



جامعة ظفار

Dhofar University

vision for the future

2020-21

**Dhofar
University
Annual Research
Report**

ENGAGEMENT >>>> **INNOVATION** >>>> **IMPACT**



**H.M.Sultan
Haitham Bin Tariq**



**H.M.Sultan
Qaboos Bin Saeed(Late)**

DU RESEARCH AT A GLANCE

1,790 +

Publications

240 +

Publications/Year

1,056 +

Scopus Publications

730 +

Web of Science
Publications

630 +

Conference Papers

540 +

Incentives for publications

2

Best FURAP Awards by TRC
(MOHERI)

3

National Research
Awards by TRC (MOHERI)

58 +

National & International Faculty
Research awards & Honors

22 +

National & International
Student Research Awards &
Honors

1

International Patent
awarded

55

TRC Funded Projects

3 +

Paid Consultancies

50 +

Unpaid consultancies each
year

11

DU Funded Grants

2

International & National
Patents applications
submitted

Ranked 1st

Private University and
overall second by
Webometrics

Ranked 1st

Private HEI in Oman and
16th in Arab world for
Publishing Papers by QS

Ranked 1st

Private HEI in Oman and
55th in Arab world for
International Research
Network by QS

2 %

World Top Influential
Scholars. Faculty listed in
Stanford List of the world
top scholars.

Collaborations



This map visualizes which other institutions researchers from **Dhofar University** have collaborated with.

FOREWORD BY VICE CHANCELLOR

It gives me immense pleasure to present the Annual Research Report of Dhofar University (DU) for the academic year 2020-21 that reflects the research activities, efforts and achievements of its Faculty, students and the Research centre. Although adversely impacted by Covid-19 pandemic, international and national economic slowdown and new emergent challenges the Research@DU during the past academic year showed significant and exceptional progress. It is evident from its ResearchGate score that is instrumental in DU maintaining its position as 2nd best in Research among all private Universities in Oman. Also, as per Webometrics World University Ranking reports, DU has been ranked as second best university in Oman based on research excellence (top cited papers), transparency (top cited researchers), web visibility and presence in both January and July 2021 editions where DU jumped from 3855 world rank in January 2021 to 3385 in July 2021.

Furthermore, in QS 2021 Arab world ranking, DU has been awarded "High" status in research output with being ranked first among all private Universities in Oman and 16th in Arab world for publishing highest no. of papers per faculty and ranked first among private institutions in Oman and 55th in Arab world for having greatest international research network.

Another notable achievement during the AY 2020-21 was DU being the first University in Oman to be rated as 5-star by QS. Moreover, our faculty have been ranked among top 2% scientists in the world by Stanford and by AD Index. This advancement indicates the consistent productivity in Research.

All efforts were made to encourage research among our faculty members and students to create a conducive environment for credible research based on DU's Strategic Plan where we aim to promote research aligned with the National Research Strategy and the National Research vision 2040. This is evident from the increased number of publications, more research incentives and internal grants to support quality research and higher grants from MoHERI for faculty and students.

This continued success is all due to the support, hard work and commitment of our management, faculty and students. I hope all these achievements will open doors to more achievements in the next Academic year.

Kind Regards,

Prof. Hassan Kashoob



FOREWORD BY DEPUTY VICE CHANCELLOR

Impactful research has been the driving force of Dhofar University endeavor to ensure high quality and credible research by its faculty members. DU encourages its faculty to undertake research which is not only useful for the region but has an impact for the nation and the Dhofar region.

The department of research foster and encourages faculty and students to take up research projects both funded by the TRC as well as by DU itself. Various incentives schemes are available to support the research initiative of the stakeholders. Faculty is encouraged to undertake research projects with other researchers from reputable universities and organizations. DU faculty has in the past years continuously published research articles in Scopus and web of science journal with impact factors.

During the AY 2020-21 DU faculty members published 96 Scopus papers, and more than 100 papers in WOS with impact factor, 60 papers in Peer reviewed journals totaling more than 250 research papers at an average of 2.1 research paper per faculty members. Citations too increased to around 7.8 per faculty member during the academic year.

Faculty and students bagged 32 research projects grant from MOHERI totaling OMR 234,495. DU faculty members featured in the Top 2% scientist list as well as the AD scientific index and two faculty members won the national research award sponsored by TRC.

The pandemic made it impossible to travel physically to attend conferences and workshops but still faculty managed to attend 102 online conferences and participated in online talks related to research. Many DU faculty are on the editorial board of reputable journals and are reviewers too.

DU shall continue its journey in pursuing the goal of credible research with an impact for the region and in next year will work on strengthening the research reputation of the university. We also envisage opening of new research units and centre for research in colleges with special funding and incentives. I am sure that DU shall very soon be one of the leading university recognized for its research credential.



Dr. Syed Ahsan Jamil
Acting deputy Vice Chancellor

LEGEND

AY	Academic Year
CAAS	College of Arts and Applied Sciences
CCBA	College of Commerce and Business Administration
CE	College of Engineering
CG	Conference Grant
DR	Department of Research
DU	Dhofar University
DURG	Dhofar University Research Grant
DVC	Deputy Vice Chancellor
IBB	Incentive for Book & Book Chapter
IC	Incentive Claim
IPP	Incentive for Publishing Paper
IT	Information Technology
OAAA	Oman Academic Accreditation Authority
ORG	Open Research Grant
QA	Quality Assurance
QS	Quacquarelli Symonds
Ques.	Questionnaire
RCOL	Research Collaboration
RL	Research leave
R.O	Rial Omani
RPI	Research Publication Incentive
SG	Seed Grant
STFDG	Short Term Faculty Development Grant
TRC	The Research Council
URC	University Research Chair
VC	Vice Chancellor

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INTRODUCTION

Research is an integral part of any academician's career growth and one has to make continuous endeavour to 'create knowledge' i.e. to do research. The faculty is expected to make such endeavours to keep a balance between teaching and the research.

Dhofar University was established in 2004 and since then it is serving the community through exemplary education, research and community outreach. DU recognizes research as one of the main pillars of academic excellence as explicitly mentioned in its mission statement. All efforts are being made to encourage research among its faculty members and to create a conducive environment for credible research. The results are commendable as DU is the first University in Oman to be accredited nationally by OAAA, internationally by ASIC, rated five-star by QS and ranked 121 by QS Arab World Ranking. Our researchers have been ranked among world top 2% scientists by Stanford and by AD Scientific Index. DU is currently ranked 2nd in Research among all private Universities in Oman based on its ResearchGate(RG) score. Moreover, DU is recently ranked 1st Private University and second overall in Oman by Webometrics World Ranking of Universities.

DU have on its account more than 1700 publications in recognized journals indexed in prestigious databases. Additionally, DU has successfully secured funds for 55 Research grants from The Research Council, Muscat (now MOHERI). In past five years our faculty have won 58 research awards at different levels including the National Research Award by TRC won thrice. Our students are not less by winning 22 different research awards including the best FURAP award by MoHERI twice. Moreover, the University's well established Research centre has been actively involved in innovative research. Hence, since its inception, the unit has conducted research on more than 10 major research projects that resulted in over 40 publications, one international patent granted from South African Patent Registration Agency and filing of one national and two more international patent applications.

During the last academic year, despite the surge of global pandemic that affected everyone economically and emotionally, DU encouraged its faculty and students to undertake quality research, provided them with necessary facilities and financial support and also acknowledged their research excellence through various rewards and incentives.

OVERVIEW

The Twelfth Annual Research Report presents the 'Research output' of faculty members, students and the Research centre for the AY 2020-21. Please note that:

- In the Publications' list, DU faculty members are indicated with bold letters.
- Only published or presented papers are listed. Manuscripts accepted but not yet published shall appear in the next annual research report.

DU RESEARCH STRATEGY

To achieve its mission to create a hub of research activity beneficial to the region, the University has established a Department of Research (DR) that works on three principles i.e. **engagement, innovation and impact.**

DR is supported by Research committees at University and College level along with the Research focal point for managing internal and external grants. DU has also setup a Research centre in 2015 that focuses on niche areas of Research of regional importance, dealt with in different Research units and develop strategically important local and national topics.

DU has designed its Research strategy based on Oman's National research strategy, Oman vision 2040 and UN's sustainable development goals.

DU Research Mission, Vision, Pillars and Goals

Research Vision

"Dhofar University aims to occupy a distinct position in research among the leading higher education institutions"

Research Mission

"Dhofar University aspires to achieve research excellence and engage in impactful research in an inspiring environment conducive to research and innovation"

Research Pillars

Our research pillars are:

- Capacity building & Excellence
- Research Teaching Nexus-Academic programs based on research
- Research Ethics
- Research Impact
- Research reputation

Research Goals

The key objectives of DR are to:

- Continue to strengthen supportive environment for research
- Enhance collaborative research with other HEIs, industry and government agencies
- Encourage multidisciplinary research within and outside university
- Strengthen research-teaching nexus to enhance students' learning experience
- Uphold ethical standards in research
- Foster innovative research with national and regional impact
- Promote a culture of providing consultancy services



Ref: <https://sdgs.un.org/goals>

"Let's come together in Nation's vision of moving forward with confidence!!!"

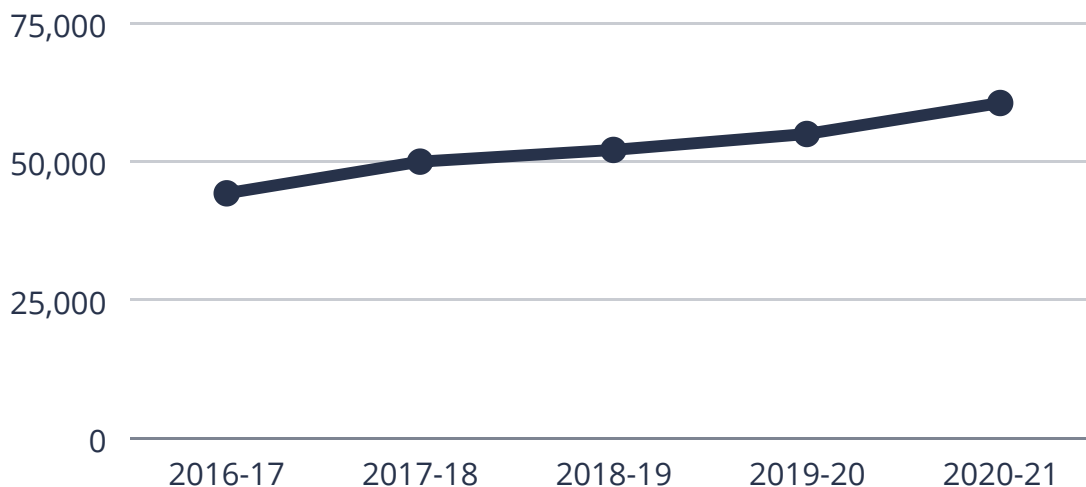
KEY ACTIVITIES

CREATING AN ENVIRONMENT CONDUCIVE FOR QUALITY RESEARCH

THE YEAR OF 2020-21

The Department of Research(DR) worked tirelessly to provide maximum support to its faculty and students by upgrading its research resources, refurbishing its research policies considering the COVID-19 pandemic and instructions from the national Committee for combating CORONA and by providing more incentives to its researchers to publish quality papers in Scopus, Web of Science and DU list of approved Arabic Journals.

Having the budget of 62,000 R.O., the key activities of DR during the AY 2020-21 includes strengthening environment for Research activities and creating the environment conducive for quality research, providing support for external and internal grants to faculty, staff and students, updating and polishing the research policy as per recommendations of research committees and the University Council, facilitating faculty and students during re-submission of the national patent modification application, supporting colleges in organizing national & international conferences, renewing Turnitin subscription to facilitate the implementation of University's academic integrity policy, renewing EJAAD membership and providing support for evaluation of external/internal questionnaire and necessary approvals and updating university's website for easy navigation of end-user.



Research Budget Utilization

62,000

Rial Omani Research Budget

~1620

ResearchGate Score

#1

Ranked First Private HEI in Oman by Webometrics

17

researchers ranked by AD Scientific Index

2%

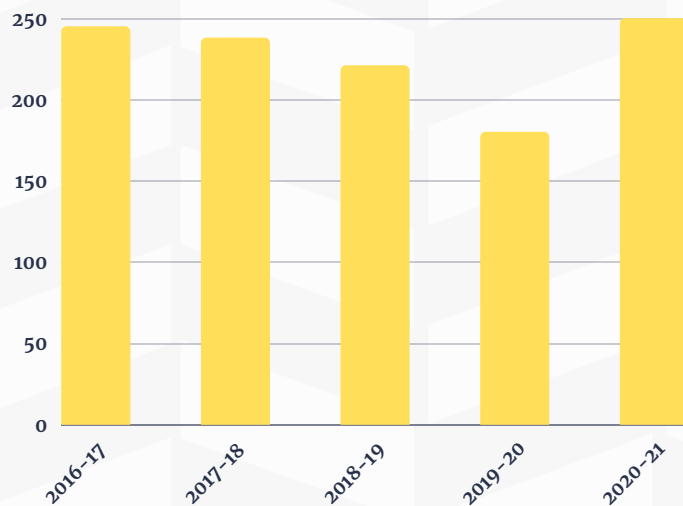
Scientists ranked among top 2% scientists by Stanford

PUBLICATIONS

PAVING WAY TOWARDS IMPACTFUL RESEARCH

PUBLICATIONS IN PAST FIVE YEARS

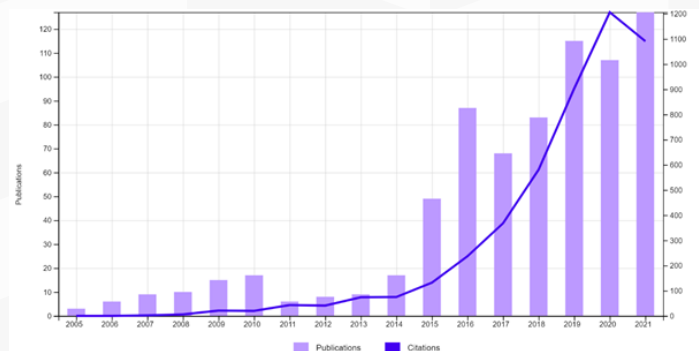
Over the past five years the research policies were strengthened to improve the quality and impact of research by encouraging faculty members and students to publish in high quality journals. The result was commendable as the number of papers published in Web of Science and Scopus indexed journals increased two-folds as compared to previous years. The research publications by DU faculty rose from 51 in 2010-2012 to over 200 in past five years, where total number of publications since past five years is 880, whereas, the students are publishing on an average >20 research papers during each academic year that were almost null 5 years ago. On an average, DU has a publication rate of 5 papers/faculty. QS in Arab world Ranking for 2021 has ranked DU as first private HEI in Oman and 16th in Arab world for publishing highest number of paper per faculty.



Research Publications During Past Five Years

PUBLICATIONS IN WEB OF SCIENCE

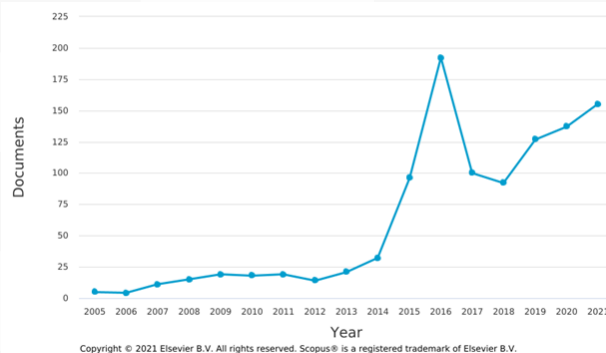
Despite being a relatively young institution, as a result of its research policies and guidelines, the publications across different disciplines in Web of science rose from 5 in 2005 to 108 in 2019 and 127 until August 2021; making the total of 736 publications with an average of 5 citations/document and 33 h-index. None the less, it is worth mentioning that DU is ranked first among private institutions and Second among all HEIs in Oman by Publons (web of science reviewer database)



Publications & Citations in Web of Science
(Source: Clarivate)

PUBLICATIONS IN SCOPUS

The publications in Scopus rose from 5 in 2005 to 192 in 2016 and 155 until August 2021, where the total number of publications in Scopus from 2015-August 2021 are 1054 with an average of 5 citations/document and 34 h-index.



Publication in Scopus (Source: Elsevier)

~250

1054

6495

34

Publications in Web of Science, Scopus, Peer Reviewed Journals & DU list of Approved Arabic Journals

Scopus Publications
736
Web of Science Publications

Citations in Scopus
4732
Citations in WoS

Scopus H-index
33
WoS H-index

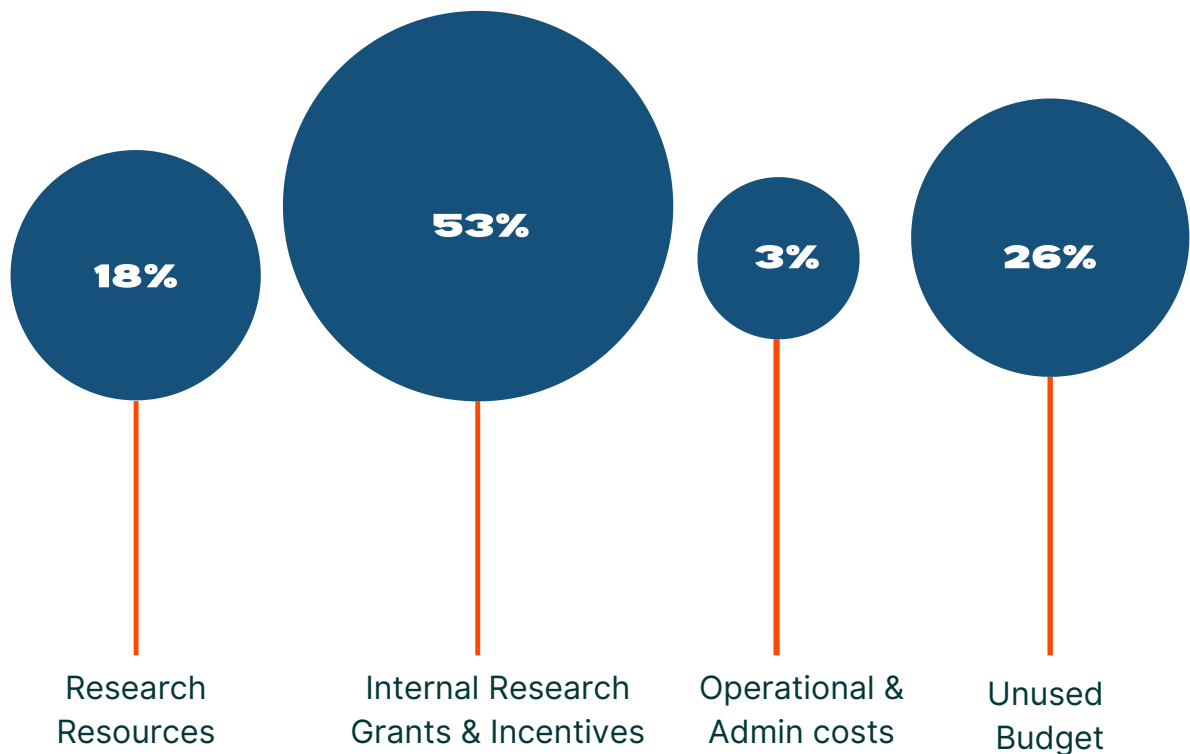
DU INTERNAL GRANTS & INCENTIVES

DU supports research activities through the following funding schemes:

- Conference Grant (CG): For attending physical and online national and international conferences
- Dhofar University Research Grant (DURG): Grant for supporting innovative research ideas and projects of importance to DU
- Research Publication Incentives (RPI): DU with an intention to support high quality publications, patents, consultancy activities and for approved course packs grant incentives to the academic staff

During the AY 2020-21, as the world was still struggling to combat corona, DU introduced Online Conference Grants to facilitate its faculty members to attend prestigious international conferences. Also, more incentives were added in the form of DU Course pack Incentives. Moreover, the incentives were increased from 200 R.O. to 300 R.O. Considering the National Research strategy, DU introduced Dhofar University Internal research Grant to support innovative ideas and projects of importance to DU. Thus, by consuming a total budget of 32,569 R.O., DU awarded 5 conference grants, 5 Internal Research grants, and 108 Incentives for publishing in recognized journals.

