



Volume (3) . №(1) June, 2021.

Academy Journal for Basic and Applied Sciences (AJBAS)

*Periodical Electronic Scientific Journal issued by Scientific Research Affairs of
Libya Academy*

General Supervisor Prof. Mustafa E. Jarnaz

Editor-in-Chief

Prof. Abdalla Idris Fadel

Editorial Board

Prof. Ramadan Elhadi Almadani

Dr. Salah Al-Hangary

Technical Board

Site and internet management

Prof. Fathi Assaleh

All copyrights reserved to Dar Alacademia Publisher, Tripoli, Libya. No part of this publication may be reproduced, stored in a retrieval form, or transmitted in any other form without prior permission of the copyright owner.

All correspondences should be addressed to:

Editor in chief of Journal of Academy for Basic and Applied Sciences.

Libyan Academy, P.O. Box 72331, Tripoli, Libya.

Tele: +218 928013352 and +218913750207

Email: abdalla.fadel@academy.edu.ly

ULR: <http://www.academy.edu.ly>

Aims of the Journal

This journal aims to provide a reliable source of information on current research and development in the fields of basic and applied sciences, on the national and international levels, as well as exchange of ideas and information for experts in these fields. Moreover, it will provide an opportunity for researchers to publish their works.

Editorial Board Looks forewords to develop the journal and to promote it to be at the level of international scientific journals, and expand their reach circle to allow the largest possible number of interested to follow it by publishing all its issues through the internet web site.

Call for Papers

The Editorial Committee invites teaching staff members, postgraduate students, engineers, researchers and all those concerned with basic and applied sciences, and technology fields to submit their research work to be published in the journal. The journal publishes scientific papers (basic and applied research, review papers) technical reports, technical notes and book reviews in the mentioned fields.

Terms of Publication in the Journal

1. The papers and reports should be an original work and not considered for publication elsewhere. Papers published in conferences may be considered for publication in the journal after they go through the evaluation process and if they do not conflict with the copyright of the conference proceedings.
2. All papers and reports are subject to evaluation and may not be published unless all the required corrections are met and the author's guide for publication is followed.
3. The accepted papers could be written in Arabic (with English abstract), or in English (with Arabic abstract).
4. After acceptance of the paper or report for publication in the journal, it should not be considered for publication in another journal and the author should sign a copyright agreement with the editorial board of the journal.
5. Authors should include the full title of the paper, the author's full name, Author's affiliation and address, e-mail address.
6. Papers not written according to the stated instructions will not be considered for refereeing.

Typing Instruction

In spite that an electronic paper template is available, Authors are kindly requested to abide by the following instructions:

1. Manuscripts should not exceed 15 (A4) pages including figures and tables, produced using Microsoft word, with Times New Roman font 12pt single space typewritten. The page setup left and right margins of 13.5 mm and top margin of 25.4 mm and bottom margin of 21.8 mm.
2. The original and two copies should be submitted, and on a CD disc. The file on the disc should exactly correspond to the hard copies.
3. Authors have to the following format:
 - a. *Title page*, headed by a concise but informative full title font size 14pt bold, name(s) font size 12pt bold, and address of the place where the work was carried out font size of 11pt normal all titles with font size of 12 pt. bold.
 - b. *Abstract*, containing brief but informative details of the contents and conclusions of the paper and should not exceed 200words, size 12 pt.
 - c. *Introduction*, stating the reasons for carrying out the work, size of 12 pt.
 - d. *Materials and Methods*, containing sufficient experimental details so that methods can be reproduced by researchers (in experimental papers), size 12 pt.
 - e. *Results* should be described as concise as possible, size of 12 pt.
 - f. *Discussion* should not recapitulate results in detail or contain new information but should emphasize the relevance and significance of the findings reported, size of 12 pt.
 - g. *Conclusion*, size of 12pt.
 - h. *Acknowledgement*, size of 12pt.
 - i. *References* should be cited in the text a number in square brackets []. All references should be included at the end of the manuscript successively with size of 8pt. Correct references are the responsibility of the author.

Notes

1. the Journal has the right to publish these researches and makes use of them in scientific fields without referring to their owners, provided always referring to the owners of these studies/research according to generally accepted rules.
2. Manuscripts submitted for publication does not respond to their owners, whether published or not, the applicant is not entitled to claim them.
3. Editors of the journal reserve the right to make editorial changes in any manuscript accepted for publication for the sake of style or clarity. Authors will be consulted only if the changes are substantial.
4. Author/s must pay all the expenses incurred in the review process if s/he decides to withdraw his/her research paper whilst it is undergoing review.

Contents

English Part

| Research Title | Authors |
|--|---|
| 1. A Note on Triple Natural transform and its application to some kind of Volterra integro-differential equations | Maryam Omran and Mariam M. Abuage |
| 2. Assessment knowledge of food-drug interaction of academicians population: Staff members, Students, and teaching assistants. | Obaid A. Alwan , Ahmaed A. Ashour, Marwan M. M. Almisawi, Wafa M. Ateyyah, Maryam A. Alotairy and Haneen A. Alkamel |
| 3. CT Patient Radiation Dose Reduction and Verification Using Single-Unit Imaging Techniques and OSL Technology | Eng. Khadija.M.abdulsalam Eng. Fadil.N. Grib |
| 4. Curie Temperature and Vibrating String | Mohamed S.Ellid, Ahmed S. Aweteal and Ali M. Hawij |
| 5. Effect of Isothermal Heat Treatment Temperature and Time on Microstructure and Mechanical Properties of Titanium Free Medium Carbon Micro Alloyed Steel | Abdulnaser H. Fadel, Nenad A. Radovic and Dragomir Glišić |
| 6. Green Synthesis of Gold Nanoparticles from Extract of Origanum | Fatema. H. Almajdoub |
| 7. Hepatoprotective Effect of Vitamin K2 on Cyclophosphamide-induced Liver Toxicity in Male Mice | Nusieba A. Mohammed Ibrahim, Yahya Saber E. Mansour, Hayder S. Ali Hussein and Marwa M. Mohammed Bader |
| 8. Patient Experience in the Emergency Department of Benghazi Medical Center | Sofinag Khaled Mabruk, Zainab S.Alobidi, Marwa H.Blaiblow and Hajer E.Eloshaibi |
| 9. Pharmacotherapy overlaps on a physiotherapy protocol for management-frozen shoulder. 10. A survey among physiotherapists in Tripoli hospitals. | Ahlam Hassan Elkhushaibi, Khiria A Krnafa, Aya M Buok and Aya A. Oun |
| 11. Radiation dose from panoramic imaging at different dentistry clinics in Tripoli region | R. AL. Ben Salama and M.Amer |

| | |
|--|--|
| 12. Relationship Between Lower Third Molar and Anterior Dental Crowding | Tarek Dokhan, Mawada Jaddor and Fatima Shakuna |
| 13. Re planning Consideration of Az-zawia (30 kV) Electric network and Redesign | Marwan Khalifa Ahmad, Prof. Abdalla Idris Fadal, Osama Mohammed Abdulrhman |
| 14. Reproductive and Histological Toxicity of Transdermal Exposure to Aluminum Chloride in Male Mice | Sassia Regeai, Salma Abusrer, Habiba El Jaafari, Zainab El Mabrouk and Naema Shibani |
| 15. Car Road Accident “Traffic in Libya” | Bashir A Y Tantosh |
| 16. The effectiveness of some plant powders on the egg lying and development of the cowpea beetle <i>Callosobruchus maculatus</i> (Fab.) (Coleoptera: Chrysomelidae) in stored chickpeas | Nagat Ali Abuelnoor |