# **AKTET**

# Journal of Institute Alb-Shkenca Revistë Shkencore e Institutit Alb-Shkenca

Vol. VIII, 2016



## **AKTET**

## Journal of Institute Alb-Shkenca Revistë Shkencore e Institutit Alb-Shkenca

Vol. IX, Nr 1
© 2016 Institute Alb-Shkenca

ISSN 2073-2244 www.alb-shkenca.org

## Editor-in-chief

Robert Magari, Ph.D., Beckman Coulter Inc., Miami, Florida, USA

## **Editors**

Aleksander Kocani, Dr., University of Tirana, Tirana, Albania

Altin Stafa, MD, Maggiore Hospital, Bologna, Italy

Anila Hoda, Dr, University of Agriculture, Tirana, Albania

Ardian Harri, Ph.D., Mississippi State University, Mississippi State, Mississippi, USA

Elton Pasku, Ph.D., University of Tirana, Tirana, Albania

Evan Rroço, Prof., Dr., University of Agriculture, Tirana, Albania

Kristaq Jorgo, Dr., University of Tirana, Tirana, Albania

Margarita Ifti, Ph.D., University of Tirana, Tirana, Albania

Paul Neuman, M.Sc., Canadian Institute of Technology, Tirana, Albania

Nikolla P. Qafoku, Ph.D., Pacific Northwest National Laboratory, Richland, Washington, USA

Pandi Zdruli, Ph.D., Mediterranean Agronomic Institute of Bari Valenzano, Bari, Italy

**Roza Allabashi**, Dipl.Ing. Dr., University of Natural Resources and Applied Life Sciences, Vienna, Austria

Shpresa Tafaj, Dr, Polytechnic University of Tirana, Tirana, Albania

Zeqirja Neziri, Prof., University "St. Cyril and Metodij", Skopje, Macedonia

## **Technical editors**

**Eshref Januzaj**, Dipl.-Inform. Univ. (M.Sc.) Ludwig-Maximilians-Universität, München, Germany **Roland Lelaj**, Millennium Research Group, Toronto, Canada

## **CONTENT**

THE IMPORTANCE OF PRESERVING THE ECOSYSTEM OF THE VILUN LAGOON ARJANA YLLI, ANI KOCI KALLFA	1
IMAGE FLUORESCENCE PHOTOSYNTHETIC OF PLANTS AND THEIR ACTIVITY IN THE PRESENCE OF STRESS AIR POLLUTION ERIOLA HIDA	6
THE EFFECT OF DIFFERENT STOCKING DENSITY ON BROILER' GROWTH PERFORMANCE ELENI MAVROMATI, SABAH SENA, LUMTURI SENA	9
ESTIMATION OF HETEROSIS FOR THE SPIKE TRAITS IN F1 GENERATION IN BREAD WHEAT SHUKRI FETAHU, IMER RUSINOVCI, SALI ALIU, SALIH SALIHU, DUKAGJIN ZEKA, QËNDRIM SHABANI, HANS-PETER KAUL AND FETAH ELEZC	13
DENTAL RADIOGRAPHY EXPOSURES AND HEALTH RISKS ANTUELA SINANI, KOSTANDIN DOLLANI	18
WELDABILITY OF STEEL AT LOW TEMPERATURES RRAHIM MAKKSUTI, HYSNI OSMANI, MURSEL RAMA	21
AN OVERVIEW ON CRYPTOGRAPHIC ALGORITHMS IN CLOUD SYSTEMS AND SECURITY ISSUES BLERINA ÇELIKU	26
THE MAIN PARAMETERS NECESSARY FOR PLANNING A WAN NETWORK B. AHMEDI	30
REFRACTIVE INDICES, DENSITIES AND EXCESS MOLAR VOLUMES OF BINARY SYSTEMS METHANOL+WATER AND ETHANOL+WATER AT T = 293.15 K FISNIK ALIAJ, NAIM SYLA, ARLINDA BYTYQI-DAMONI	36
EDGEWORTH EXPANSIONS FOR BOOTSTRAP CONFIDENCE INTERVALS CORRECTNESS EDLIRA DONEFSKI, DANJELA BRAHO	40
ON THE MARTINGALE STATISTICAL CONVERGENCE DANJELA BRAHO, EDLIRA DONEFSKI	46
ANTIBIOTIKORESISTANCE IN SOME ISOLATED STRAINS OF SALMONELLA ENTERITIDIS FROM EGG PRODUCTION BIRDS IN THE REGION OF LIPJAN IN KOSOVO HYZER RIZANI, BESART JASHARI, SMAJL RIZANI, PRANVERA CABELI, TANA SHTYLLA, SONILA COCOLI, MUSLI KOZHANI	50
SIMULATED REGRESION DATA SET USING MULTIPLE IMPUTATION FOR MISSING DATA ELIONA MILOA, LORENA MARGOA	53

<b>DIFFERENT METHODS OF ESTIMATION FOR NEW LIFETIME DISTRIBUTION</b> ARBËR QOSHJA	58
COMPARING BLOCK BOOTSTRAP PROCEDURES FOR PERIODICALLY CORRELATED TIME SERIES LORENA MARGO, ELIONA MILO	63
ENVIRONMENTAL INDICATORS IMPACT ON THE QUALITY OF OLIVE OIL ALMA SHEHU, ELISA PEÇI, FATMIRA ALLMUÇA	67

## **GUIDE FOR AUTHORS**

AKTET publishes papers presented during the annual meeting of Institute Alb-Shkenca (IASH). The journal publishes only research papers containing original, novel, and relevant research that enhances the existing knowledge. The editorial board consists of an editor-in-chief, a technical editor, and several subject areas editors. Authors that have presented during the annual meeting of IASH are welcomed to submit their work for publication.