BUDGET BREAKDOWN IN 2020-21



A SNAPSHOT OF FUNDED ACTIVITIES

5

DU Funded Research Grants

108

Research Incentives

3

Conference organizing Grants

5

Conference Attendance Grants

DU Internal Research Grants- CAAS

“Investigating the application and achievement of critical thinking skills in the academic programs of study at DU”

Principal investigator: Dr. Khalid Mashaikhi

Designation: Dean, CAAS

Critical Thinking (CT) skills are seen to be important skills that are transferrable beyond the classrooms into various industries and vocations ranging from teaching, banking, hospitality, nursing, medicine, engineering, corporate sectors, etc. and also in mid-level to high level management in the public as well as private sector. Educationists consider CT Skills as the most essential skills in the classrooms across all levels. However, the extent to which it is actually being included, taught and evaluated in Omani schools as well as in Higher Educational Institutions (HEIs) remains largely unexplored. This study, driven by its need and high importance, will note responses of all concerned stakeholders such as students, teachers, management personnel and examine their evaluation of CT skills component. The study will also investigate course syllabi, exam results, classroom observation results and evaluate the CT skills sections in them. It will also investigate whatever gaps there may exist between the professing of these declared aims and objectives and their implementation in the course syllabi, classrooms and assessments in order to be able to recommend further scope, strategies, plans, and effective instructional methods to better facilitate the inclusion and implementation of CT skills in DU classrooms.

“The role of University Social Clubs in Academic Development in Higher Education- A Case of Dhofar University”

Principal investigator: Dr. Reem Adedulmotaleb Abuiyada

Designation: Assistant Professor

Department: Social Sciences

University Clubs and organizations are important part of university life and they are potentially help students develop their professional and social development. Students follow different paths of career after graduating from Higher Education and it is, therefore, necessary to guide them through their learning process towards their professional development. The researchers for this proposed study plan to explore learning strategies within four colleges of Dhofar University Clubs incorporating Communities of Practice with undergraduates of social work majors. study will assess the effectiveness of DU social clubs learning activities from the students' perspective in Higher education. It also will explain what constitute the social 'club', examines the social learning theory of Communities of Practice (Wenger, 1998; Lave and Wenger, 1991) and its critique.

“IoT based expert system for Diabetes Diagnosis and Insulin Dosage Calculation”

Principal investigator: Dr. Gowhar Ahmad Naikoo

Designation: Assistant Professor

Department: Mathematics and Sciences

In this project, we are adopting a facial hydrothermal method for the synthesis of MoS₂ based nanostructures for the photochemical generation of H₂ gas by splitting seawater. The efficiency, selectivity and stability of MoS₂ nanostructures for the photochemical generation of H₂ gas will be enhanced by decoration of MoS₂ by various metal nanoparticles such as Zn, Cd, Cu, Fe, Mn, Co, Ag, and Ti. The synthesized catalysts will be characterized by various techniques such as P-XRD, FESEM, TEM, EDS. The generation of H₂ gas will be carried out photochemically using solar energy/UV lamp sources. Gas Chromatography (GC) will be used for the assessment of degree of generation of H₂ gas from seawater. We reckon that with the successful completion of this project, it may act as a game changer for clean energy production and will open a room for cooperation with Oman Hydrogen Centre (OHC).

DU Internal Research Grants- CCBA & CE

“Establishment of Case Study Unit in College of Commerce and Business Administration”



Principal investigator: Dr. Rabia Imran
Designation: Associate Professor
Department: Department of Management
College: College of Commerce and Business Administration (CCBA)

The aim of establishing a case study unit at college of commerce and business administration (CCBA) is to focus on the practical problems of the industry. It is expected to result in development of a designated case study unit equipped with basic facilities to develop case studies. Moreover, a linkage between industry and CCBA is expected to develop for collaborative research and problem solving.

“Photochemical generation of Hydrogen gas from Sea water using MoS₂ Decorated Nano catalyst”



Principal investigator: Dr. Prajoona Valsalan
Designation: Assistant Professor
Department: Electrical and Computer Engineering
College: College of Engineering

In this proposed system, an expert system is developed to enable RPM for patients with diabetes. The developed expert system can be subdivided into two subsystems: The first subsystem is meant for data acquisition purposes. The patient is equipped with wearable sensors for the acquisition of vitals. These sensors are connected to his Smartphone via Bluetooth. The Smartphone has an app that takes these readings from the sensors and patient data and sends them over the internet to the cloud. When the data is stored in the cloud, the second subsystem is used to diagnose and treat diabetes. This is a multi-stage system. In the first stage, a logic-based program classifies the patient as diabetic and non-diabetic. In the second stage, a logic-based program prescribes an insulin intake for the diabetic patient. The outcomes of the program will be apparent to the patient as well as the healthcare practitioner. And health care practitioners can also add their recommendations to the top prescription generated by the system. The major contribution of the work can be summarized as follows:

- 1) System architecture for RPM is designed and developed for regular monitoring of diabetic patients.
- 2) The proposed system outcome is accessible to physicians and patients anywhere, at any time.
- 3) The proposed system performs diabetic diagnostics as well as the prescribing insulin dosage intake for diabetics using a logic program.



MOHERI FUNDED RESEARCH GRANTS



DU Faculty and students worked hard and submitted 45 research proposals for funding under Block Funding Program Call 2020 by MoHERI in AY 2019-20. This includes 35 Faculty research grant and 10 under Undergraduate Research Grant. After the stringent evaluation process, 19 applications for faculty research grant while 6 for Undergraduate students were submitted for final evaluation and approval. During AY 2020-21, MoHERI approved all student proposals for funding along with 5 proposals by faculty members in November, 2020 worth 81,570 R.O. Further the Ministry provided ~6000 R.O. to the research admin for supporting research activities and promoting research culture at the University.

Moreover, in response to the Call 2021, DU faculty and students submitted 34 research proposals where 14 proposals for faculty research grant, 2 for graduate research grant and 5 for undergraduate research grant passed the evaluation stages and were submitted to MoHERI for funding where the total amount requested is 214,100 R.O.

26

RESEARCH PROJECTS

Includes ongoing projects from Call 2018, 2019, COVID-19 Funded project, Culture & Heritage funded project and newly approved projects from Call 2020.

88

RESEARCHERS

involved in funded projects

204,645 R.O.

TOTAL FUNDED AMOUNT

For ongoing projects from Call 2018, 2019 and Call 2020 during AY 2020-21



Call 2020 Research Grant Projects- Funded by MoHERI



Anti Cancer Activity of Dhofar Medicinal Plants

PI: Prof. Luay Rashan
Frankincense, Biodiversity & Medicinal Plants Unit
DU Research Centre

Emerging incidence of cancer is an alarming and challenging factor for revolutionized modern medicine. In spite of significant advances in modern medicine, appropriate treatment strategy for cancer is still nascent. It is evident from recent reports Oman is reported to have significant number of cancer patients (Shiyam Kumar et al. 2011). Currently the oncologists heavily rely on chemo therapy to arrest growth of tumor tissue/cells in spite of their detrimental acute and chronic adverse effects. Numerous synthetic and natural product based drugs are already in clinical trials for cancer treatment but their adverse side effects remains un-resolvable. In this scenario, still natural product based drugs are attracting much more attention of clinical oncologists as they are much safer compared to synthetic chemicals and most likely to be approved as a new drug by the Food and Drug Administration (FDA) (Hassan Azaizeh et al. 2010). In this proposal we are interested to study the anticancer activity of medicinal plants which are endemic in Dhofar region, Salalah, Oman. Dhofar region is enriched with diversity of medicinal plants which high medicinal value. Use of Dhofar medicinal plants to treat various ailments is common practice among local people. But so far there is no concrete scientific evidences are available to prove this hypothesis. To address this issue we plan to collect several medicinal plants around the vicinity of Dhofar region and to study their anti cancer activity both in vitro and in vivo.



Development of bacterial cellulose composite films for practical applications in wound healing and pollutant degradation

PI: Dr. Mazhar Ul Islam
Department of Chemical Engineering
College of Engineering

Recycling and conversion of food and other industrial wastes to important bio-products have been deeply investigated since few decades. Such projects result in conservation of natural reserves thus strengthening the economy besides overwhelming the environmental issues associated with waste disposal. In this regard our research group received substantial success in developing an important biopolymer "bacterial cellulose" (BC) from wastes of fruits, vegetables, expired juices, and cheap raw materials of Oman. BC represents excellent physico-mechanical features that enabled it for multiple applications specifically in medical, environmental, textile, food and electronic fields. Regardless of its diverse applications, as matter of fact pure BC is associated with certain limitation including non-bactericidal nature, low biocompatibility, no conductivity and transparency. Such features can be incorporated in BC by developing its composites with polymers, nanomaterials and natural products. This project is basically aimed to develop BC composites with various additives to augment BC with bactericidal and biocompatible features that enhance its applications in medical and environmental fields. We shall develop different approaches to synthesize large scale BC from waste materials and develop its composites with polymers, natural products, and nanomaterials through in-situ and ex-situ composite synthesis strategies. The morphology, physicochemical properties and biological features of BC and its composites will be thoroughly evaluated. We will analyse the bactericidal features against model microbial species and its biocompatibility against animal and human fibroblast cells. Furthermore, we will evaluate its wound healing and tissue regeneration capabilities in pre-clinical trials. Finally, we will develop various medical and industrial products including facial masks, wound dressing antimicrobial filter system and pollutant degradation catalysts from bio-cellulose

Call 2020 **Research Grant Projects- Funded by MoHERI**

Novel poly(m-aminophenol)/metal nanoparticles hybrid material based bio-sensor for health care applications and food quality assessment



PI: Dr. Mohammad Wasi Ahmad
Department of Chemical Engineering
College of Engineering

Nowadays, advances in the medical/diagnostic test market and escalating use of biosensors in large-scale industrial, food, agriculture and environmental applications are the major driving force for increasing market values of biosensors. The development of conducting polymers-based nanohybrid materials for the highly sensitive detection of biological molecules has drawn huge attention because of their excellent electrical and chemical properties. Incorporation of noble metal nanoparticles (MNPs) such as Ag, Au, and Cu nanoparticles into conducting polymers have become a reliable approach to synthesis nanohybrid materials for biosensor applications. A new challenge of this area is the development of a potential sensor electrode having a good charge transferability and a wide spectrum of biological activity by adopting easy experimental techniques and designed to manipulate composition. The metal nanoparticles with good electrical conductivity, large specific surface area, and strong absorbability can play a potential role in order to improve the absorbability of biomolecules and maintain their bioactivity of hybrid sensor materials. In addition, the polar-group substitute conducting polymer differs appreciably from the parent polymer both with respect to the solution processability and immobilization of biological substances. Therefore, poly(m-aminophenol) could be better choice for biosensor application as it could provide a better solution processability and excellent sorptive properties for biological molecules through possible polar/covalent interactions between them. The inclusion of surface-functionalized metal nanoparticles into polymer matrix could be another most effective strategy to achieve superior sensing properties of the nanohybrid sensor, because the surface functionalization of MNPs would improve the stability, bio-compatibility, functionality, specific-recognition, and selectivity of the nanohybrids in physiological environments.

Integrated Livestock Farming Approach and Socio-Economic Development of Sultanate of Oman



PI: Dr. Nadia Sha
Department of Finance & Economics
College of Commerce & Business Administration

Integrated farming system is reported as a successful system in many countries, especially in some Asian countries. But there, the integrated farming system is mainly connected with agriculture, poultry, and fish farming system. In this system, farmers are directly linked with integrator, and integrator will provide everything to the farmers. To study the current scenario of Livestock farming in Sultanate of Oman. The present study is planning to study the cost benefit analysis of present farming system in Sultanate of Oman and to analyse the socio-economic problem faced by the livestock Farmers in Sultanate of Oman. In addition, a feasibility analysis of Integrated Livestock Farming Approach will be conducted with respect to cost benefit analysis of present farming system and is planned to develop a strategic model for bringing Integrated Livestock Farming Approach in Sultanate of Oman. The study will be executed in Dhofar region as the livestock production is the highest among other governorates in Oman. Integrated Livestock Farming system will reduce the cost of production, eliminating the middle man and will increase the profit. In this context, the proposed project is suggesting to implement Integrated Livestock Farming Approach (ILFA) in Sultanate of Oman.

Call 2020 Research Grant Projects- Funded by MoHERI

Content evaluation of the Omani sciences textbooks of grades (1-8) in the light of TIMSS 2019 requirements



PI: Dr. Raed Abdelkarim
Department of Maths & Sciences
College of Arts & Applied Sciences

The current study aims to identify the science requirements of the Trends in International Mathematics and Science Study (TIMSS 2019) and to determine the extent to which TIMSS 2019 science requirements have been included in the science textbooks for the grades (1-8) in Oman. TIMSS 2019 requirements are organized around two dimensions. The first dimension is the Content dimension which includes Life Science, Physical Science, and Earth Science for grades (1-4) and includes Biology, Chemistry, Physics, and Earth Science for grades (5-8). The second dimension is the Cognitive dimension which includes Knowing, Applying, and Reasoning for all grades from (1-8). The analytical descriptive approach will be used to answer the questions of this study. The population of the study includes all the science textbooks for the grades (1-8) in Oman in the academic year 2019-2020. The study will use two instruments. The first one identifies the science requirements of TIMSS 2019 for grades (1-4) and the other one identifies the science requirements of TIMSS 2019 for grades (5-8). To confirm the validity, instruments will be reviewed by experts in Curricula and teaching methods and sciences' teachers and supervisors. Reliability will be measured by using inter-coder agreement (Holsti Method).

Call 2020 Undergraduate Research Grant Projects- Funded by MoHERI



Synthesis of Biodiesel from Fish Waste of Dhofar Region

Team Leader: Mr. Mohamed Said Tabouk
Faculty Mentor: Dr. Mohammad Wasi Ahmad
College of Engineering

Global warming is an increasingly concerning the issue which has emerged due to various factors, among which contaminant emission from fuels based on petroleum is the most prominent cause. In addition to this, due to overpopulation shortage of crude oil supply is arising. Biodiesel or green diesel can be defined as a fuel which is extracted either from vegetable oil or from the fat obtained through animals. It has been acknowledged worldwide as sustainable fuel as an alternative to mineral diesel. It can be used efficiently in its pure form or can be mixed with the fuel. Oman is a country with huge coastal stretch and the fisheries industry is among one of the most important production sectors in Oman's economy. It is one of the largest producers of fish amounting to total fish landing in the Sultanate at the figure of 553,000 tonnes at the end of 2018, according to the latest statistics from the Ministry of Agriculture and Fisheries (Oman Observer). Thus it generates a huge amount of fish waste which costs a substantial amount of revenue for its safe disposal. Thus, the utilization of the fish waste will not only account for the production of biodiesel but will also benefit in the reduction of bio-waste. This study is intended on the extraction of oil from the discarded fish waste and to convert it into biodiesel fuel via chemical reactions. This will help in reducing waste disposal-related environmental problems. Also, it will help in setting small scale industries that will provide jobs to the locals.



Blockchain Technology and Electronic Supply Chain Management (eSCM)

Team Leader: Ms. Fatima Al Marhoon

Faculty Mentor: Dr. Mansour Al Raja

College of Commerce & Business Administration

This project attempts to identify the critical factors that may limit companies in sultanate of Oman to develop its own electronic supply chain management and increasing the transparency among all the chains' members using blockchain technology. Therefore, the main objective is to study the readiness of Omani companies for digital transformation in of the important business process named supply chain using one of the most newly developed technology called blockchain.



The Impacts of Digital Economy on Monetary System of Oman: An Empirical Analysis

Team Leader: Ms. Amina Al Maashni

Faculty Mentor: Dr. Faris Al Shubairi

College of Commerce & Business Administration

This study aims to diagnose the effect of the digital economy represented by digital currencies on monetary policy in the Sultanate of Oman. The main contribution to this project is to shed light on the challenges of the digital economy in light of intense competition in the GCC region. This study will apply the methodology of Liu and Xu (2004); Zhou (2006) Jiang (2012) as quantitative models in analyzing the monetary velocity and digital money. When calculating M0, M1 and M2, the velocity of money in the Sultanate of Oman is calculated through V0, V1 and V2, which is estimated through the following formula GDP/Mt . To estimate and clarify how digital currencies change and affect the fiat currencies, independent variables selected based on previous studies will be applied: (1) cash ratio, (2) electronic currency level, (3) financial electronic level and (4) interest rate.

Detection of Heavy Metals in Milk of Camel from Various Areas of Dhofar Region Through Atomic Absorption Spectrophotometer



Team Leader: Ms. Fatima Mohammed Batmira

Faculty Mentor: Dr. Mohammad Wasi Ahmad

College of Engineering

Heavy metals ions such as zinc, lead, copper, arsenic, chromium, cadmium, iron, nickel and mercury are accumulated in the milk of grazing mammals. This milk containing these metals causes serious health issues upon consumption. This may lead to cancer, damaged nervous system or even. Camel milk has unique properties not only in terms of its composition but also its longer shelf life in comparison with other milk. It has lower fat content with extraordinary therapeutic potential. It is consumed by locals in many forms. Thus camel milk is an inevitable part of Oman's growing economy. Here we have designed a protocol to review the concentration of heavy metals in camel milk through Atomic Absorption spectroscopy. If the designed approach is successful enough, then it will prove to be a boon in the dairy industry of Oman. Since camel milk is locally consumed and exported in its various forms, its quality standards will affect the local health as well as globally.

