that belong to the introduction section of the paper. An good abstract should contain only 6 short sentences as follows: 1) The scientific domain and the problem within the domain which is the subject matter of the paper, 2) The research question to be answered in the paper, 3) The means and methods (scientific tools) used to obtain the answer to the stated research question, 4) The answer to the research question, 5) The meaning and importance of the answer and the results obtained, 6) The future research directions based on the results of the completed research reported in this paper. The entire abstract should not exceed one-half of a printed page.

3. The keywords:

Keywords are the labels of your manuscript used in scientific databases containing many thousands of papers. A correct use of keywords will determine if your article is noticed by potential readers, or if it is only glanced over before the reader decides to move on the next article in the database without reading yours. Keywords that are generic in nature are always ineffective.

4. The introduction:

This section should set the stage for what is presented in the article. One must provide a clear description of the problem to be addressed along with detailed explanation of the importance of the problem. One should also define the group of stakeholders – the larger the better – for whom the stated problem is important. This is followed by the definition and detailed description of the specific research question to be addressed. A detailed justification of the importance of the question stated is also essential, along with a description of other related questions which are not being addressed in your paper. A clear definition of the future beneficiaries of the answer to be obtained must also be provided.

5. The literature review:

One must provide a critical, very brief and comprehensive summary of the most relevant prior research by the author(s) of this paper as well as by other writers worldwide attempting to address the same research question or other closely related questions. Such questions may have been addressed within the same subject domain, but also in different domains - sometimes in scholarly fields unrelated to one's own. All cited publications should be critically reviewed; do not cite publications that you have not fully absorbed and have not explained their relevance to the subject matter presented in your paper. Avoid an excessive number of self-citations or citations of publications from the same country or from the same geographic region.

6. The research methodology (your own selection of means and methods/tools employed to answer the stated research question):

This section contains the detailed description of your approach to obtain the answer to your research question. Provide a clear justification of your selection of this approach and briefly discuss any alternate approaches which were also initially considered but ultimately discarded, along with justification of such a decision. Do not regurgitate a detailed description of established, well-known analytical tools, procedures or testing methods – it should suffice to cite relevant sources. Your description should be complete, i.e. it should be possible for a reader to reproduce the results of your research with the use of the stated means and methods used to obtain your research answer. Describe in detail your data formatting and other requirements related to the performance of statistical tests and analyses. Avoid procedural shortcuts which may render your methodology description useless to interested readers.

7. The research results:

Provide a clear, detailed description of your results obtained by you with the use of the research methodology described in item 6 above. Concentrate on the main points and avoid digressing to only loosely related or unrelated topics. Your description should be aided by well-formatted and fully readable tables and figures emphasizing the main points being made. Avoid the inclusion of lettering and labels in a language other than English, as these will be useless for an audience unable to read in that language. Provide clear

evidence and description of the validation of the obtained results by other researchers or in professional practice related to your academic field. Normally, validation attempts with the use of computer simulation only based on arbitrarily constructed models will be considered insufficient by reviewers assigned to evaluate your paper, as such reviewers often prefer the evidence of real-life implementation of your results.

8. The discussion of research results (discussion of the importance of the answer to the stated research question):

This may be the most important section from which the potential reviewers will begin their examination of your paper. Describe what your results mean and why they are important for the audience/readers/stakeholders targeted by this paper. Elaborate in detail on the contribution of your results to the body of new knowledge in your own scientific discipline and beyond.

9. Conclusions and directions for future research:

This section provides a brief summary of the most important findings produced by the presented research. Describe in detail why this finding may be important to a global audience, not merely to your national or regional stakeholders. One must also describe the limitations of the results obtained and suggestions on how these limitations may be overcome with follow-up research. Additionally, one should provide a detailed description of how the results presented will inspire future generations of researchers worldwide aspiring to make contributions in the same or related fields of academic and professional endeavor.

10. The references:

Make sure that all cited items contain complete bibliographic data. Avoid citing an excessive number of references which may be redundant and references in languages other than English. If one feels compelled to cite a non-English language reference, make sure to provide an English translation of the title (in parentheses next to the title in the language of the publication). There is a growing trend to provide a digital object identifier (DOI) for each journal paper or conference proceedings article being cited that has such an identifier, an ISBN for each book reference, and a web address with the date of last access for all other resources. There is also a diminishing emphasis on a particular format of references (as long as the cited items are listed in a consistent manner), as the article typesetting processes at the publishers are currently automated and conversions from one referencing format to another are straightforward.

Most high-ranking journal publishers have been quietly removing strict limitations on the number of pages or words a paper is allowed to contain due to the fact that most paid subscriptions are currently electronic. This removes the burden of the authors to conform to the volume limitations of their articles, allowing for a complete presentation of relevant research results. Additionally, datasets used in the conduct of the research being presented may be stored in cloud-based repositories accessible by all concerned.