Manuscripts must be submitted in English. Submission of the manuscript implies that essentially the same research is not published before (except in a form of a summary, lecture, or thesis), is not submitted elsewhere for publication, and that the manuscript is approved by all the authors and authorities where the work is carried out. Authors are requested to disclose any conflict of interest and provide information for any financial support used to conduct the research. An accepted manuscript cannot be published elsewhere without the written permission of IASH.

The journal publishes only original work that contributes to the advancement of science. Plagiarism is not acceptable and will be reported to the appropriate authorities. Conclusions should be justified by the experimental design and data. The presented information should have sufficient details to permit others replicate the work. Authors should retain the research data and should be able to provide these data to the editorial board if asked. Please use appropriate language, be concise and grammatically correct. Authors are responsible for the scientific accuracy and the format of the submitted manuscript as well as the content of the correspondence with the editors.

## ORGANIZATION OF THE MANUSCRIPT

Manuscript should be limited to 2500 words or 6 pages including title, summary, text, bibliography, tables, graphs, etc. Manuscript should be saved in Microsoft $^{*}$  Office Word; page size 176 mm x 250 mm (6.93 inch x 9.85 inch); top and bottom margins 22.86 mm (0.9 inch); left and right margins 12.7 mm (0.5 inch); Calibri font. Do not use footnotes or endnotes. Pages should be numbered while the title, names and contact information of the authors should be provided on the first page. Manuscript should contain:

- 1. Title: Be concise and clear. Provide authors contact information and corresponding author's email address. Superscripts a, b, c can be used to indicate authors affiliations.
- 2. Key words: Provide 4-5 key words that represent the subject of the paper.
- 3. Summary: Should represent the essence of the work and should be limited to 150 words. Provide summary in both Albanian and English.
- 4. Introduction: Describe your work, related research, its importance, and clearly state the objective of the study.
- 5. Material and methods: Provide details on the materials being used and experimental procedures. Provide sufficient details to allow work to be reproducible.
- 6. Result and discussions: Results should be clear and illustrated in tables and graphs. Use statistical analysis and draw conclusions based on statistical significance. Discuss in details the implication of the results. Conclusions should be directly related to the results obtained. Conclusions should not be speculative, spontaneous, or/and summarizing the already available information.

- 7. Bibliography: List literature sources in order of reference in the text. Every literature source must be cited in the text by the related number. A limit of 20 literature sources can be provided. A citation 'in press' implies that the reference is accepted for publication. Unaccepted manuscripts cannot be referenced. Do not use references from the internet except for the online publications.
- 8. Tables: Should be embedded in the text. Tables should be numbered and titled. Limit the number of tables to five.
- 9. Figures and graphs: Should be embedded in the text. Altogether provide no more than five figures and graphs.

Authors submitting social sciences contributions may disregard sections 5 and 6 when preparing their manuscripts. Manuscripts that do not conform to the above format will not be considered for publication.

## **SUBMISSION**

Manuscripts are electronically submitted through the ALPA system. Instruction for use of the ALPA system is found at the address above as well as at, www.alb-shkenca.org

Submit the manuscript within the deadline announced by the editorial board. Contacting author is also required to provide information for any financial support used to conduct the research.

Submitted manuscripts will be double-blinded reviewed by at least two experts of the subject area. Editorial board will make the decision on the acceptance of the manuscript based on the recommendations from the reviewers and notify this decision to the authors. Authors should be notified on the status of the manuscript within a 3-4 months period. The entire process will be electronically documented.

## SAMPLE MANUSCRIPT

## **TITLE** (English and Albanian, capital letters, bold, Calibri 12 pt.)

AUTHORS NAMES (capital letters, Calibri 10 pt.)
Affiliations, address, email (normal sentence, Calibri, 10 pt.)

#### **PËRMBLEDHJE**

(shqip, teks normal, Calibri, 9 pt., paraqitur ne nje paragraf, nuk duhet te jkete kryeradhe, jo me shume se 150 fjale ) **Fjalët çelës**: (shqip, tekst normal, Calibri, 9 pt., )

## **SUMMARY**

(English, normal sentence, Calibri, 9 pt., one paragraph, no more than 150 words)) **Key words**: (English normal sentence, Calibri, 9 pt.)

## INTRODUCTION

(Two columns, distance between columns, 7.62 mm (0.3 inch), Calibri, 10 pt.)

## **MATERIAL AND METHODS**

(Two columns, distance between columns, 7.62 mm (0.3 inch), Calibri, 10 pt.)

## **RESULTS AND DISCUSSIONS**

(Two columns, distance between columns, 7.62 mm (0.3 inch), Calibri, 10 pt.)

## Table 1.

(Embedded in the appropriate place in text, Calibri 10pt.)

## Figure 1.

(Embedded in the appropriate place in text, Calibri 10pt.)

Use Microsoft equation for formulas and mathematical equations, Calibri 10 pt.

## **CONCLUSIONS**

(Two columns, distance between columns, 7.62 mm (0.3 inch), Calibri, 10 pt.)

## **LITERATURE**

(Two columns, distance between columns, 7.62 mm (0.3 inch), Calibri, 10 pt.)

## Examples of references:

- 1. Libby WF, Anderson EC, Arnold JR (1949), Age determination by radiocarbon content. Science 109, 227-228.
- 2. Strunk W, White EB (1979), The elements of style, third ed. Macmillian, New York;