Undergraduate Research Grant Projects-Funded by MoHERI

Ex-situ synthesis of bactericidal bacterial cellulose nanocomposites for potential wound healing applications



Team Leader: Ms. Muna Tabook
Faculty Mentor: Dr. Mazhar Ul Islam
College of Engineering

Bacterial cellulose (BC) a biopolymer produced by certain classes of acetic acid bacterial have received immense interest in last few decades owing to its purity and potential applications in multiple fields. Regardless of having same chemical structure, the purity, physical appearance, porous geometry, crystallinity, mechanical strength, water holding capacity, biocompatibility and biodegradability of BC are for more superior than plant cellulose. Besides all these impressive features, pure BC faces two major limitations including its production cost and non-bactericidal and conducting features etc. The lack of bactericidal properties restricts its applications in medical fields. In here, we are trying to produce BC from cheap sources and develop its composites with bactericidal silver and zinc oxide nanoparticles for practical applications in wound healing under infectious environment. The composites will be synthesized through ex-situ synthetic strategy and will be evaluated for structural, physical, mechanical and bactericidal properties. Hope the current project will grasp attention of researchers in Oman and rest of the world.



Recycling of Coconut Shell and Plastic Waste as Coarse Aggregates in Concrete Formation

Team Leader: Mr. Al Mutasam Abdollah Ali Ba Uwain
Faculty Mentor: Dr. Mohammad Wasi Ahmad
College of Engineering

Concrete is extensively used in construction as a base material in diverse varieties of structures. This is due to its sturdiness, which makes the use of concrete inevitable. Scientists around the globe have been conducting studies about the utilization of by-products such as natural waste and plastic to boost the efficacy of concrete. Plastic waste is an immense contributor to causing pollution along with the waste coconut shells which are abundantly present in Oman. As per the reports of the agricultural census of 2012-13, the annual production of coconuts in Salalah is about 7,000 tones, which leads to tones of coconut shells disposal adding to the waste material. As far as plastic waste is concerned, it contributes to about 21% of the municipal solid waste every day in Oman. One effective way to combat plastic waste is the utilization in the formation of concrete along with coconut shells. Thus the primary objective of this project is to evaluate the appropriateness of plastic waste and coconut shells instead of coarse aggregate in the formulation of concrete. The optimal percentage of the quantity of coconut shells and plastic waste will also be taken into consideration.

**LET'S CONTINUE TO PAVE THE WAY FOR THE FUTURE
GENERATIONS...**



Achievements!!





STANFORD LIST OF THE WORLD TOP 2% INFLUENTIAL SCHOLARS

Stanford University has recently released a list that represents the top 2% of the most-cited scientists in various disciplines. The exhaustive list has 1,59,683 researchers where Dr. Mazhar Ul Islam, an Associate Professor from the College of Engineering at Dhofar University has secured his position. He completed his PhD from Kyungpook national University, South Korea and remained as Post Doc fellow and later contract professor in same institute for 2 years. Dr. Mazhar UL-Islam has published more than 90 articles in the field of nanomaterials, biopolymers and nanocomposites in renowned International journals. Also, he presented works at many national and International conferences. Dr. Mazhar UL-Islam contributions have acclaimed recognition from honorable subject experts around the world. His expertise are in fields of Bacterial Cellulose, Composites, Nanocomposites, Polymerization, Polymers, Biopolymers, Biodegradable Polymers, Biomaterials, Nanomaterials, Nanofibers, Polymeric, Biomaterials, Materials Chemistry, Chemical Engineering, Polymer Chemistry and Biomedical Engineering. Dhofar University is proud of his achievements and wishes him best of luck for future research at DU.

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AD SCIENTIFIC INDEX

The AD Scientific Index (Alper-Doger Scientific Index), unlike other systems that provide evaluations of journals and universities, is a ranking and analysis system based on the scientific performance and the added value of the scientific productivity of individual scientists. Furthermore, it provides rankings of institutions based on the scientific characteristics of affiliated scientists. It uses the total and last 5 years' values of the i10 index, h-index, and citation scores in Google Scholar. In addition, the ratio of the last 5 years' value to the total value of the abovementioned indexes is used. Using a total of nine parameters, the "AD Scientific Index" shows the ranking of an individual scientist by 12 subject, 256 branch, 11,700 institution of employment, 186 country, 11 regions and in the world. The "AD Scientific Index" is the first and only study that shows the total and the last five-year productivity coefficients of scientists based on the h-index and i10 index scores and citations in Google Scholar. Following 17 researchers from Dhofar University made up to the list. Dhofar university is proud of their achievements and wishes them best of luck for future research at DU.

NAME

Prof. Luay Rashan

Prof. Asif Gondal

Dr. Sameen Ahmed Khan

Dr. Gowhar Naikoo

Dr. Salman Shabbir

Dr. Rabia Imran

Dr. Faris Al Shubairi

Dr. Mazhar Ul islam

Dr. Mohd. Shariq Khan

Dr. Najam Ul Hassan

Dr. Israr Ul Hassan

Dr. Imran Baig

Dr. Mohammed Wasi Ahmad

Dr. Paul Okonkwo

Dr. Umer Farooq

Dr. Furqan Ahmed

COLLEGE

Research Centre

College of Arts & Applied Sciences

College of Arts & Applied Sciences

College of Arts & Applied Sciences

College of Commerce & Business Administration

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SHEIKH FAISAL BIN QASSIM AL THANI PRIZE FOR EDUCATIONAL SCIENCES

DU's postgraduate student Mr. Mundher bin Khalid Al-Saeedi (Master of Psychological Counseling Program, Department of Education) under supervision of Prof. Nasser Said Gomaa Abdelrasheed and Dr. Ahmed Bin Ali Al-Maashani has secured first position in Sheikh Faisal bin Qassim Al Thani Prize for Educational Sciences for the academic year 2019/2020 in the category of postgraduate studies. All Arab countries were competing in the competition. Dhofar university is proud of their achievements and wishes them best of luck for future research at DU.

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NATIONAL RESEARCH AWARD

The seventh cycle of the Annual Research Forum organized by the Research and Innovation Sector of the Ministry of Higher Education, Research and Innovation (MoHERI) took place at the Kempinski Hotel Muscat today under the patronage of HH Sayyid Theyazin bin Haitham al-Said, Minister of Culture, Sports and Youth. Present in the ceremony were Dr. Rahma al-Mahrooqi, Minister of Higher Education, Research and Innovation, and ministers, researchers, academics and research winners. The Annual Research Forum opened with a welcoming speech by Dr. Rahma al-Mahrooqi, who affirmed that the high interest of His Majesty Sultan Haitham Bin Tarik in the Research and Innovation Sector and placing it on the top of the national concerns, to be the first priority in Oman 2040 Vision, made it a key focus for creating sustainable national development and creating a national knowledge-based economy. Dr. hedi haddad from College of Arts & Applied Sciences at DU won the National Research award in the PhD category in ICT sector all across Oman for his research paper titled 'Transportation Service Redundancy from a Spatio-Temporal Perspective'. Dhofar university is proud of his achievements and wishes him best of luck for future research at DU.

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SENIOR MEMBER 2020 OF THE OPTICAL SOCIETY OF AMERICA

Optica, formerly Optical Society of America(OSA) is the society advancing optics and photonic worldwide, is a leader of excellence, delivering high-quality scientific and technical information that is authoritative, accessible and archived. Senior Members are well-established individuals with a designation that recognizes their experience and professional accomplishments or service within their field that sets them apart from their peers. Dhofar university is proud of his achievement and wishes him best of luck for future research at DU.

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BEST PAPER AWARD-CONFERENCE

Dr. Mukesh Madanan, Lecturer, College of Arts & Applied Sciences received Best Paper Award for his paper titled "**Three factors Based Sybil Attack Detection and RSU Corruption Detection in the VANET Environment**", presented in College of Engineering conference, Vadakara, India-IEEE Malabar Subsection. Dhofar university is proud of his achievement and wishes him best of luck for future research at DU.

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SERVING THE REGION THROUGH EXEMPLARY RESEARCH, INNOVATION AND OUTREACH...

As a part of its mission to promote quality Research and to become the hub of all Research activities in the region, DU has setup a Research centre. The center focuses on niche areas of Research of regional importance, dealt with in different Research clusters/units to develop strategically important local and national topics. One of the cluster on Frankincense, biodiversity & medicinal plants is already operational that has been actively involved in innovative research. Hence, since its inception, the unit has conducted research on more than 10 major research projects that resulted in over 40 publications, one international patent granted from South African Patent Registration Agency and filing of one national and two more international patent applications. The unit has also developed some nutraceutical products using Omani medicinal plants that can be used to treat different ailments.

Research Projects

Frankincense Lab Project 1

The anti-inflammatory, analgesic and healing properties of Frankincense and Myrrh Resins both invitro & invivo. (DU/AY-2015-16/FLAB-P001)

Frankincense Lab Project 2

Pharmacological and Biological Activities of Boswellia sacra Gum Extract. (DU/AY-2015-16/FLAB-P002).

Frankincense Lab Project 3

Complete toxicity studies including acute oral; subacute oral and long-term oral toxicity and genotoxicity of the standardized boswellic acid extract.

Frankincense Lab Project 4

Development and formulation of 4 dietary supplements as capsule dosage-form;

These are:

- ColonLuban.....for irritable colon
- BronchoLuban.....for asthma
- ProstaLuban.....for benign prostate hyperplasia
- OsteoLuban.....for osteoarthritis

Frankincense Lab Project 5

Development and formulation of three topical products:

- Lubanoid.....for anal fissures
- LubanRelief.....for osteoarthritis, muscle spasms
- LubanHeal.....for wound and burns

Frankincense Lab Project 6

Development and formulation of a topical for bedsores.

Frankincense Lab Project 7

Development and formulation of hand sanitizing agent.

Frankincense Lab Project 8

Phytochemical analysis of Woodfordia uniflora.



Current Research Activities

- Chemical analysis of extracts obtained from *Boswellia sacra* using HPLC/MS/MS and some other chemical techniques.
- In vitro anti-tumor activity to some extracts obtained from some plants growing in Dhofar region such as *Acacia Spp*, *Commiphora Spp*, *Jatropha Spp*
- Studying the in vivo anti-tumor activity of some active extracts obtained from *Boswellia sacra* using myeloid and colon cancers models using xenograft techniques.
- Studying the sub-acute, long term toxicity and genotoxicity of one of the most active extract obtained from *Boswellia sacra* (standardized extract).
- Studying the in vitro and in vivo anticancer activity of *Boswellia sacra* essential oils using different techniques.
- Development of some novel nutraceuticals from frankincense and other medicinal plants.
- Development of a topical formulation for bedsores from the gum resin of Omani *Boswellia sacra* (MoHERI Funded-Call 2019)
- Anticancer activity of Dhofar Medicinal Plants (MoHERI Funded-Call 2020).

Research Collaborations

- Institute of Natural Products and Clinical Pharmacy, University of Ulm, Germany.
- Institute of Pharmaceutical Sciences, Department of Pharmaceutical Biology and Biotechnology, Albert-Ludwigs University, Freiburg.Germany.
- Institute of Pharmaceutical Biology, Johannes Gutenberg University, Mainz-Uni-Mainz, Frankfurt.
- Department of Psychiatry and Psychotherapy, Medical School, University of Freiburg.
- Institute of Plant-Biochemistry, Halle-Saale, Germany
- Charles River Laboratories, Freiburg, Germany.
- 4HF Biotechnolgy –Anticancer Discovery Company, Freiburg.Germany.
- Viva cell Biotechnology Company, Freiburg. Germany.
- School of Chemistry, Bangor University. United Kingdom.
- Department of Biomedical Sciences, University of Cagliari, Cittadella,Universitaria, Monserrato, Cagliari.Italy.
- Dep. STEBICEF Universita degli Studi di Palermo, Palermo. Italy.
- School of Pharmacy, Natural product Department, Hanyang University. South Korea.
- Department of Stem cell and Regeneration Biology, Kankuk University South Korea.
- Department of Neurodegenerative diseases, Faculty of Medicine and Health Sciences. Macquarie University. Australia.
- School of Natural Sciences, Griffith University. Australia.
- Sultan Qaboos University, Muscat. Oman.
- Pars-BioScience Research Center, Kensas. USA.
- Oman Pharmaceutical Company, Salalah.Oman.
- Deaprtment of Chemistry, University of Alabama in Huntsville, Huntsville, USA.
- Faculty of Pharmacy and Medical Sciences, Petra University. Jordan
- Al-Yarmouk Hospital, Baghdad, Iraq.



Research Outcomes

The Frankincense, biodiversity & medicinal plants unit has been actively involved in innovative research. Hence, since its inception, the unit has published over 40 publications in recognized journals, have been granted one international patent from South African Patent Registration Agency and have filed one national and two more international patent applications. The unit has also developed some nutraceutical products using Omani medicinal plants that can be used to treat different ailments.

تطوير معقم وملطف لليدين من اللبان

في ظل استمرارية جائحة كورونا والمناسبات باتخاذ الاحتياطات الاحترازية الوقائية من فيروس كوفيد 19 ومن ضم مساهماتها العلمية والتطويرية تمكنت مختبرات مركز الأبحاث بجامعة ظفار من تطوير منتج طبيعي جديد من اللبان العماني كمعقم ويعمل على إزالة الجراثيم وبعض المايكروبات إضافة الي ترطيب وتلطيف اليدين وتعد تلك التركيبة والتي تم من خلالها استخدام مواد محلية مستخرجة من صمغ اللبان العماني ومواد أخرى مضافة مع اعتماد كافة معايير منظمة الصحة العالمية وفق إفاة بروفيسور لؤي جميل رشان الباحث الرئيسي في وحدة التنوع الإحيائي بالمركز والذي أشار الي ان مختبرات مركز أبحاث جامعة ظفار عملت علي دراسة الخصائص الفيزيائية والكيميائية للشكل النهائي للمنتج وتقييم فاعليته علي عدد كبير من الجراثيم ومقارنة تلك الفاعلية مع فاعلية بعض المنتجات المستخدمة لتعقيم اليدين كأجراء وقائي لتجنب الإصابة بفيروس كورونا المستجد . لقد تم اعتماد معايير منظمة الصحة العالمية في هذه التركيبة التي قام بتطويرها فني مختبر اللبان والتنوع الحيوي الصيدلاني محمد رشان وشملت استخدام مواد محلية يتم استخراجها من صمغ اللبان العماني ويضاف لها مواد أخرى ويكون على هيئة لوشن.

وقد قام مركز الأبحاث بإجراء الدراسات اللازمة على هذه التركيبة المميزة والتي شملت:

1. دراسة الخصائص الفيزيائية والكيميائية للشكل النهائي للمنتج.
2. تقييم فاعلية المنتج على عدد كبير من الجراثيم ومقارنة تلك الفاعلية مع فاعلية بعض المنتجات المستخدمة لتعقيم اليدين والتي تستخدم حالياً كإجراء وقائي لتجنب الإصابة بفيروس كورونا المستجد.
3. دراسة تأثير المنتج على الجلد في حيوانات التجربة التي استمرت لعدة اسابيع والتي اظهرت سلامة المنتج وعدم حصول حساسية او احمرار او اعراض أخرى.
4. دراسات شملت تحديد المكونات الكيميائية لهذا المنتج وعدم احتوائه على بعض المعادن الثقيلة وغير ذلك من الدراسات الأخرى وحسب البروتوكولات العالمية.
5. دراسة تصنيع كميات كبيرة من المنتج بعد ان تم تصنيع كمية على مستوى المختبر واكمال الدراسات عليه.
6. دراسات أخرى.

ويضيف البروفيسور لؤي جميل رشان-الباحث الرئيسي في وحدة التنوع الإحيائي بمركز الأبحاث جامعة ظفارالي ان هذا المنتج في إطارأكمال تسجيله لدى الدوائر الصحية المختصة بفرض إنتاجه حسب التوجيهات والتعليمات الصحية.



RESEARCH GROUPS

Let's Join Hands in Making a difference through exceptional Research!!!!

Considering the research expertise and the research facilities available in each College and the Research centre, DU has formed Research groups considering the topics of research of regional and national importance. This is done to facilitate the research collaboration with other HEIs and relevant Industries.



BUSINESS CONSULTING

Our Qualified researchers will help you discover and resolve all problems that your business is facing.



SERVICE, COLLABORATE & ADVICE

We deliver a wide range of consultancy services that will help your business to grow. Our researchers are open for collaboration



RESEARCH PROBLEMS

Our team will increase the probability that the decisions you take will help attain your objectives.

AREAS OF EXPERTISE

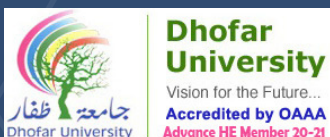
EDUCATION,
SCIENCES &
HUMANITIES

ACCOUNTING, FINANCE,
MARKETING, LOGISTICS,
ENTREPRENEURSHIP,
MANAGEMENT & SMES

ELECTRICAL,
MECHANICAL,
ELECTRONICS AND CIVIL,
ENGINEERING
ARCHITECTURE,
CHEMICAL & RENEWABLE
ENERGY

INTERNATIONAL LAW,
PUBLIC LAW, CRIMINAL
LAW, CIVIL LAW & PRIVATE
LAW

FRANKINCENSE
& BIODIVERSITY
UNIT



COLLEGE OF ENGINEERING

INTERNET OF THINGS RESEARCH UNIT

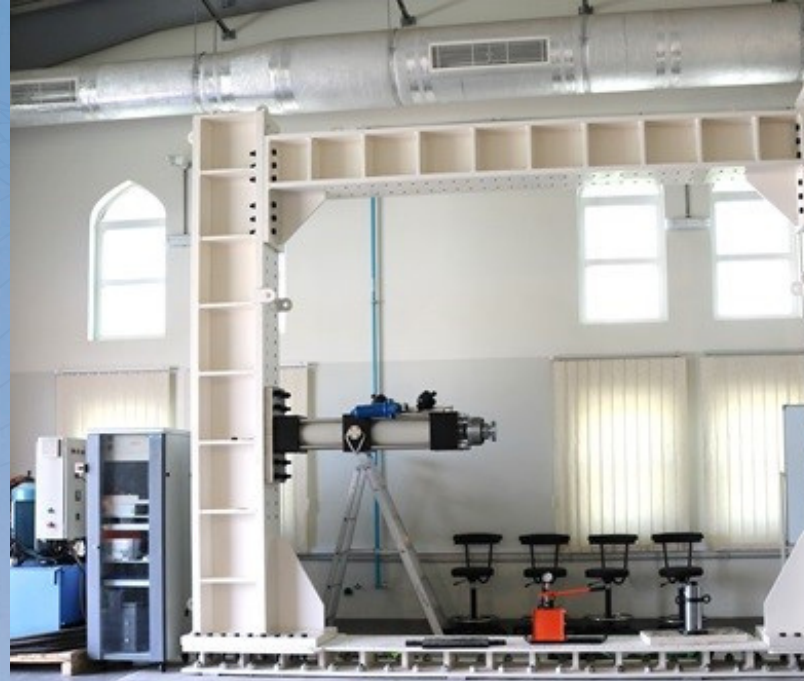
The Unit is involved in the research and development of various IoT applications. The research interests of our members include wireless communication and networking, 5G/6G and beyond, and machine learning for the IoT networks. Besides the analytical and empirical methods, our research work is also focused on developing real prototypes of IoT networks.