Owing to the limitations of space, this guest editorial does not touch upon numerous contemporary issues related to the publication of papers in scholarly journals. However, I often conduct hands-on, full-day workshops in academic settings worldwide for aspiring and active academics interested in sharpening their writing skills and in becoming successful in publishing their papers in top-ranking international scholarly journals. There are ample opportunities to address individual interests and answer specific questions during such workshops. I hope to see many of the readers of this editorial in a workshop to be conducted in the future in a location near you.

Mirosław J. Skibniewski
10 February 2019

University of Maryland, College Park, USA
<https://pm.umd.edu>
<http://e-construction.umd.edu>

WE ARE INTRODUCING A MEMBER OF EDITORIAL BOARD



Viktor Beschastnyi

Doctor of Juridical Science, Professor,
Honored Lawyer of Ukraine.



Date of birth: 9 November, 1959.

Education: higher, graduated from Kharkiv Law Institute (now – National University «The Yaroslav Mudry Law Academy of Ukraine»), on a speciality «Jurisprudence», Donetsk State University of Management, on a speciality «Finance». In 2005 he defended the thesis for the scientific degree of Candidate of sciences in Public Administration on the topic: «A mechanism of public administration by professional training of the internal affairs personnel». In 2010 he defended the thesis for the scientific degree of Doctor of Public Administration on the topic: «A mechanism of public administration by the development of higher educational institutions of the system of the Ministry of Internal Affairs of Ukraine». In May 2018, he was awarded a Doctor of Science degree in speciality 12.00.08 «Criminal Law and Criminology; Penal enforcement Law».

Since 1981 he served in the internal affairs agencies. 1983-2003 – service in the internal affairs agencies of Donetsk region. Since 2003 – the rector of Donetsk Institute of Internal Affairs at Donetsk National University (now – Donetsk Law Institute of the Ministry of Internal Affairs of Ukraine).

History

The history of Donetsk Law Institute of the Ministry of Internal Affairs of Ukraine dates back to April 28, 1961, when according to the order No 0109 of the Minister of Internal Affairs of the Ukrainian SSR Stalino (Donetsk) specialized secondary militia school of the Ministry of Internal Affairs of the USSR was established. The cadets of Kyiv specialized secondary militia school of the Ministry of Internal Affairs of the USSR were transferred to Stalino (Donetsk) to continue their studying at the 2-nd course of the newly established educational institution.

In 1964, the educational institution was relocated from a small settlement and the educational institution received its permanent registration in Kyiv district of the city of Donetsk until 2014.

Taking into consideration the socio-political conditions prevailing in the eastern Ukraine, the educational institution was forced to change its location.

According to the order of the Ministry of Internal Affairs of Ukraine No. 1010 dated September 30, 2014, Donetsk Law Institute of the Ministry of Internal Affairs of Ukraine moved to Kryviy Rih, where the higher educational institution-forced migrant provides educational and scientific activities.

Activity

Thanks to the dedication of the staff and personally the rector V. M. Beschastnyi the Institute has firmly entrenched in the educational field of Kryviy Rih district. As at 2018, the higher educational institution has two large training buildings, fully equipped for the educational process and placement of the cadets, a special hostel for teachers and the rest of the staff, a student hostel.



In 2016 Mariupol Training Center (now it is the «Police Academy» of Donetsk Law Institute) joined the Institute. It was a significant event in the life of the Institute that symbolically highlighted the connection with Donetsk region.

The strengthening of the personnel potential has allowed to gradually restore the structure of the educational institution. Today the Institute includes 4 faculties, 12 departments where the educational process is provided by a powerful team of teachers, among them there are 16 doctors and 60 candidates of sciences.

In spite of temporary personnel losses, Donetsk Law Institute has remained a very powerful research center. So, the Research laboratory on problematic issues of law enforcement activities continued its work. In addition, the Specialized Academic Council on five specialties functions in the Institute.

The Institute obtained a license for training of Doctors of science in the field of «Law» which was approved by order of the Ministry of Education and Science of Ukraine on 4 July, 2016.

Today Donetsk Law Institute has a powerful Education and Training base as in Kryvyi Rih (a total area is 11608, 79 sq. M), so and in Mariupol (a total area is 1,704,14 sq. M), and makes every effort to provide modern innovative development of the educational process of training of future policemen and lawyers.

Donetsk Law Institute is the only institution of higher education in Kryvyi Rih district where a full course of training of future lawyers is provided – from the Bachelor's degree to the Doctor of science degree.

Our address: Kryvyi Rih, Stepana Tilgi Street, 21, Spivdruzhnosti Street 92a
Mariupol, Budivelnykiv Avenue, 145