RECYCLING AND ADVANCE MATERIAL SYNTHESIS UNIT

The RAMSC strategy is to identify, collect, screen, and recycle various natural and waste resources. Once incorporated the RAMSC will further develop solutions for wastewater treatment, develop bio-product and biofuels from wastes, improve the fuel quality using waster resources, and explore the potential applications of local plants, clays, and other resources in waste recycling.

SUSTAINABLE INFRASTRUCTURE ASSETS UNIT

It is a unique research unit in the region that incorporate multiple disciplinarians from Dhofar University as well as international collaborations to improve the life quality of the citizens in facing the increase demand on the higher quality and availability of infrastructure and to mitigate the negative impacts of climate change on its services.



PRECISION MANUFACTURING AND INNOVATION CENTRE

The Precision Manufacturing and Innovation Centre consist of our experienced faculty members having expertise in transitioning their research developments to manufacturing or with relevant know-how in computation, materials, devices, systems, controls or automation to support the mission of the centre.

ADVANCED COMPOSITE MATERIALS AND STRUCTURES UNIT

This research unit is to develop innovative composite materials and new techniques for enhancing the structural performance of the existing civil engineering infrastructures.



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COLLEGE OF COMMERCE & BUSINESS ADMINISTRATION

DIGITAL TRANSFORMATION UNIT

Digital transformation is “the integration of digital technology into all areas of a business, fundamentally changing how you operate and deliver value to customers. It’s also a cultural change that requires organizations to continually challenge the status quo, experiment, and get comfortable with failure”(Enterprisers 2016). The research group will focus on two main areas digital transformation: the need on developing e-learning systems that could address the blended learning model, which has become the norm after the COVID 19. The group will develop on focusing to develop e-learning systems based on online learning pedagogy. Second, data science that will integrate various computing technologies to identify useful information from direct and indirect relationships in data by developing appropriate scientific methodologies.

ENTREPRENEUR RESEARCH UNIT

The entrepreneurship research lab in Dhofar University aims to establish a platform for practitioners and researchers that will better understand and contribute to the development of small and medium enterprises in the region through academic research and consultancy.

IMPACT OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT ON ECONOMIC GROWTH OF OMAN UNIT

The unit conducts research focusing on different aspects of logistics and supply chain management like supply chain integration, supply chain best practices, improving logistical performance, developing lean supply chains etc and attempt to analyze their impact on the economic development of Oman.

FINANCIAL REPORTING & SUSTAINABILITY ACCOUNTING UNIT

Accounting is gathering and using information about the planning, control, and performance of an economic entity. Research in accounting spans a range of topics almost as broad as that definition. The Accounting research group aims to develop and deliver research across the accounting disciplines to help companies in public and private sectors and, supports academic and professional scholarship. The group is ready to collect and analyze financial data and through questionnaire and conduct entire research project in this area.

HUMAN CAPITAL DEVELOPMENT AND INNOVATIVE PRACTICES RESEARCH UNIT

The current competitive environment requires the development of relevant human skills and knowledge in order to sustain. Different interventions like HR practices, leadership and psychological process play their role in building human capital which is necessary for greater performance. The research unit is focused research on human capital based interventions on organizational performance and innovative practices.

UNIT FOR MONITORING OMANI ECONOMY

Sultanate of Oman focus is on diversifying the economy through increased domestic and foreign investments with the objective of reducing dependence on oil and its contribution to GDP. The unit provides services like Monetary policy and technology of financial services, Economic Growth, financial economic and sustainability development, Public finance, Governance and fiscal policy, Investments and financial stock markets, Financial performance and development, Financial and social sustainability and Behavioral finance and household finance.

COLLEGE OF ARTS & APPLIED SCIENCES

CONTEMPORARY SOCIAL ISSUES RESEARCH UNIT

This Research Group is qualified, competent and committed to serve and empower individuals, families and thereby communities through creation and dissemination of social work knowledge, skills, values, ethics and research. This Research Group offers need-based training, research, and consultancy services to governmental establishments, non-governmental organizations, and corporate sectors. The services include designing, delivering, and conducting need-based training programs, awareness-building campaigns, and research projects on a host of vital topics related to healthcare, population, environment, women, children, youth, elderly, unorganized labor, cleanliness and sanitation, cybercrime, etc.

STATISTICAL & DATA ANALYSIS RESEARCH UNIT

The experts working in this Research Unit specialize in data analyses, statistical modelling, and signal and image processing. Needless to say that these statistical aspects are directly linked with effective decision-making in any and every governmental, non-governmental, and commercial establishment or organization. The expertise and consultancy services of this research unit can be availed and utilized to arrive at data-driven findings; determine effective decision-making process; and streamline the direction of success, growth and development. The unit can also work on and/or collaborate in designing and conducting need-based joint research projects.

NANOSCIENCE AND NANOTECHNOLOGY UNIT

Research Unit are duly qualified and experienced experts in scientific applications of nanoscience and nanotechnology in the fields of clean energy production, storage, catalysis, sensor technology, environmental remediation and healthcare. Research and consultancy expertise offered by this Research Unit are highly useful and beneficial in developing infrastructure, manufacturing commercial products from new materials in public interest, and in developing related research projects and programs.

ONLINE TEACHING AND LEARNING RESEARCH UNIT

The unit aims to facilitate collaborative research for development, implementation and improvement of evidence-based strategies for online teaching and learning at DU

LANGUAGE SERVICES AND CONSULTANCY RESEARCH UNIT

This research and consultancy group is comprised of adequately qualified, trained and experienced professionals in a wide range of linguistic and applied linguistic fields of the two languages, namely English and Arabic. This research group can provide its professional services in designing and delivering need-based consultancy services, training programs, refresher courses in English for Specific Purposes, and in Arabic for Specific Purposes, translation, and interpreting. The group can also design and conduct assigned or collaborative research projects related to language, translation and interpreting.

SMART CITIES AND MACHINE INTELLIGENCE UNIT

This Research Unit specializes in creating research-driven structures that enable stellar advances in smart cities, artificial intelligence, and machine learning. The Unit welcomes research-based collaborations with national and international organizations or bodies in developing, piloting, and conducting projects in the fields of smart cities, intelligent systems, and machine learning.

وحدة البحث التربوي المعاصر والإستشارات التربوية

CONTEMPORARY EDUCATIONAL RESEARCH AND CONSULTANCY UNIT

تتكون هذه المجموعة من خبراء اكاديميين بمختلف التخصصات التربوية والتي تتناول تطوير المشاريع التربوية المختلفة وايجاد الحلول المناسبة لتجسين جودة التعليم. حيث تجمع هذه المجموعة أعضاء هيئة التدريس بمختلف التخصصات التربوية. كما يتم التركيز على مجالات معينة من البحث التربوي ، وتطوير المشاريع ، والقيام بأنشطة مشتركة ، وتبادل الخبرات. تركز وحدة بحوث القضايا التربوية المعاصرة بقسم التربية على ايجاد الحلول والاستشارات المناسبة لبعض التحديات التربوية التي تواجهها المؤسسات التعليمية العامة والخاصة في المجتمع العماني. كما تسعى هذه المجموعة الى خلق فرص لمشاريع تربوية مشتركة مع مؤسسات التعليم بالولاية القابلية وتغزير الخبرات بالبحوث التربوية.

تسعى الوحدة إلى تحقيق التميز والابداع في البحث العلمي في المجالات التربوية المختلفة بما يضاهاى وحدات البحث الإقليمية والدولية.

CONTACT US @ DR. KHALID MASHIKHI, DEAN CAAS, +968 23 23 7200, DEANCAAS@DU.EDU.OM



FRANKINCENSE & BIODIVERSITY RESEARCH CENTRE



BIOTECHNOLOGY UNIT

The goal of this unit is develop or produce some standardized herbal extracts by blind-screening them using biotechnological tests both in vitro and in vivo and using living organisms such as bacterial cells, yeast, mammalian cells...etc that leads to produce extracts/ products with potential pharmacological activity.

DEVELOPMENT, FORMULATION & MANUFACTURING OF NATURAL PRODUCTS/ DIETARY FOOD SUPPLEMENTS/ TOPICAL/ COSMETIC & OTHER DOSAGE-FORMS UNIT

Our mission is to be one of the global leader in the development and formulation of different phyto-therapeutics dosage-forms extracted from some selected plants growing in Oman, Gulf and Mediterranean region.

BIO ORGANIC UNIT

This unit is largely focused on extraction, characterization and standardization of novel herbal extracts using highly sophisticated machines. It is also involved the synthesis of some novel molecules isolated from some medicinal plants and in collaboration with some international universities.

CONSULTATION UNIT

The Research Center/ Biodiversity Unit offer advice and expertise to organizations/phytotherapeutic companies across a variety of areas including:

1. Provide scientific analysis/interpretation, and technical fortitude for product formulations, labeling, and advertising claims, consumer and trade promotions.
2. Actively participate in new product development, from discovery and initial feasibility assessment to product qualification.
3. Monitor and analyze new scientific information related to dietary supplements and dietary ingredients within subject matter.
4. Blind methods for screening substances (crude herbs/ extracts, single compound) for pharmacological activities to identify the main pharmacological activity of the test material.
5. General regulatory check of composition compared to international regulations (chemical form of vitamins/minerals, potential novel food ingredients, amounts etc.).
6. Conducting some phytochemical analysis of plants/ extracts and in collaboration with international universities.
7. Prepare complete dossier for both single herbal (monographic) and polyherbal ingredients according to the international standards.



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CONFERENCES ORGANIZED BY DU

During the AY 2020-21, considering the ongoing pandemic DU organized and hosted online conferences on the topics of global and national importance in the fields of engineering, law and Covid-19. Many national and international researchers and scholars participated in the conferences and presented their researches. The Colleges and the organizing bodies worked hard to make it a success.

DUSISE

SISE 2021 was a two day online conference held on 7-8 April 2021 organized by College of Engineering, Dhofar University Salalah Oman. The conference focused on recent research activities and smart innovations related to science and engineering.

2ND GCC CONFERENCE ON CORONAVIRUS & SUSTAINABLE DEVELOPMENT

The second GCC conference on Coronavirus Pandemic and Sustainable Development in the GCC countries "Repercussions and Innovation Opportunities" was held online on 23rd May, 2021. The two-day conference, explored the roles of researchers and scholars in crisis management and spreading awareness in order to converge views and exchange knowledge in a manner that serves humanity and achieves envisaged sustainable development goals (SDGs) in light of Covid-19.

A GENERAL READING OF THE THEORY OF EMERGENCY CONDITIONS IN THE CONTEXT OF THE CORONA PANDEMIC- COVID19

The conference was organized by College of Law and was held on 7th April, 2021. It was aimed to contribute to the development of national legislation through scientific research characterized by novelty and scientific sobriety. The conference also seeks to contribute to the development of solutions to the problems created by the conditions of the spread of the coronavirus.

حماية الطفل وفق التشريع العُماني والمعايير الدولية

The conference was organized by the College of law and was held on 31st march, 2021. It was aimed to address the protection of childhood provided by Omani laws and international standards.

بلادنا

جامعة ظفار تقيم المؤتمر الخليجي الثاني عن جائحة كورونا

بدء مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية بجامعة ظفار



تشكل خمسة محاور مترابطة ساحة للنقاش للأوراق العلمية المقدمة منها محور التحديات الاجتماعية، التحديات التربوية، التحديات الاقتصادية، التحديات الصحية بجانب التحديات القانونية



د. ذياب المهري

25 ورقة علمية ستطرح خلال المؤتمر بمشاركة خليجية من جامعات وخبراء ومتحدثين رئيسيين كسمو الأميرة د. الجوهرة آل سعود الأستاذ المشارك وعمو مجلس الشورى السعوي، ومن جامعة السلطان قابوس

ورقة بحثية من د مكي شلمان من جامعة الامام محمد بن سعود الاسلامية تبحث عن التحديات الاجتماعية في ظل جائحة كورونا بورقة اخرى عن تأثيرات جائحة كورونا علي الاختبارات من د. مرتضى فرح رئيس قسم اللغة العربية بجامعة ظفار. اما عن محور التحديات الاقتصادية فهناك الورقة التي تناقش تطور حقوق الطفل عبر التاريخ، كذلك يناقش في محور التمهيدي حماية الطفل العماني في ضوء مؤشرات التقارير الدولية وأدبيات الدراسات الوطنية لاتفاقية حقوق الطفل، والوقوف على واقع وتحديات حماية حق الطفل العماني كذلك دور المدرسة بسلطة مسؤوليها المجتمعية نحو الأطفال. أما محور الأول لعلمسات المؤتمر فيدور حول مفهوم الطفل في الشريعة والقانون يحوي عدة أوراق بحثية عن

مفهوم الطفل في الشريعة الاسلام وحقوقه وانتهاء مراحلها، حقوق الطل والنصو القرآنية، مفهوم الطل بين الشريعة والقانون الدولي والعماني والطفل من منظور الشريعة الاسلام تعريفه ومراحلها ومهمته. أيضا مناقشة حق الطفل في الحضن والرعاية في قانون الأحوال الشخص المحضون في التشريعات العم، ومهام الحماية الاجرائية في مسا الأحوال الشخصية وشرعة حقوق الطل في سلطنة عمان، وينتظر المحور الثالث المستقبلي للطل والشباب العماء وانكاسيا في رؤفة عمان 2040 وتتمثل حماية الطل في القان المدني وقانون العمل مركزات المح الثالث للمؤتمر البحث عن الخصوص التشريعية في القانون العماني ودرار الحقوق المالية للطل، دراسة أشخص القانونية له لطل ودورها في توفير الحد القانوني له وكذلك حماية الطل نو الإعاقة في التشريعات الدولية والقان العماني. بينما تشكل حماية الطل في القان الجزائي العماني مضمون المحور الال للمؤتمر وذلك بطرح أوراق بحث: ملامح المعاملة الختالية للطل، القانون العماني وضمانات الحد الجا رريمة قسم العلوم الاجتماعية بجامعة البحرين، وتشكل خمس محاور مترابطة ساحة للنقاش لأوراق العلمية المقدمة منها محور التحديات الاجتماعية، التحديات التربوية، التحديات الاقتصادية، التحديات الصحية بجانب التحديات القانونية أيضا الورقة التي تناقش لتأثيرات الجائحة ككذلك بحث سسل حماية الطل، والقانون الجزائي العماني.



1st International Conference on Smart Innovation in Science and Engineering (SISE)

7-8 April 2021



أخبار

جامعة ظفار

خبراء واستشاريون يناقشون تأثيرات جائحة كورونا علي الوضع القانوني والتشريعي بجانب التأثيرات الاقتصادية والاجتماعية عبر المؤتمر الافتراضي الثاني بجامعة ظفار عن القراءة العامة لنظرية الظروف الطارئة في سياق جائحة كورونا




شارك خبراء واساتذة قانون بالجامعات العمانية بجانب مختصين في الاقتصاد والتربية والاجتماع بأكثر من 20 ورقة علمية في المؤتمر الافتراضي الثاني لكلية الحقوق بجامعة ظفار والذي جاء بعنوان (قراءة عامة لنظرية الظروف الطارئة في سياق جائحة كورونا) حيث طرح المشاركون مدى فعالية التشريعات الراهنة في معالجة الآثار والمشكلات الناجمة عن هذه الجائحة في مختلف العقود ودور القضاء في تطويع القانون وتفسيره في معالجة المشكلات المستجدة وتناقش الحضور حول تأثير جائحة كورونا علي العقود المدنية والتي تعتبر اكثر القضايا عددا امام المحاكم مع التطرق وتناول تأثيرات جائحة الكورونا علي البيئة التجارية تسببت كورونا في عدم تنفيذ الكثير منها كليا او جزئيا ايضا تناول المؤتمر توجه الدول نحو الحكومة الالكترونية خيار وقائي من جائحة كورونا كاحد التدابير التي اتخذتها كثير من البلدان مع حزمة من التدابير، والتي المؤتمر الضوء بالفتاة ذكية حيث تناول جانبها مهما تتل في تأثير جائحة كرونا علي العلاقات الاسرية والترابط الاجتماعي شير الي ان المؤتمر هدف الي تسليط الضوء علي كافة الآثار المتعلقة بجائحة كورونا كما افاد بذلك د/احمد الزين العميد بالانابة لكلية الحقوق بجامعة ظفار مضيفا ان المؤتمر وضع عدة اهداف وعمل علي ايجاد الحلول للكثير من الآثار التي افرزتها الجائحة وذلك بالعمل علي تفسير للكثير من النصوص القانونية حتي يمكن تطبيقها في مثل هذه الظروف الاستثنائية، كما رمي المؤتمر الي نشر الثقافة القانونية والمساهمة في تطوير التشريعات التي تعالج مثل تلك المواقف عبر بحوث تسم بالجديدة والعلمية في ان واحد ومن جل رؤية مستقبلية من خلال منظومة تشريعية متكاملة

Trainings & Workshops

As a part of the efforts to promote quality research, the department of research organized training workshops for faculty, staff and students to help them enhance their research skills and create a research culture and environment conducive for credible research.

Month	Su	Mo	Tu	We	Th	Fr	Sa	Date	Training	Time	Details
	30	31	1	2	3	4	5	September 24, 2020	Training Workshop: How to use Scopus (English)	12.00 pm – 01.00 pm	Scopus Expert
Sep 2020	6	7	8	9	10	11	12	September 28, 2020	Training Workshop: How to use Scopus (Arabic)	12.00 pm – 01.00 pm	Scopus Expert
	13	14	15	16	17	18	19	September 30, 2020	Workshop: Block Funding Program (English)	12.30 pm – 01.00 pm	RFP & IPEC Chair + Department of Research
	20	21	22	23	24	25	26				
	27	28	29	30	1	2	3	October 1, 2020	Workshop: Block Funding Program (Arabic)	12.30 pm – 01.00 pm	RFP & IPEC Chair + Department of Research
Oct	4	5	6	7	8	9	10	October 5, 2020	Training Workshop: How to use WoS (Arabic)	12:30 pm – 01.30 pm	WoS Expert-Needs pre-registration
	11	12	13	14	15	16	17	October 7, 2020	Training Workshop: How to use WoS (English)	12:30 pm – 01.30 pm	WoS Expert-Needs pre-registration
	18	19	20	21	22	23	24	October 12, 2020	Understanding DU Research Guidelines	12:30 pm – 01.30 pm	URC Chair & Department of Research
	25	26	27	28	29	30	31				

Professional Development for Research

RESEARCH PUBLICATIONS

AY 2020-21

Publications in Web of Science (September 2020-Aug 2021)

Source: Clarivate

Title: Anticorrosion and dispersive adsorption studies of natural andrographolide on carbon steel in acid-chloride environments

Author(s): Emori, W (Emori, Wilfred); Bassey, VM (Bassey, Victoria M.); Louis, H (Louis, Hitler); Okonkwo, PC (Okonkwo, Paul C.); Zhao, SX (Zhao, Shixiong); Wei, K (Wei, Kun); Okafor, PC (Okafor, Peter C.); Wan, J (Wan, Jie); Cheng, CR (Cheng, Chun-Ru)

Source: BIOELECTROCHEMISTRY Volume: 141 Article Number: 107840 DOI: 10.1016/j.bioelechem.2021.107840
Published: OCT 2021

Accession Number: WOS:000680452600007

PubMed ID: 34020400

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Bassey, Victoria 0000-0001-9833-0160

louis, Hitler H-1511-2019 0000-0002-0286-2865

ISSN: 1567-5394

eISSN: 1878-562X

Title: Fourth-generation glucose sensors composed of copper nanostructures for diabetes management: A critical review

Author(s): Naikoo, GA (Naikoo, Gowhar A.); Awan, T (Awan, Tasbiha); Salim, H (Salim, Hiba); Arshad, F (Arshad, Fareeha); Hassan, IU (Hassan, Israr U.); Pedram, MZ (Pedram, Mona Zamani); Ahmed, W (Ahmed, Waqar); Faruck, HL (Faruck, Hakkim L.); Aljabali, AAA (Aljabali, Alaa A. A.); Mishra, V (Mishra, Vijay); Serrano-Aroca, A (Serrano-Aroca, Angel); Goyal, R (Goyal, Rohit); Negi, P (Negi, Poonam); Birkett, M (Birkett, Martin); Nasef, MM (Nasef, Mohamed M.); Charbe, NB (Charbe, Nitin B.); Bakshi, HA (Bakshi, Hamid A.); Tambuwala, MM (Tambuwala, Murtaza M.)

Source: BIOENGINEERING & TRANSLATIONAL MEDICINE Article Number: e10248 DOI: 10.1002/btm2.10248 Early Access Date: SEP 2021

Accession Number: WOS:000694014200001

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Tambuwala, Murtaza H-8074-2013 0000-0001-8499-9891

eISSN: 2380-6761

Title: Adopting a green method for the synthesis of gold nanoparticles on cotton cloth for antimicrobial and environmental applications

Author(s): Anwar, Y (Anwar, Yasir); Ullah, I (Ullah, Ihsan); Ul-Islam, M (Ul-Islam, Mazhar); Alghamdi, KM (Alghamdi, Khalid M.); Khalil, A (Khalil, Ashi); Kamal, T (Kamal, Tahseen)

Source: ARABIAN JOURNAL OF CHEMISTRY Volume: 14 Issue: 9 Article Number: 103327 DOI: 10.1016/j.arabjc.2021.103327 Published: SEP 2021

Accession Number: WOS:000685910100001

ISSN: 1878-5352

eISSN: 1878-5379

Title: EFL postgraduate students' learning needs on English-medium business programmes: An exploratory study

Author(s): Alhassan, A (Alhassan, Awad)

Source: LANGUAGE TEACHING RESEARCH Volume: 25 Issue: 5 Pages: 798-816 DOI: 10.1177/1362168819857861
Published: SEP 2021

Accession Number: WOS:000686584300007

ISSN: 1362-1688

eISSN: 1477-0954

Title: Nanomaterials-Based Sensors for Respiratory Viral Detection: A Review

Author(s): Naikoo, GA (Naikoo, Gowhar A.); Awan, T (Awan, Tasbiha); Ul Hassan, I (Hassan, Israr Ul); Salim, H (Salim, Hiba); Arshad, F (Arshad, Fareeha); Ahmed, W (Ahmed, Waqar); Asiri, AM (Asiri, Abdullah M.); Qurashi, A (Qurashi, Ahsanulhaq)

Source: IEEE SENSORS JOURNAL Volume: 21 Issue: 16 Pages: 17643-17656 DOI: 10.1109/JSEN.2021.3085084
Published: AUG 15 2021

Accession Number: WOS:000684707400029

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Asiri, Abdullah M. C-3458-2009 0000-0001-7905-3209

ARSHAD, FAREEHA 0000-0002-6962-1927

ISSN: 1530-437X

eISSN: 1558-1748

Title: Batch adsorption isotherm models applied in single and multicomponent adsorption systems - a review

Author(s): Isiuku, BO (Isiuku, Beniah Obinna); Okonkwo, PC (Okonkwo, Paul C.); Emeagwara, CD (Emeagwara, Chibuike Dickson)

Source: JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY Volume: 42 Issue: 12 Pages: 1879-1897 DOI: 10.1080/01932691.2021.1964988 Early Access Date: AUG 2021 Published: SEP 30 2021

Accession Number: WOS:000688330000001

ISSN: 0193-2691

eISSN: 1532-2351

Title: Nafion degradation mechanisms in proton exchange membrane fuel cell (PEMFC) system: A review

Author(s): Okonkwo, PC (Okonkwo, Paul C.); Ben Belgacem, I (Ben Belgacem, Ikram); Emori, W (Emori, Wilfred); Uzoma, PC (Uzoma, Paul C.)

Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: 46 Issue: 55 Pages: 27956-27973 DOI: 10.1016/j.ijhydene.2021.06.032 Published: AUG 10 2021

Accession Number: WOS:000679245600009

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Uzoma, Paul C. 0000-0003-0028-3090

ISSN: 0360-3199

eISSN: 1879-3487

Title: Are Islamic financial institutions more resilient against the COVID-19 pandemic in the GCC countries?

Author(s): Akkas, E (Akkas, Erhan); Al Samman, H (Al Samman, Hazem)

Source: INTERNATIONAL JOURNAL OF ISLAMIC AND MIDDLE EASTERN FINANCE AND MANAGEMENT DOI: 10.1108/IMEFM-07-2020-0378 Early Access Date: AUG 2021

Accession Number: WOS:000682846500001

ISSN: 1753-8394

eISSN: 1753-8408

Title: (k, epsilon, delta)-Anonymization: privacy-preserving data release based on k-anonymity and differential privacy

Author(s): Tsou, YT (Tsou, Yao-Tung); Alraja, MN (Alraja, Mansour Naser); Chen, LS (Chen, Li-Sheng); Chang, YH (Chang, Yu-Hsiang); Hu, YL (Hu, Yung-Li); Huang, YN (Huang, Yennun); Yu, CM (Yu, Chia-Mu); Tsai, PY (Tsai, Pei-Yuan)

Source: SERVICE ORIENTED COMPUTING AND APPLICATIONS Volume: 15 Issue: 3 Pages: 175-185 DOI: 10.1007/s11761-021-00324-2 Early Access Date: AUG 2021 Published: SEP 2021

Accession Number: WOS:000682404600001

ISSN: 1863-2386

eISSN: 1863-2394

Title: Electrospun highly corrosion-resistant polystyrene-nickel oxide superhydrophobic nanocomposite coating

Author(s): Radwan, AB (Radwan, A. Bahgat); Mannah, CA (Mannah, Cheirva A.); Sliem, MH (Sliem, Mostafa H.); Al-Qahtani, NHS (Al-Qahtani, Noora Hamad S.); Okonkwo, PC (Okonkwo, Paul C.); Berdimurodov, E (Berdimurodov, Elyor); Mohamed, AM (Mohamed, Adel M.); Abdullah, AM (Abdullah, Aboubakr M.)

Source: JOURNAL OF APPLIED ELECTROCHEMISTRY DOI: 10.1007/s10800-021-01603-8 Early Access Date: AUG 2021

Accession Number: WOS:000682410000001

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Abdullah, Aboubakr C-7275-2013 0000-0001-8406-9782

ISSN: 0021-891X

eISSN: 1572-8838

Title: Solubility of vitamin A in supercritical CO₂: experimental study and thermodynamic modeling

Author(s): Naikoo, GA (Naikoo, Gowhar Ahmad); Zadegan, MS (Zadegan, Mohammad Saeedi); Pedram, MZ (Pedram, Mona Zamani); Ul Hassan, I (Ul Hassan, Israr); Ahmed, W (Ahmed, Waqar); Attar, GY (Attar, Golshan Yousefi)

Source: SCIENTIFIC REPORTS Volume: 11 Issue: 1 Article Number: 15917 DOI: 10.1038/s41598-021-92374-x Published: AUG 5 2021

Accession Number: WOS:000684434700032

PubMed ID: 34354092

ISSN: 2045-2322

Title: Collaboration with EAP teachers in English-medium instruction contexts in higher education: Content lecturer perspectives

Author(s): Alhassan, A (Alhassan, Awad); Bora, SF (Bora, Simona Floare); Abdalla, YA (Abdalla, Yousif Abdelbagi)
Source: TESOL JOURNAL Article Number: e610 DOI: 10.1002/tesj.610 Early Access Date: AUG 2021
Accession Number: WOS:000680946500001
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Abdalla, Yousif 0000-0002-0714-5451
Alhassan, Awad 0000-0002-1147-0919
ISSN: 1056-7941
eISSN: 1949-3533

Title: Recent Approaches for the Production of High Value-Added Biofuels from Gelatinous Wastewater

Author(s): Tawfik, A (Tawfik, Ahmed); Ni, SQ (Ni, Shou-Qing); Awad, HM (Awad, Hanem M.); Ismail, S (Ismail, Sherif); Tyagi, VK (Tyagi, Vinay Kumar); Khan, MS (Khan, Mohd Shariq); Qyyum, MA (Qyyum, Muhammad Abdul); Lee, M (Lee, Moonyong)
Source: ENERGIES Volume: 14 Issue: 16 Article Number: 4936 DOI: 10.3390/en14164936 Published: AUG 2021
Accession Number: WOS:000690482200001
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Qyyum, Muhammad Abdul AAL-3080-2020 0000-0001-5052-5209
lee, moonyong 0000-0002-3218-1454
eISSN: 1996-1073

Title: Entrepreneurship in Crisis: The Determinants of Syrian Refugees' Entrepreneurial Intentions in Turkey

Author(s): Almohammad, D (Almohammad, Dawoud); Durrah, O (Durrah, Omar); Alkhalaf, T (Alkhalaf, Taher); Rashid, M (Rashid, Mohamad)
Source: SUSTAINABILITY Volume: 13 Issue: 15 Article Number: 8602 DOI: 10.3390/su13158602 Published: AUG 2021
Accession Number: WOS:000682192600001
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Durrah, Omar AAY-7723-2021
Durrah, Omar 0000-0002-8923-9450
Alkhalaf, Taher 0000-0002-8765-4538
eISSN: 2071-1050

Title: Corporate social responsibility disclosure and financial reporting quality: Evidence from Gulf Cooperation Council countries

Author(s): Al Ani, MK (Al Ani, Mawih Kareem)
Source: BORSA ISTANBUL REVIEW Volume: 21 Pages: S25-S37 DOI: 10.1016/j.bir.2021.01.006 Supplement: 1
Published: AUG 2021
Accession Number: WOS:000680033400003
ISSN: 2214-8450
eISSN: 2214-8469

Title: Impact of system- vs. consumer- generated recommendations on decision factors: A differential, moderating and mediating perspective

Author(s): He, Y (He, Yuan); Ashraf, M (Ashraf, Muhammad); Sharif, W (Sharif, Wareesa); Abbas, M (Abbas, Mazhar); Raza, A (Raza, Arslan); Jaafar, NI (Jaafar, Noor Ismawati); Sulaiman, A (Sulaiman, Ainin); Thurasamy, R (Thurasamy, Ramayah); Shabbir, MS (Shabbir, Muhammad Salman)
Source: CURRENT PSYCHOLOGY DOI: 10.1007/s12144-021-02119-2 Early Access Date: JUL 2021
Accession Number: WOS:000679013200005
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Ramayah, T. E-4629-2010 0000-0002-7580-7058
ISSN: 1046-1310
eISSN: 1936-4733

Title: An efficient recommender system algorithm using trust data

Author(s): Rahim, A (Rahim, Asma); Durrani, MY (Durrani, Mehr Yahya); Gillani, S (Gillani, Saira); Ali, Z (Ali, Zeeshan); Hasan, NU (Ul Hasan, Najam); Kim, M (Kim, Muchoel)
Source: JOURNAL OF SUPERCOMPUTING DOI: 10.1007/s11227-021-03991-2 Early Access Date: JUL 2021
Accession Number: WOS:000675030800001
ISSN: 0920-8542
eISSN: 1573-0484

Title: A transfer learning-based efficient spatiotemporal human action recognition framework for long and overlapping action classes

Author(s): Bilal, M (Bilal, Muhammad); Maqsood, M (Maqsood, Muazzam); Yasmin, S (Yasmin, Sadaf); Ul Hasan, N (Ul Hasan, Najam); Rho, S (Rho, Seungmin)
Source: JOURNAL OF SUPERCOMPUTING DOI: 10.1007/s11227-021-03957-4 Early Access Date: JUL 2021
Accession Number: WOS:000673635300003
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Maqsood, Muazzam AAW-1539-2021
Maqsood, Muazzam 0000-0002-2709-0849
ISSN: 0920-8542
eISSN: 1573-0484

Title: Sybil attack detection and secure data transmission in VANET using CMEHA-DNN and MD5-ECC

Author(s): Velayudhan, NC (Velayudhan, Nitha C.); Anitha, A (Anitha, A.); Madanan, M (Madanan, Mukesh)
Source: JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING DOI: 10.1007/s12652-021-03379-3
Early Access Date: JUL 2021
Accession Number: WOS:000672981700001
ISSN: 1868-5137
eISSN: 1868-5145

Title: 2021 Abel Prize

Author(s): Khan, SA (Khan, Sameen Ahmed)
Source: CURRENT SCIENCE Volume: 121 Issue: 1 Pages: 16-16 Published: JUL 10 2021
Accession Number: WOS:000671547300017
Author Identifiers:
Author Web of Science ResearcherID ORCID Number
Khan, Sameen Ahmed K-6146-2013 0000-0003-1264-2302
ISSN: 0011-3891

Title: A 1D photonic crystal-based sensor for detection of cancerous blood cells

Author(s): Abohassan, KM (Abohassan, Khedr M.); Ashour, HS (Ashour, Hassan S.); Abadla, MM (Abadla, Mazen M.)
Source: OPTICAL AND QUANTUM ELECTRONICS Volume: 53 Issue: 7 Article Number: 356 DOI: 10.1007/s11082-021-03014-7 Published: JUL 2021
Accession Number: WOS:000691530300003
ISSN: 0306-8919
eISSN: 1572-817X

Title: An Evaluation of the Accuracy of the Machine Translation Systems of Social Media Language: Google's Arabic-English Translation as an Example

Author(s): Sabtan, YMN (Sabtan, Yasser Muhammad Naguib); Hussein, MSM (Hussein, Mohamed Saad Mahmoud); Ethelb, H (Ethelb, Hamza); Omar, A (Omar, Abdulfattah)
Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 12 Issue: 7
Pages: 406-415 Published: JUL 2021
Accession Number: WOS:000686175500046
ISSN: 2158-107X
eISSN: 2156-5570

Title: Image Encryption Enabling Chaotic Ergodicity with Logistic and Sine Map

Author(s): Khan, MA (Khan, Mohammad Ahmar); Khan, J (Khan, Jalaluddin); Alghamdi, AA (Alghamdi, Abdulrahman Abdullah); Saidan, SMAB (Saidan, Sarah Mohammed Awadh Bait)
Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 12 Issue: 7
Pages: 437-442 Published: JUL 2021
Accession Number: WOS:000686175500050
ISSN: 2158-107X
eISSN: 2156-5570

Title: Development and Characterization of Yeast-Incorporated Antimicrobial Cellulose Biofilms for Edible Food Packaging Application

Author(s): Atta, OM (Atta, Omar Mohammad); Manan, S (Manan, Sehrish); Ahmed, AAQ (Ahmed, Abeer Ahmed Qaed); Awad, MF (Awad, Mohamed F.); Ul-Islam, M (Ul-Islam, Mazhar); Subhan, F (Subhan, Fazli); Ullah, MW (Ullah, Muhammad Wajid); Yang, G (Yang, Guang)
Source: POLYMERS Volume: 13 Issue: 14 Article Number: 2310 DOI: 10.3390/polym13142310 Published: JUL 2021
Accession Number: WOS:000677110400001
PubMed ID: 34301067
eISSN: 2073-4360

Title: Rural women entrepreneurs in Oman: problems and opportunities

Author(s): Ghouse, SM (Ghouse, Suhail M.); Durrah, O (Durrah, Omar); McElwee, G (McElwee, Gerard)

Source: INTERNATIONAL JOURNAL OF ENTREPRENEURIAL BEHAVIOR & RESEARCH DOI: 10.1108/IJEBr-03-2021-0209 Early Access Date: JUL 2021

Accession Number: WOS:000669951100001

Author Identifiers:

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McElwee, Gerard 0000-0001-6905-4443

Durrah, Omar 0000-0002-8923-9450

ISSN: 1355-2554

eISSN: 1758-6534

Title: Screening and assessment of molecular mechanistic actions of 5-hydroxy-1-methylpiperidin-2-one against free radicals, lung cancer cell line (A549), and binding properties on bovine serum albumin

Author(s): Yadav, SA (Yadav, Sangilimuthu Alagar); Faruck, LH (Faruck, Lukmanul Hakkim); Subramaniam, R (Subramaniam, Rajagopal); Surendren, LK (Surendren, Lakshmi K.); Bakshi, H (Bakshi, Hamid)

Source: FUTURE JOURNAL OF PHARMACEUTICAL SCIENCES

Volume: 7 Issue: 1 Article Number: 129 DOI: 10.1186/s43094-021-00277-5

Published: JUN 29 2021

Accession Number: WOS:000669615600002

ISSN: 2314-7245

eISSN: 2314-7253

Title: Toward an Intelligent Driving Behavior Adjustment Based on Legal Personalized Policies Within the Context of Connected Vehicles

Author(s): Outay, F (Outay, Fatma); Jabeur, N (Jabeur, Nafaa); Haddad, H (Haddad, Hedi); Bouyahia, Z (Bouyahia, Zied); Gharrad, H (Gharrad, Hana)

Source: FRONTIERS IN BUILT ENVIRONMENT

Volume: 7 Article Number: 686732 DOI: 10.3389/fbuil.2021.686732

Published: JUN 17 2021

Accession Number: WOS:000668624200001

eISSN: 2297-3362

Title: Behaviour of woven-ply PPS thermoplastic laminates with interacting circular holes under tensile loading: An experimental and numerical study

Author(s): Kouka, MA (Kouka, Mohamed Ali); Abbassi, F (Abbassi, Fethi); Demiral, M (Demiral, Murat); Ahmad, F (Ahmad, Furqan); Soula, M (Soula, Mohamed); Al Housni, F (Al Housni, Fadhil)

Source: ENGINEERING FRACTURE MECHANICS

Volume: 251 Article Number: 107802 DOI: 10.1016/j.engfracmech.2021.107802

Published: JUN 15 2021

Accession Number: WOS:000661078600003

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Demiral, Murat 0000-0002-7206-1713

ISSN: 0013-7944

eISSN: 1873-7315

Title: Sources, chemistry, bioremediation and social aspects of arsenic-contaminated waters: a review

Author(s): Mehdi, SEH (Mehdi, Syed Ejaz Hussain); Amen, R (Amen, Rabia); Ali, A (Ali, Awais); Anjum, H (Anjum, Hirra); Mahmood, A (Mahmood, Abid); Mubashir, M (Mubashir, Muhammad); Mukhtar, A (Mukhtar, Ahmad); Ullah, S (Ullah, Sami); Al-Sehemi, AG (Al-Sehemi, Abdullah G.); Ibrahim, M (Ibrahim, Muhammad); Khan, MS (Khan, Mohd Shariq); Qyyum, MA (Qyyum, Muhammad Abdul); Show, PL (Show, Pau Loke)

Source: ENVIRONMENTAL CHEMISTRY LETTERS DOI: 10.1007/s10311-021-01254-3

Early Access Date: JUN 2021

Accession Number: WOS:000660348300001

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

al-sehemi, Abdullah AAM-4039-2020

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Ullah, Sami P-5578-2016 0000-0002-9669-5737

ISSN: 1610-3653

eISSN: 1610-3661

Title: The impacts of interaction of audit litigation and ownership structure on audit quality

Author(s): AL Abdullah, RJ (AL Abdullah, Riyadh Jassim); AL Ani, MK (AL Ani, Mawih Kareem)

Source: FUTURE BUSINESS JOURNAL Volume: 7 Issue: 1 Article Number: 19 DOI: 10.1186/s43093-021-00067-8

Published: JUN 9 2021

Accession Number: WOS:000660876500001

ISSN: 2314-7202

eISSN: 2314-7210

Title: Facile synthesis of copper oxide nanoparticles-decorated polyaniline nanofibers with enhanced electrochemical performance as supercapacitor electrode

Author(s): Ahmad, MW (Ahmad, Md. Wasi); Anand, S (Anand, Surbhi); Fatima, A (Fatima, Atiya); Yang, DJ (Yang, Duck-Joo); Choudhury, A (Choudhury, Arup)

Source: POLYMERS FOR ADVANCED TECHNOLOGIES DOI: 10.1002/pat.5414 Early Access Date: JUN 2021

Accession Number: WOS:000657774900001

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Choudhury, Arup O-2445-2017 0000-0001-8266-3171

ISSN: 1042-7147

eISSN: 1099-1581

Title: Integration of Identity Governance and Management Framework within Universities for Privileged Users

Author(s): Parveen, S (Parveen, Shadma); Ahmad, S (Ahmad, Sultan); Khan, MA (Khan, Mohammad Ahmar)

Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 12 Issue: 6 Pages: 555-562 Published: JUN 2021

Accession Number: WOS:000686178900064

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

AHMAD F-9146-2010 0000-0002-3198-7974

ISSN: 2158-107X

eISSN: 2156-5570

Title: Experimental Analysis of the Performances of Proton Exchange Membrane Fuel Cell Based Electric Vehicle

Author(s): Farhani, S (Farhani, Slah); Barhoumi, E (Barhoumi, El Manaa); Bacha, F (Bacha, Faouzi); Djerdir, A (Djerdir, Abdeslem)

Source: INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH Volume: 11 Issue: 2 Pages: 514-522 Published: JUN 2021

Accession Number: WOS:000663370500002

eISSN: 1309-0127

Title: Synthesising Privacy by Design Knowledge Toward Explainable Internet of Things Application Designing in Healthcare

Author(s): Alkhariji, L (Alkhariji, Lamy); Alhirabi, N (Alhirabi, Nada); Alraja, MN (Alraja, Mansour Naser); Barhamgi, M (Barhamgi, Mahmoud); Rana, O (Rana, Omer); Perera, C (Perera, Charith)

Source: ACM TRANSACTIONS ON MULTIMEDIA COMPUTING COMMUNICATIONS AND APPLICATIONS Volume: 17 Issue: 2 Special Issue: SI Article Number: 62 DOI: 10.1145/3434186 Supplement: S Published: JUN 2021

Accession Number: WOS:000667464100005

Author Identifiers:

Author Web of Science ResearcherID ORCID Number

Rana, Omer E-4314-2015 0000-0003-3597-2646

ISSN: 1551-6857

eISSN: 1551-6865

Title: The Effect of Work Safety on Organizational Social Sustainability Improvement in the Healthcare Sector: The Case of a Public Sector Hospital in Pakistan

Author(s): Ullah, Z (Ullah, Zia); Sulaiman, MABA (Sulaiman, Mohammed Ali Bait Ali); Ali, SB (Ali, Syed Babar); Ahmad, N (Ahmad, Naveed); Scholz, M (Scholz, Miklas); Han, H (Han, Heesup)

Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH Volume: 18 Issue: 12 Article Number: 6672 DOI: 10.3390/ijerph18126672 Published: JUN 2021

Accession Number: WOS:000665984200001

PubMed ID: 34205758

Title: Teaching Irrational Numbers Through Trigonometry

Author(s): Khan, SA (Khan, Sameen Ahmed)

Source: RESONANCE-JOURNAL OF SCIENCE EDUCATION Volume: 26 Issue: 6 Pages: 813-827 DOI: 10.1007/s12045-021-1181-5 Published: JUN 2021

Accession Number: WOS:000668182300007

ISSN: 0971-8044

eISSN: 0973-712X

Title: Catalytic Membrane Reactors: The Industrial Applications Perspective

Author(s): Algieri, C (Algieri, Catia); Coppola, G (Coppola, Gerardo); Mukherjee, D (Mukherjee, Debolina); Shammass, MI (Shammass, Mahaad Issa); Calabro, V (Calabro, Vincenza); Curcio, S (Curcio, Stefano); Chakraborty, S (Chakraborty, Sudip)

Source: CATALYSTS Volume: 11 Issue: 6 Article Number: 691 DOI: 10.3390/catal11060691 Published: JUN 2021

Accession Number: WOS:000665350100001

eISSN: 2073-4344

Title: Closed-Loop Supply Chain Design and Pricing in Competitive Conditions by Considering the Variable Value of Return Products Using the Whale Optimization Algorithm

Author(s): Shabbir, MS (Shabbir, Muhammad Salman); Siddiqi, AF (Siddiqi, Ahmed Faisal); Yapanto, LM (Yapanto, Lis M.); Tonkov, EE (Tonkov, Evgeny E.); Poltarykhin, AL (Poltarykhin, Andrey Leonidovich); Pilyugina, AV (Pilyugina, Anna Valeryevna); Petrov, AM (Petrov, Aleksandr Mikhailovich); Foroughi, A (Foroughi, Amin); Valiullina, DA (Valiullina, Dinara A.)

Source: SUSTAINABILITY Volume: 13 Issue: 12 Article Number: 6663 DOI: 10.3390/su13126663 Published: JUN 2021

Accession Number: WOS:000666362600001

Title: Flexural Performance of RC Beams Strengthened with Externally-Side Bonded Reinforcement (E-SBR) Technique Using CFRP Composites

Author(s): Hosen, MA (Hosen, Md. Akter); Althoey, F (Althoey, Fadi); Jumaat, MZ (Jumaat, Mohd Zamin); Alengaram, UJ (Alengaram, U. Johnson); Sulong, NHR (Sulong, N. H. Ramli)

Source: MATERIALS Volume: 14 Issue: 11 Article Number: 2809 DOI: 10.3390/ma14112809 Published: JUN 2021

Accession Number: WOS:000661224400001

PubMed ID: 34070373

Author Identifiers:

eISSN: 1996-1944

Title: WhatsApp! Does Culture Matter to Persuasive System Design and Brand Loyalty?

Author(s): Faisal, S (Faisal, Serri); Allil, K (Allil, Kamaal); Hamid, NAA (Hamid, Nor Aziati Abdul); Abdullah, NH (Abdullah, Nor Hazana)

Source: SUSTAINABILITY Volume: 13 Issue: 11 Article Number: 5800 DOI: 10.3390/su13115800 Published: JUN 2021

Accession Number: WOS:000660737500001

eISSN: 2071-1050

Title: A low-cost three-dimensional reconstruction and monitoring system using digital fringe projection

Author(s): Ullah, F (Ullah, Furqan); Miran, S (Miran, Sajjad); Ahmad, F (Ahmad, Furqan); Ullah, I (Ullah, Irfan)

Source: TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING Volume: 45 Issue: 2 Pages: 331-345 DOI: 10.1139/tcsme-2020-0049 Published: JUN 2021

Accession Number: WOS:000656293900013

ISSN: 0315-8977

Title: THE EFFECT OF ENTREPRENEURIAL CHARACTERISTICS ON THE ENTREPRENEURIAL INTENTION OF UNIVERSITY STUDENTS IN OMAN and SUDAN

Author(s): Atiya, T (Atiya, Tariq); Osman, Z (Osman, Zaroug)

Source: ENTREPRENEURSHIP AND SUSTAINABILITY ISSUES Volume: 8 Issue: 4 Pages: 217-234 DOI: 10.9770/jesi.2021.8.4(12) Published: JUN 2021

Accession Number: WOS:000652476900012

ISSN: 2345-0282

Title: Chemical Composition, Antibacterial Activity, and Antibiotic Potentiation of Boswellia sacra Flueck. Oleoresin Extracts from the Dhofar Region of Oman

Author(s): Rashan, L (Rashan, Luay); White, A (White, Alan); Haulet, M (Haulet, Manon); Favelin, N (Favelin, Nicolas); Das, P (Das, Parag); Cock, IE (Cock, Ian Edwin)

Source: EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE Volume: 2021 Article Number: 9918935 DOI: 10.1155/2021/9918935 Published: MAY 25 2021

Accession Number: WOS:000668974600002

PubMed ID: 34122610

eISSN: 1741-4288

Title: Numerical investigation to evaluate the energy effect on the impact resistance of an aircraft carbon fiber-reinforced polymer composite

Author(s): Ahmad, F (Ahmad, Furqan); Mehboob, H (Mehboob, Hassan); Abbassi, F (Abbassi, Fethi); Hong, JW (Hong, Jung-Wuk); Zghal, J (Zghal, Jihed); Mehboob, A (Mehboob, Ali)

Source: MECHANICS OF ADVANCED MATERIALS AND STRUCTURES DOI: 10.1080/15376494.2021.1931731 Early Access Date: MAY 2021

Accession Number: WOS:000655617800001

ISSN: 1537-6494

eISSN: 1537-6532

Title: The nexus between environmental regulations, economic growth, and environmental sustainability: linking environmental patents to ecological footprint reduction in South Asia

Author(s): Murshed, M (Murshed, Muntasir); Rahman, MA (Rahman, Md Aminur); Alam, MS (Alam, Md Shabbir); Ahmad, P (Ahmad, Paiman); Dagar, V (Dagar, Vishal)
Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH DOI: 10.1007/s11356-021-13381-z Early Access
Date: MAY 2021
Accession Number: WOS:000646961200003
PubMed ID: 33945092
eISSN: 1614-7499

Title: An integrated framework for privacy protection in IoT-Applied to smart healthcare

Author(s): Alraja, MN (Alraja, Mansour Naser); Barhamgi, H (Barhamgi, Hanadi); Rattrout, A (Rattrout, Amjad); Barhamgi, M (Barhamgi, Mahmoud)
Source: COMPUTERS & ELECTRICAL ENGINEERING Volume: 91 Article Number: 107060 DOI: 10.1016/j.compeleceng.2021.107060 Published: MAY 2021
Accession Number: WOS:000691871700014
eISSN: 1879-0755

Title: Application of Artificial Intelligence powered digital writing assistant in higher education: randomized controlled trial

Author(s): Nazari, N (Nazari, Nabi); Shabbir, MS (Shabbir, Muhammad Salman); Setiawan, R (Setiawan, Roy)
Source: HELIYON Volume: 7 Issue: 5 Article Number: e07014 DOI: 10.1016/j.heliyon.2021.e07014 Published: MAY 2021
Accession Number: WOS:000663597600028
PubMed ID: 34027198
ISSN: 2405-8440

Title: Achieving Organizational Social Sustainability through Electronic Performance Appraisal Systems: The Moderating Influence of Transformational Leadership

Author(s): Ullah, Z (Ullah, Zia); Alvarez-Otero, S (Alvarez-Otero, Susana); Sulaiman, MABA (Sulaiman, Mohammed Ali Bait Ali); Sial, MS (Sial, Muhammad Safdar); Ahmad, N (Ahmad, Naveed); Scholz, M (Scholz, Miklas); Omhand, K (Omhand, Khaoula)
Source: SUSTAINABILITY Volume: 13 Issue: 10 Article Number: 5611 DOI: 10.3390/su13105611 Published: MAY 2021, Accession Number: WOS:000662494300001
eISSN: 2071-1050

Title: Analysis for Employment Preference of Undergraduate Accounting Students in Oman

Author(s): Mohammed, S (Mohammed, Shariq)
Source: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 10 Issue: 2 Pages: 825-831 DOI: 10.18421/TEM102-41 Published: MAY 2021
Accession Number: WOS:000657179100041
eISSN: 2217-8333

Title: A Contemporary Issue of Micro-Foundation of CSR, Employee Pro-Environmental Behavior, and Environmental Performance toward Energy Saving, Carbon Emission Reduction, and Recycling

Author(s): Yu, H (Yu, Hua); Shabbir, MS (Shabbir, Muhammad Salman); Ahmad, N (Ahmad, Naveed); Ariza-Montes, A (Ariza-Montes, Antonio); Vega-Munoz, A (Vega-Munoz, Alejandro); Han, H (Han, Heesup); Scholz, M (Scholz, Miklas); Sial, MS (Sial, Muhammad Safdar)
Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH Volume: 18 Issue: 10 Article Number: 5380 DOI: 10.3390/ijerph18105380 Published: MAY 2021
Accession Number: WOS:000654862700001
PubMed ID: 34070088
eISSN: 1660-4601

Title: Critical Factors for Acceptance of Social Commerce: A Case Study in Oman

Author(s): Farooque, M (Farooque, Murtaza); Almarhoon, S (Almarhoon, Shahrazad); Alharizi, S (Alharizi, Shamma); Mohammed, A (Mohammed, Aref)
Source: JOURNAL OF ASIAN FINANCE ECONOMICS AND BUSINESS Volume: 8 Issue: 5 Pages: 657-665 DOI: 10.13106/jafeb.2021.vol8.no5.0657 Published: MAY 2021
Accession Number: WOS:000648337300067
eISSN: 2288-4645

Title: A review on recent advances in hierarchically porous metal and metal oxide nanostructures as electrode materials for supercapacitors and non-enzymatic glucose sensors

Author(s): Hassan, IU (Hassan, Israr U.); Salim, H (Salim, Hiba); Naikoo, GA (Naikoo, Gowhar A.); Awan, T (Awan, Tasbiha); Dar, RA (Dar, Riyaz A.); Arshad, F (Arshad, Fareeha); Tabidi, MA (Tabidi, Mohammed A.); Das, R (Das, Ratnesh); Ahmed, W (Ahmed, Waqar); Asiri, AM (Asiri, Abdullah M.); Qurashi, AH (Qurashi, Ahsanul H.)
Source: JOURNAL OF SAUDI CHEMICAL SOCIETY Volume: 25 Issue: 5 Article Number: 101228 DOI: 10.1016/j.jscs.2021.101228 Published: MAY 2021
Accession Number: WOS:000646685300002
eISSN: 2212-4640

Title: The roles of nuclear energy, renewable energy, and economic growth in the abatement of carbon dioxide emissions in the G7 countries

Author(s): Nathaniel, SP (Nathaniel, Solomon Prince); Alam, MS (Alam, Md. Shabbir); Murshed, M (Murshed, Muntasir); Mahmood, H (Mahmood, Haider); Ahmad, P (Ahmad, Paiman)
Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 28 Issue: 35 Pages: 47957-47972 DOI: 10.1007/s11356-021-13728-6 Early Access Date: APR 2021 Published: SEP 2021
Accession Number: WOS:000644340100014
PubMed ID: 33900558
eISSN: 1614-7499

Title: Platinum degradation mechanisms in proton exchange membrane fuel cell (PEMFC) system: A review

Author(s): Okonkwo, PC (Okonkwo, Paul C.); Ige, OO (Ige, Oladeji O.); Barhoumi, E (Barhoumi, El Manaa); Uzoma, PC (Uzoma, Paul C.); Emori, W (Emori, Wilfred); Benamor, A (Benamor, Abdelbaki); Abdullah, AM (Abdullah, Aboubakr M.)
Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: 46 Issue: 29 Pages: 15850-15865 DOI: 10.1016/j.ijhydene.2021.02.078 Published: APR 26 2021
Accession Number: WOS:000641019500003
ISSN: 0360-3199
eISSN: 1879-3487

Title: 2021 King Faisal International Prize for Science and Medicine

Author(s): Khan, SA (Khan, Sameen Ahmed)
Source: CURRENT SCIENCE Volume: 120 Issue: 8 Pages: 1290-1290 Published: APR 25 2021
Accession Number: WOS:000643916000016
ISSN: 0011-3891

Title: Analysing environmental impact of large-scale events in public spaces with cross-domain multimodal data fusion

Author(s): De, S (De, Suparna); Wang, W (Wang, Wei); Zhou, YC (Zhou, Yuchao); Perera, C (Perera, Charith); Moessner, K (Moessner, Klaus); Alraja, MN (Alraja, Mansour Naser)
Source: COMPUTING Volume: 103 Issue: 9 Special Issue: SI Pages: 1959-1981 DOI: 10.1007/s00607-021-00944-8 Early Access Date: APR 2021 Published: SEP 2021
Accession Number: WOS:000639382800001
ISSN: 0010-485X
eISSN: 1436-5057

Title: A 1D binary photonic crystal sensor for detecting fat concentrations in commercial milk

Author(s): Abohassan, KM (Abohassan, Khedr M.); Ashour, HS (Ashour, Hassan S.); Abadla, MM (Abadla, Mazen M.)
Source: RSC ADVANCES Volume: 11 Issue: 20 Pages: 12058-12065 DOI: 10.1039/d1ra00955a Published: APR 6 2021
Accession Number: WOS:000634931200027
eISSN: 2046-2069

Title: Sustainability and financial performance relationship: international evidence

Author(s): Yilmaz, I (Yilmaz, Ilker)
Source: WORLD JOURNAL OF ENTREPRENEURSHIP MANAGEMENT AND SUSTAINABLE DEVELOPMENT Volume: 17 Issue: 3 Pages: 537-549 DOI: 10.1108/WJEMSD-10-2020-0133 Early Access Date: APR 2021 Published: JUL 26 2021
Accession Number: WOS:000637877900001
ISSN: 2042-5961
eISSN: 2042-597X

Title: Tapping into Bloom Taxonomy's Higher-Order Cognitive Processes: The Case for Multiple Choice Questions as a Valid Assessment Tool in the ESP Classroom

Author(s): Lenchuk, I (Lenchuk, Iryna); Ahmed, A (Ahmed, Amer)
Source: ARAB WORLD ENGLISH JOURNAL Special Issue: SI Pages: 160-171 DOI: 10.24093/awej/covid.12 Published: APR 2021
Accession Number: WOS:000678774000012
ISSN: 2229-9327

Title: Physical and Mechanical Characteristics of Sustainable Concrete Comprising Industrial Waste Materials as a Replacement of Conventional Aggregate

Author(s): Althoey, F (Althoey, Fadi); Hosen, MA (Hosen, Md. Akter)
Source: SUSTAINABILITY Volume: 13 Issue: 8 Article Number: 4306 DOI: 10.3390/su13084306 Published: APR 2021
Accession Number: WOS:000645338200001
eISSN: 2071-1050

Title: Battling COVID-19: The Effectiveness of Biometrics Towards Enhancing Security of Internet Banking in Malaysia

Author(s): Kassim, NM (Kassim, Normalini Md); Ramayah, T (Ramayah, T.); Mohamad, WN (Mohamad, Wan Normila); Shabbir, MS (Shabbir, Muhammad Salman)
Source: INTERNATIONAL JOURNAL OF ENTERPRISE INFORMATION SYSTEMS Volume: 17 Issue: 2 Pages: 71-91
DOI: 10.4018/IJEIS.2021040104 Published: APR-JUN 2021
Accession Number: WOS:000640145100004
ISSN: 1548-1115
eISSN: 1548-1123

Title: Potentiodynamic polarization test as a versatile tool for bipolar plates materials at start-up and shut-down environments: a review

Author(s): Okonkwo, PC (Okonkwo, Paul C.); Ben Belgacem, I (Ben Belgacem, Ikram); Ige, OO (Ige, Oladeji O.); Emori, W (Emori, Wilfred); Uzoma, PC (Uzoma, Paul C.); Eqbal, MO (Eqbal, Mohammad Omar); Bhowmik, H (Bhowmik, Himangshu)
Source: INTERNATIONAL JOURNAL OF GREEN ENERGY Volume: 18 Issue: 11 Pages: 1193-1202 DOI: 10.1080/15435075.2021.1904948 Early Access Date: MAR 2021 Published: SEP 2 2021
Accession Number: WOS:000634152700001
ISSN: 1543-5075
eISSN: 1543-5083

Title: The financial competition, concentration and structure of financial performance nexus in the financial sector of Oman

Author(s): Alshubiri, F (Alshubiri, Faris)
Source: ECONOMIC CHANGE AND RESTRUCTURING DOI: 10.1007/s10644-021-09326-8 Early Access Date: MAR 2021
Accession Number: WOS:000631770400001
ISSN: 1573-9414
eISSN: 1574-0277

Title: Closed-loop supply chain network design with sustainability and resiliency criteria

Author(s): Shabbir, MS (Shabbir, Muhammad Salman); Mahmood, A (Mahmood, Arshad); Setiawan, R (Setiawan, Roy); Nasirin, C (Nasirin, Chairun); Rusdiyanto, R (Rusdiyanto, Rusdiyanto); Gazali, G (Gazali, Gazali); Arshad, MA (Arshad, Mohd Anuar); Khan, S (Khan, Shahid); Batool, F (Batool, Fatima)
Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH DOI: 10.1007/s11356-021-12980-0 Early Access Date: MAR 2021
Accession Number: WOS:000630657000006
PubMed ID: 33742381
ISSN: 0944-1344
eISSN: 1614-7499

Title: Antibacterial and Catalytic Performance of Green Synthesized Silver Nanoparticles Embedded in Crosslinked PVA Sheet

Author(s): Aljohny, BO (Aljohny, Bassam Oud); Almaliki, AAA (Almaliki, Abdullah Abdulaziz Ali); Anwar, Y (Anwar, Yasir); UI-Islam, M (UI-Islam, Mazhar); Kamal, T (Kamal, Tahseen)
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Title: Developing and testing student engagement scale for higher educational students

Author(s): Siddiqi, AF (Siddiqi, Ahmed Faisal); Shabbir, MS (Shabbir, Muhammad Salman); Abbas, M (Abbas, Mazhar); Mahmood, A (Mahmood, Arshad); Salman, R (Salman, Rabia)
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Accession Number: WOS:000630332100001
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eISSN: 1758-1184

Title: Enhancement of mechanical and corrosion resistance properties of electrodeposited Ni-P-TiC composite coatings

Author(s): Fayyaz, O (Fayyaz, Osama); Khan, A (Khan, Adnan); Shakoor, RA (Shakoor, R. A.); Hasan, A (Hasan, Anwarul); Yusuf, MM (Yusuf, Moinuddin M.); Montemor, MF (Montemor, M. F.); Rasul, S (Rasul, Shahid); Khan, K (Khan, Kashif); Faruque, MRI (Faruque, M. R. I.); Okonkwo, PC (Okonkwo, Paul C.)
Source: SCIENTIFIC REPORTS Volume: 11 Issue: 1 Article Number: 5327 DOI: 10.1038/s41598-021-84716-6 Published: MAR 5 2021
Accession Number: WOS:000627411200003
PubMed ID: 33674680
ISSN: 2045-2322

Title: Genotoxic and cytotoxic effect of chitinase against Corcyra cephalonica larvae under laboratory conditions

Author(s): Vijayakumar, N (Vijayakumar, Nithin); Nalini, M (Nalini, Madanagopal); Rajkuberan, C (Rajkuberan, Chandrasekaran); Faruck, LH (Faruck, Lukmanul Hakkim); Bakshi, H (Bakshi, Hamid); Sangilimuthu, AY (Sangilimuthu, Alagar Yadav)

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Title: Using Parallel Corpora in the Translation Classroom: Moving towards a Corpus-driven Pedagogy for Omani Translation Major Students

Author(s): Alhassan, A (Alhassan, Awad); Sabtan, YMN (Sabtan, Yasser Muhammad Naguib); Omar, L (Omar, Lamis)

Source: ARAB WORLD ENGLISH JOURNAL Volume: 12 Issue: 1 Pages: 40-58 DOI: 10.24093/awej/vol12no1.4 Published: MAR 2021

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Title: Utilizing Learners' Linguistic Landscape as a Pedagogical Resource in the Translation Classroom: A case study in the Sultanate of Oman

Author(s): Algryani, A (Algryani, Ali); Syahrin, S (Syahrin, Syerina)

Source: ARAB WORLD ENGLISH JOURNAL Volume: 12 Issue: 1 Pages: 357-373 DOI: 10.24093/awej/vol12no1.24 Published: MAR 2021

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ISSN: 2229-9327

Title: Correlation between the Profitability and Working Capital Practices: A Case Study in the Gulf Cooperation Council

Author(s): Khan, MAI (Khan, Mohammed Abdul Imran); Alam, MS (Alam, Md Shabbir); Syed, AJ (Syed, Ahsan Jamil)

Source: JOURNAL OF ASIAN FINANCE ECONOMICS AND BUSINESS Volume: 8 Issue: 3 Pages: 229-235 DOI: 10.13106/jafeb.2021.vol8.no3.0229 Published: MAR 2021

Accession Number: WOS:000639112300024

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Title: Enterprise Systems in the Post-Implementation Phase: An Emergent Organizational Perspective

Author(s): Hammami, S (Hammami, Samir); Alkhalidi, F (Alkhalidi, Firas)

Source: JOURNAL OF ASIAN FINANCE ECONOMICS AND BUSINESS Volume: 8 Issue: 3 Pages: 619-628 DOI: 10.13106/jafeb.2021.vol8.no3.0619 Published: MAR 2021

Accession Number: WOS:000639112300061

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Title: Personal Remittances: An Empirical Study in Oman

Author(s): Uddin, MA (Uddin, Mohammad Ahmar); Alam, MS (Alam, Md Shabbir)

Source: JOURNAL OF ASIAN FINANCE ECONOMICS AND BUSINESS Volume: 8 Issue: 3 Pages: 917-929 DOI: 10.13106/jafeb.2021.vol8.no3.0917 Published: MAR 2021

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Title: The Effect of Sustainable Dimensions on the Financial Performance of Commercial Banks: A Comparative Study in Emerging Markets

Author(s): Tawfik, OI (Tawfik, Omar Ikkal); Kamar, SH (Kamar, Saifaldin Hashim); Bilal, ZO (Bilal, Zaroug Osman)

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Title: Design and hardware investigation of a new configuration of an isolated DC-DC converter for fuel cell vehicle

Author(s): Farhani, S (Farhani, Slah); Barhoumi, E (Barhoumi, El Manaa); Bacha, F (Bacha, Faouzi)

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Title: Mapping Applied Linguistics: A guide for students and practitioners

Author(s): Lenchuk, I (Lenchuk, Iryna)

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Title: Quantum mechanics of round magnetic electron lenses with Glaser and power law model of B(z)

Author(s): Khan, SA (Khan, Sameen Ahmed); Jagannathan, R (Jagannathan, Ramaswamy)

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Title: Anti-Inflammatory Effects of a Polyphenol, Catechin-7,4 '-O-Digallate, from Woodfordia uniflora by Regulating NF-kappa B Signaling Pathway in Mouse Macrophages

Author(s): Kim, EJ (Kim, Eui Jin); Seo, JB (Seo, Ji Bin); Yu, JS (Yu, Jae Sik); Lee, S (Lee, Seoyoung); Lim, JS (Lim, Jae Sung); Choi, JU (Choi, Jeong Uk); Lee, CM (Lee, Chang-Min); Rashan, L (Rashan, Luay); Kim, KH (Kim, Ki Hyun); Cho, YC (Cho, Young-Chang)

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Title: Exploring the Impact of the COVID-19 Pandemic on University Students' Learning Life: An Integrated Conceptual Motivational Model for Sustainable and Healthy Online Learning

Author(s): Al-Kumaim, NH (Al-Kumaim, Nabil Hasan); Alhazmi, AK (Alhazmi, Abdulsalam K.); Mohammed, F (Mohammed, Fathey); Gazem, NA (Gazem, Nadhmi A.); Shabbir, MS (Shabbir, Muhammad Salman); Fazea, Y (Fazea, Yousef)

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Title: Boswellic acids: privileged structures to develop lead compounds for anticancer drug discovery

Author(s): Hussain, H (Hussain, Hidayat); Ali, I (Ali, Iftikhar); Wang, DJ (Wang, Daijie); Hakkim, FL (Hakkim, Faruck L.); Westermann, B (Westermann, Bernhard); Rashan, L (Rashan, Luay); Ahmed, I (Ahmed, Ishtiaq); Green, IR (Green, Ivan R.)

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Title: Banks' Performance and Economic Growth in India: A Panel Cointegration Analysis

Author(s): Alam, MS (Alam, Md. Shabbir); Rabbani, MR (Rabbani, Mustafa Raza); Tausif, MR (Tausif, Mohammad Rumzi); Abey, J (Abey, Joji)

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Author(s): Abohassan, KM (Abohassan, Khedr M.); Ashour, HS (Ashour, Hassan S.); Abadla, MM (Abadla, Mazen M.)

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Author Identifiers:

ISSN: 2211-3797

Title: Pre-Silicon Verification Using Multi-FPGA Platforms: A Review

Author(s): Farooq, U (Farooq, Umer); Mehrez, H (Mehrez, Habib)

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Title: A Comparative Study of Geometrical Upscaling Methods for Inclusion of Fault Zone Structure into Upscaled Reservoir Simulation Models

Author(s): Islam, MS (Islam, Md. Saiful); Manzocchi, T (Manzocchi, Tom); Walsh, JJ (Walsh, John J.); Stern, D (Stern, David)

Source: NATURAL RESOURCES RESEARCH Volume: 30 Issue: 3 Pages: 2561-2573 DOI: 10.1007/s11053-021-09832-6 Early Access Date: FEB 2021 Published: JUN 2021

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Title: Anti-poliovirus activity of Nerium oleander aqueous extract

Author(s): Sanna, G (Sanna, Giuseppina); Madeddu, S (Madeddu, Silvia); Serra, A (Serra, Alessandra); Collu, D (Collu, David); Efferth, T (Efferth, Thomas); Hakkim, FL (Hakkim, F. Lukmanul); Rashan, L (Rashan, Luay)

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Author Identifiers:

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Title: Techno-economic sizing of renewable energy power system case study Dhofar Region-Oman

Author(s): Barhoumi, E (Barhoumi, El Manaa); Farhani, S (Farhani, Slah); Okonkwo, PC (Okonkwo, Paul C.); Zghaibeh, M (Zghaibeh, Manaf); Bacha, F (Bacha, Faouzi)

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Title: Estimating the macroeconomic determinants of total, renewable, and non-renewable energy demands in Bangladesh: the role of technological innovations

Author(s): Murshed, M (Murshed, Muntasir); Alam, MS (Alam, Md. Shabbir)

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Title: Sustaining Continuous Engagement in Value Co-creation Among Individuals in Universities Using Online Platforms: Role of Knowledge Self-Efficacy, Commitment and Perceived Benefits

Author(s): Al-kumaim, NH (Al-kumaim, Nabil Hasan); Alhazmi, AK (Alhazmi, Abdulsalam K.); Ramayah, T (Ramayah, T.); Shabbir, MS (Shabbir, Muhammad Salman); Gazem, NA (Gazem, Nadhmi A.)

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Title: TE Transmittance properties of one-dimensional symmetric quinary photonic crystals

Author(s): Ashour, HS (Ashour, Hassan S.); Abadla, MM (Abadla, Mazen M.); Abohassan, KM (Abohassan, Khedr M.)

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eISSN: 1362-3044

Title: Synthesis of silver nanoparticles-decorated poly(m-aminophenol) nanofibers and their application in a non-enzymatic glucose biosensor

Author(s): Ahmad, MW (Ahmad, Md Wasi); Verma, S (Verma, Sushil); Yang, DJ (Yang, Duck-Joo); Ul Islam, M (Ul Islam, Mazhar); Choudhury, A (Choudhury, Arup)

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eISSN: 1520-5738

Title: Ex situ Synthesis and Characterization of High Strength Multipurpose Bacterial Cellulose-Aloe vera Hydrogels

Author(s): Ul-Islam, M (Ul-Islam, Mazhar); Ahmad, F (Ahmad, Furqan); Fatima, A (Fatima, Atiya); Shah, N (Shah, Nasrullah); Yasir, S (Yasir, Somayia); Ahmad, MW (Ahmad, Md Wasi); Manan, S (Manan, Sehrish); Ullah, MW (Ullah, Muhammad Wajid)

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Title: Fuzzy Gamma-ideals in regular and intra-regular Gamma-AG-groupoids

Author(s): Rehman, I (Rehman, Inayatur); Razzaque, A (Razzaque, Asima); Gondal, MA (Gondal, Muhammad Asif); Shum, KP (Shum, Kar Ping)

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Title: A User-Centric Mechanism for Sequentially Releasing Graph Datasets under Blowfish Privacy

Author(s): Chicha, E (Chicha, Elie); Al Bouna, B (Al Bouna, Bechara); Nassar, M (Nassar, Mohamed); Chbeir, R (Chbeir, Richard); Haraty, RA (Haraty, Ramzi A.); Oussalah, M (Oussalah, Mourad); Benslimane, D (Benslimane, Djamal); Alraja, MN (Alraja, Mansour Naser)

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Author(s): Al Samman, H (Al Samman, Hazem); Jamil, SA (Jamil, Syed Ahsan)

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Title: Does Financial Behavior Influence Financial Well-being?

Author(s): Chavali, K (Chavali, Kavita); Mohan Raj, P (Mohan Raj, Prasanna); Ahmed, R (Ahmed, Riyaz)

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Title: Effect of Intangible Assets on the Value Relevance of Accounting Information: Evidence from Emerging Markets

Author(s): Al-Ani, MK (Al-Ani, Mawih Kareem); Tawfik, OI (Tawfik, Omar Ikbal)

Source: JOURNAL OF ASIAN FINANCE ECONOMICS AND BUSINESS Volume: 8 Issue: 2 Pages: 387-399 DOI: 10.13106/jafeb.2021.vol8.no2.0387 Published: FEB 2021

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Title: Mitigating infrastructure disaster losses through asset management practices in the Middle East and North Africa region

Author(s): Mastroianni, E (Mastroianni, Elyssa); Lancaster, J (Lancaster, James); Korkmann, B (Korkmann, Benjamin); Opdyke, A (Opdyke, Aaron); Beitelmal, W (Beitelmal, Wesam)

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ISSN: 2212-4209

Title: How Core Job Characteristics Impacts Employees' Creativity?

Author(s): Allil, K (Allil, Kamaal); Gharib, M (Gharib, Moaz); Durrah, O (Durrah, Omar); Alsatouf, M (Alsatouf, Mohammed)

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Title: Potential applications of bacterial cellulose and its composites for cancer treatment

Author(s): UI Islam, S (UI Islam, Salman); UI-Islam, M (UI-Islam, Mazhar); Ahsan, H (Ahsan, Haseeb); Ahmed, MB (Ahmed, Muhammad Bilal); Shehzad, A (Shehzad, Adeeb); Fatima, A (Fatima, Atiya); Sonn, JK (Sonn, Jong Kyung); Lee, YS (Lee, Young Sup)

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Title: Enhanced impact-resistance of aeronautical quasi-isotropic composite plates through diffused water molecules in epoxy

Author(s): Ahmad, F (Ahmad, Furqan); Abbassi, F (Abbassi, Fethi); Ul-Islam, M (Ul-Islam, Mazhar); Jacquemin, F (Jacquemin, Frederic); Hong, JW (Hong, Jung-Wuk)
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Title: The Environmental Kuznets Curve hypothesis for carbon and ecological footprints in South Asia: the role of renewable energy

Author(s): Murshed, M (Murshed, Muntasir); Haseeb, M (Haseeb, Mohammad); Alam, MS (Alam, Md Shabbir)
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Author(s): Abadla, MM (Abadla, Mazen M.); Abohassan, KM (Abohassan, Khedr M.); Ashour, HS (Ashour, Hassan S.)
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Accession Number: WOS:000600931700010
ISSN: 0921-4526
eISSN: 1873-2135

Title: Development of bactericidal spinel ferrite nanoparticles with effective biocompatibility for potential wound healing applications

Author(s): Rabbani, A (Rabbani, Atiya); Haghniaz, R (Haghniaz, Reihaneh); Khan, T (Khan, Taous); Khan, R (Khan, Romana); Khalid, A (Khalid, Ayesha); Naz, SS (Naz, Syeda Sohaila); Ul-Islam, M (Ul-Islam, Mazhar); Vajhadin, F (Vajhadin, Fereshteh); Wahid, F (Wahid, Fazli)
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eISSN: 2046-2069

Title: Deciphering the motives, barriers and integration of Syrian refugee entrepreneurs into Turkish society: a SEM approach

Author(s): Almohammad, D (Almohammad, Dawoud); Durrah, O (Durrah, Omar); Ahmed, F (Ahmed, Faisal)
Source: DIGITAL POLICY REGULATION AND GOVERNANCE Volume: 23 Issue: 1 Special Issue: SI Pages: 59-76
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Title: Biological and electrochemical studies of Co²⁺, Ni²⁺, Cu²⁺, Zn²⁺ and Cd²⁺ metal complexes of Schiff base ligand derived from 4-amino benzoic acid and isonicotinic hydrazide

Author(s): Kostı, P (Kostı, Pankaj); Naikoo, GA (Naikoo, Gowhar Ahmad); Das, R (Das, Ratnesh); Mishra, N (Mishra, Neha); Kashaw, S (Kashaw, Sushil)
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Accession Number: WOS:000606178300001
ISSN: 1735-207X
eISSN: 1735-2428

Title: Editorial Bio-nanocomposite for Medical and Environmental Applications

Author(s): Ul-Islam, M (Ul-Islam, Mazhar); Khan, SB (Khan, Sher Bahadar)
Source: CURRENT NANOSCIENCE Volume: 17 Issue: 3 Pages: 349-350 Published: 2021
Accession Number: WOS:000693074700001
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Title: Bacterial Cellulose: A Versatile Material for Fabrication of Conducting Nanomaterials

Author(s): Ul-Islam, M (Ul-Islam, Mazhar); Yasir, S (Yasir, Sumaiya); Mombasawala, L (Mombasawala, Laiqahmed); Manan, S (Manan, Sehrish); Ullah, MW (Ullah, Muhammad Wajid)
Source: CURRENT NANOSCIENCE Volume: 17 Issue: 3 Pages: 393-405 DOI: 10.2174/1573413716999201005214832 Published: 2021
Accession Number: WOS:000687834300004
ISSN: 1573-4137
eISSN: 1875-6786

Title: Designing a Hybrid Artificial Intelligent Clinical Decision Support System Using Artificial Neural Network and Artificial Bee Colony for Predicting Heart Failure Rate

Author(s): Madanan, M (Madanan, Mukesh); Zulkefli, NAM (Zulkefli, Nurul Akhmal Mohd); Velayudhan, NC (Velayudhan, Nitha C.)

Book Group Author(s): IEEE

Source: 2021 INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATION AND INFORMATICS (ICCCI) Book Series: International Conference on Computer Communication and Informatics DOI: 10.1109/ICCCI50826.2021.9457007 Published: 2021

Conference Title: 11th International Conference of Computer Communication and Informatics (ICCCI)

Conference Date: JAN 27-29, 2021

Conference Location: Sri Shakthi Inst Engn & Technol, Coimbatore, INDIA

ISSN: 2329-7190

ISBN: 978-1-7281-5875-4

Title: The smash of Parthenium hysterophorus L. in the grasslands of Oman

Author(s): Shammas, MI (Shammas, Mahaad Issa)

Source: PLANT SCIENCE TODAY Volume: 8 Issue: 2 Pages: 392-402 DOI: 10.14719/pst.2021.8.2.1103 Published: 2021

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ISSN: 2348-1900

Title: A Novel Framework for Multi-Classification of Guava Disease

Author(s): Almutiry, O (Almutiry, Omar); Ayaz, M (Ayaz, Muhammad); Sadad, T (Sadad, Tariq); Lali, IU (Lali, Ikram Ullah); Mahmood, A (Mahmood, Awais); Ul Hassan, N (Ul Hassan, Najam); Dhahri, H (Dhahri, Habib)

Source: CMC-COMPUTERS MATERIALS & CONTINUA Volume: 69 Issue: 2 Pages: 1915-1926 DOI: 10.32604/cmc.2021.017702 Published: 2021

Accession Number: WOS:000677642400027

ISSN: 1546-2218

eISSN: 1546-2226

Title: Analysis of Hybrid Energy Power Arrangement for Salalah Community in Oman

Author(s): Okonkwo, PC (Okonkwo, Paul C.); Barhoumi, E (Barhoumi, El Manaa); Farhan, M (Farhan, Marwan)

Book Group Author(s): IEEE

Source: 2021 6TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY: GENERATION AND APPLICATIONS (ICREGA) Pages: 142-146 DOI: 10.1109/ICREGA50506.2021.9388223 Published: 2021

Accession Number: WOS:000668910300027

Conference Title: 6th International Conference on Renewable Energy - Generation and Applications (ICREGA)

Conference Date: FEB 02-04, 2021

Conference Location: United Arab Emirates Univ, Al Ain, U ARAB EMIRATES

Conference Sponsors: IEEE

ISBN: 978-1-7281-8301-5

Title: Economic Analysis and Comparison of Stand alone and Grid Connected Roof Top Photovoltaic Systems

Author(s): Barhoumi, E (Barhoumi, El Manaa); Farhani, S (Farhani, Slah); Okonkwo, PC (Okonkwo, Paul C.); Zghaibeh, M (Zghaibeh, Manaf); Al Housni, FK (Al Housni, Fadhil Khadoum); Bacha, F (Bacha, Faouzi)

Book Group Author(s): IEEE

Source: 2021 6TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY: GENERATION AND APPLICATIONS (ICREGA) Pages: 223-228 DOI: 10.1109/ICREGA50506.2021.9388224 Published: 2021

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Title: THE IMPACT OF INDIVIDUAL AND TECHNOLOGICAL FACTORS ON ONLINE CUSTOMER SATISFACTION AND REPURCHASE INTENTION: THE MODERATING ROLE OF EWOM AND PERSONALITY

Author(s): Sanyal, S (Sanyal, Shouvik); Hisam, MW (Hisam, Mohammed Wamique); Baawain, AMS (Baawain, Ali Mohsin Salim)

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Accession Number: WOS:000663045500002

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Title: INTERPLAY BETWEEN ACCOUNTING CONSERVATISM, AUDITING CONSERVATISM AND QUALITY OF EARNINGS IN OMAN

Author(s): Al Ani, MK (Al Ani, Mawih Kareem); Chong, HG (Chong, H. Gin)

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Author(s): Hammami, SM (Hammami, Samir Marwan); Ahmed, F (Ahmed, Faisal); Johny, J (Johny, Justin); Sulaiman, MABA (Sulaiman, Mohammed Ali Bait Ali)
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Title: Prevalence of Workplace Bullying among IT Professionals in India: A Comparison of Self-labelling and Behavioural Experience Method

Author(s): Ciby, MA (Ciby, Mariam Anil); Sahai, S (Sahai, Shikha)
Source: INTERNATIONAL TRANSACTION JOURNAL OF ENGINEERING MANAGEMENT & APPLIED SCIENCES & TECHNOLOGIES Volume: 12 Issue: 4 Article Number: 12A4F DOI: 10.14456/ITJEMAST.2021.69 Published: 2021
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Title: Remote Health Monitoring Using IoT-Based Smart Wireless Body Area Network

Author(s): Aadil, F (Aadil, Farhan); Mehmood, B (Mehmood, Bilal); Ul Hasan, N (Ul Hasan, Najam); Lim, S (Lim, Sangsoon); Ejaz, S (Ejaz, Sadia); Zaman, N (Zaman, Noor)
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Author(s): Sahai, S (Sahai, Shikha); Ciby, MA (Ciby, Mariam Anil)
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Author(s): Baig, I (Baig, Imran); Farooq, U (Farooq, Umer); Zghaibeh, M (Zghaibeh, Manaf); Ul Hasan, N (Ul Hasan, Najam); Sajid, A (Sajid, Ahthasham)
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Author(s): Sha, N (Sha, Nadia); Ismail, MY (Ismail, Mohammed Yousoof)
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Author(s): Al-Kumaim, NH (Al-Kumaim, Nabil Hasan); Hassan, SH (Hassan, Siti Hasnah); Shabbir, MS (Shabbir, Muhammad Salman); Almazroi, AA (Almazroi, Abdulwahab Ali); Abu Al-Rejal, HM (Abu Al-Rejal, Hussein Mohammed)
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Author(s): Ali, HIH (Ali, Holi Ibrahim Holi); Alhassan, A (Alhassan, Awad)
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Author(s): Okonkwo, PC (Okonkwo, Paul C.); Otor, C (Otor, Clement)

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Author(s): Ahmed, A (Ahmed, Amer); Lenchuk, I (Lenchuk, Iryna)

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Author(s): Alam, MS (Alam, Md. Shabbir); Agarwal, J (Agarwal, Jyoti)

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Author(s): Shabbir, MS (Shabbir, Muhammad Salman); Sulaiman, MABA (Sulaiman, Mohammed Ali Bait Ali); Al-Kumaim, NH (Al-Kumaim, Nabil Hasan); Mahmood, A (Mahmood, Arshad); Abbas, M (Abbas, Mazhar)
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Author(s): Khan, MS (Khan, Mohd Shariq); Qyyum, MA (Qyyum, Muhammad Abdul); Ali, W (Ali, Wahid); Wazwaz, A (Wazwaz, Aref); Ansari, KB (Ansari, Khursheed B.); Lee, M (Lee, Moonyong)
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Author(s): Anand, S (Anand, Surbhi); Ahmad, MW (Ahmad, Md Wasi); Al Saidi, AKA (Al Saidi, Abdullah Khamis Ali); Yang, DJ (Yang, Duck-Joo); Choudhury, A (Choudhury, Arup)
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Author(s): Durrah, O (Durrah, Omar); Chaudhary, M (Chaudhary, Monica)

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Author(s): Abbasi, SG (Abbasi, Saliha Gul); Shabbir, MS (Shabbir, Muhammad Salman); Abbas, M (Abbas, Mazhar); Tahir, MS (Tahir, Muhammad Sohail)

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Author(s): Mohammed, ZO (Mohammed, Zaroug Othman); Al Ani, MK (Al Ani, Mawih Kareem)

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Author(s): Abbasi, SG (Abbasi, Saliha Gul); Tahir, MS (Tahir, Muhammad Sohail); Abbas, M (Abbas, Mazhar); Shabbir, MS (Shabbir, Muhammad Salman)

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Author(s): Acar, G (Acar, Goksel); Coskun, A (Coskun, Ali)

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Author(s): Alam, N (Alam, Naushad); Al-AMRI, HA (Al-AMRI, Hanin Abdulrhman)

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Title: Injustice Perception and Work Alienation: Exploring the Mediating Role of Employee's Cynicism in Healthcare Sector

Author(s): Durrah, O (Durrah, Omar)

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Title: Economic analysis of cross-breed power arrangement for Salalah region in the Al-Khareef season

Author(s): Okonkwo, PC (Okonkwo, Paul C.); Barhoumi, E (Barhoumi, El Manaa); Murugan, S (Murugan, Srinivasan); Zghaibeh, M (Zghaibeh, Manaf); Otor, C (Otor, Clement); Abo-Khalil, AG (Abo-Khalil, Ahmed G.); Mohamed, AMA (Amer Mohamed, Adel Mohamed)

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ISSN: 22884637

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CONFERENCE NAME: 2020 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2020

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PUBLISHER: Korea Distribution Science Association (KODISA)

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OPEN ACCESS: All Open Access, Gold, Green

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Correction to: Effect of erosion on corrosion of API X120 steel in relation to erodent particle size

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PUBLISHER: Bentham Science Publishers

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DOCUMENT TYPE: Article

SOURCE: Scopus

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Bioteplate-mediated green synthesis and applications of nanomaterials

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[85098124104&doi=10.2174%2f1381612824999201105164531&partnerID=40&md5=2c20b2c6c37073eae32ea332200e974b](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098124104&doi=10.2174%2f1381612824999201105164531&partnerID=40&md5=2c20b2c6c37073eae32ea332200e974b)

DOI: 10.2174/1381612824999201105164531

PUBLISHER: Bentham Science Publishers

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SOURCE: Scopus

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DOI: 10.1080/2331186X.2020.1856764

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DOI: 10.13106/jafeb.2020.vol7.no9.499

PUBLISHER: Korea Distribution Science Association (KODISA)

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PUBLISHER: Trans Tech Publications Ltd

CONFERENCE NAME: International Conference on Geotechnical Engineering-Iraq, ICGE-Iraq 2020

CONFERENCE DATE: 19 February 2020 through 20 February 2020

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PUBLISHER: Korea Distribution Science Association (KODISA)

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OPEN ACCESS: All Open Access, Gold

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Hakkim, F.L., Bakshi, H.A., Khan, S., Nasef, M.M., Farzand, R., Sam, S., Rashan, L., Al-Baloshi, M.S., Abdo Hasson, S.S., Anwar, Jabri, A.A., McCarron, P.A., Tambuwala, M.M.

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1	د. محمد عبد الله الشوابكة	التعددية الحزبية في النظام السياسي والدستوري الأردني.	مجلة الحقوق والعلوم الإنسانية، المجلد 14، العدد 1، أبريل 2021. ص 315-339.
2	د. لونا فرجات	التأطير القانوني للدعاية الانتخابية في قانون الانتخاب الأردني رقم 2016/6، الكرب العقلي والتعويض عنه كآفة فوكوشيمو نموذجاً	المجلة القانونية، جامعة القاهرة، فرع الخرطوم، المجلد 8 العدد 14 لشهر نوفمبر 2020، ص 4878-4845 مجلة الحقوق والعلوم الإنسانية، المجلد 14/العدد 01 (2021) ص 185-202
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6	د. مسلم العوائد	أحكام جرائم الشيك في التشريع العماني والفلسطيني " دراسة تحليلية مقارنة" - قيد النشر العدالة الإجرائية للأحداث في مرحلة ما قبل المحاكمة في التشريع العماني ملاحم المعاملة الجنائية للطفل في القانون العماني	مجلة القانون والمجتمع- الجزائر مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية، كلية الحقوق، جامعة ظفار، 31-3-2021.
7	د. حازم أبو الحمد حمدي الشريف	الآفاق المستقبلية للطفولة والشباب العماني وإنعكاساتها في رؤية 20-40 مدى نجاعة الإجراءات الإدارية في ظل الظروف الطارئة دون الإضرار بمصالح الأفراد وحررياتهم إلا بقدر الصالح العام. التوازن المالي للعقود الإدارية -قيد التحكيم	مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية، كلية الحقوق، جامعة ظفار، 31-3-2021 مؤتمر: قراءة عامة لنظرية الظروف الطارئة في سياقة جائحة كورونا Covid 19، كلية الحقوق، جامعة ظفار، 7-4-2021.
8	د. أحمد الزين	قانون الطفل العماني ومدى توافقه مع الإتفاقية الدولية لحقوق الطفل -قيد النظر التداعيات الاقتصادية لفيروس كورونا "كوفيد19" على الإقتصاد العماني	مجلة العلوم القانونية والسياسية، كلية الحقوق والعلوم الساسية، جامعة الشهيد لخضر، الوادي، الجزائر. مجلة الأمانة، أكاديمية الشرطة، سلطنة عمان
9	د. محمد عبد الرزاق الهبي	حجية الطرق العلمية الحديثة لإثبات النسب ميراث الحمل والخنثى في ضوء المستجدات الطبية حق الطفل في الحضانه والرعاية في قانون الأحوال الشخصية وقانون الطفل العماني حماية الأطفال ذوي الإعاقة في التشريعات الدولية والقانون العماني- باحث ثائي تصرفات مريض كوفيد 19 بالبيع في ضوء الفقه الإسلامي والقانون العماني	المجلة المصرية للدراسات القانونية والاقتصادية، العدد السادس عشر، يناير 2021 المجلة العلمية لكلية الشريعة والقانون بأسبوط، جامعة الأزهر، العدد الثالث والثلاثون، الإصدار الثاني، يوليو 2021 مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية، كلية الحقوق، جامعة ظفار، 31-3-2021. مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية، كلية الحقوق، جامعة ظفار، 31-3-2021.
9	د. محمد عبد الرزاق الهبي	الرقابة على الأغذية المنتهية الصلاحية بين الشريعة والقانون العماني	مؤتمر: قراءة عامة لنظرية الظروف الطارئة في سياقة جائحة كورونا Covid 19، كلية الحقوق، جامعة ظفار، 7-4-2021. المجلة الجزائرية للقانون المقارن، مخبر القانون المقارن، كلية الحقوق والعلوم السياسية، جامعة تلمسان، الجزائر، العدد الثامن، 2020 جوان . مجلة العلوم القانونية والاجتماعية، جامعة زيان عاشور الجلفة، الجزائر، المجلد السادس، العدد الأول، مارس 2021 مجلة الدراسات الشرعية والقانونية، جامعة شندى، السودان
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		حقوق الطفل في الشريعة الإسلامية وحقوقه وإنهاء مراحلها	مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية ، كلية الحقوق ، جامعة ظفار، 31-3-2021.
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10	د. محمد المدني	الخصوصية التشريعية في القانون العماني -دراسة عن الحقوق المالية للطفل العماني	مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية ، كلية الحقوق ، جامعة ظفار، 31-3-2021.
		تفسير النص القانوني بين الإقتضاء الأصلي والإقتضاء التبعي	مؤتمر : قراءة عامة لنظرية الظروف الطارئة في سياقة جائحة كورونا Covid 19 ، كلية الحقوق ، جامعة ظفار، 7-4-2021.
		منهج القضاء السوداني في تفسير وتطبيق قانون الإجراءات المدنية، في ضوء السلطة التقديرية للقاضي	مركز جيل - مجلة جيل منشور بالعدد رقم (45) ديسمبر 2020م
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		الضوابط القانونية اللازمة لتفسير العقد وتحديد نطاق التزامات الطرفين- قيد التحكيم	مجلة جامعة شندى للبحوث والدراسات الشرعية والقانونية
		تحقيق مناط الحكم في القاعدة القانونية، مفهومه، أهميته، حالته- قيد النظر	مجلة الأمانة ، أكاديمية الشرطة ، سلطنة عمان
		الصياغة التشريعية وعلاقتها بالتحقق من مناط الحكم العام للقواعد القانونية- قيد الإعداد	
11	د. فيصل محجوب	وحدة التركة في القانون الدولي الخاص	المجلة التونسية للدراسات القانونية والسياسية ، كلية الحقوق والعلوم السياسية بسوسة ، تونس .
12	د. خالد أبوطه	ضوابط التجارة عبر الأنترنت وفق التشريع العماني في ظل جائحة كورونا	مؤتمر : قراءة عامة لنظرية الظروف الطارئة في سياقة جائحة كورونا Covid 19 ، كلية الحقوق ، جامعة ظفار، 7-4-2021.
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		جرائم الشيكات وفق القانون العماني - قيد الإعداد	
13	د. حمادي عبدالنور	الشخصية القانونية للطفل ودورها في توفير الحماية القانونية له	مؤتمر حماية الطفل وفق التشريع العماني والمعايير الدولية ، كلية الحقوق ، جامعة ظفار، 31-3-2021.
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		الإستثمار في عقد براءة الإختراع ومساهمته في تحقيق رؤية عُمان 2040- قيد التحكيم	مجلة الأمانة ، أكاديمية الشرطة ، سلطنة عمان
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Sameen Ahmed Khan, **Quantum Mechanical Techniques in Light-Beam Optics Frontiers in Optics / Laser Science**, United States, Washington

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