

DHOFAR UNIVERSITY RESEARCH GROUPS

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



DHOFAR UNIVERSITY
VISION FOR THE FUTURE

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

DHOFAR UNIVERSITY

OAAA ACCREDITED

ASIC ACCREDITED

QS 5 STAR RATED

Ranked second HEI in Oman by Webometrics

Ranked second Private HEI in Oman by ResearchGate

DHOFAR UNIVERSITY, SALALAH, OMAN

Dhofar University was established in 2004 and since then we are serving the community through exemplary education, research and community outreach. 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 2021 Ranking. Our researchers have been ranked among world top 2% scientists by Stanford.

- DU Research has been awarded “Satisfactory” Status by OAAA
- DU Research has been awarded “Commendable” Status by ASIC
- DU Research has been Graded “HIGH” in Research output by QS
- DU is the second highest RG Scorer among Private HEIs in Oman
- DU Ranked 1st Private HEI in Oman and 55th in Arab world for International Research Network by QS
- DU Ranked 1st Private HEI in Oman and 16th in Arab world for Publishing Papers by QS
- DU Ranked 1st in Private HEI and 2nd overall in Oman by Publion-Clarivate (Web of Science Reviewer Database)
- DU Ranked 1st in Private HEI and 2nd overall in Oman by Webometric World University Ranking 2021.



ENGAGEMENT



INNOVATION



IMPACT



Our Research Achievements



1,750 +

Publications

240 +

Publications/Year

1,020 +

Scopus Publications

689 +

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.

Dhofar University (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 received renowned national and international recognitions for its Research.



DU Institutional Collaborations around the Globe



FOUR COLLEGES AND A RESEARCH CENTRE

INTERNATIONALLY RECOGNIZED RESEARCH

DU have on its account more than 1500+ publications till date in internationally recognized journals indexed in prestigious databases, successfully secured funds for over 55 research projects from “The Research Council”, have an internationally registered patent, nearly 80 international and national research awards and much more. Both OAAA and ASIC has awarded the “Satisfactory” and “commendable” status to Research standards at DU respectively.



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

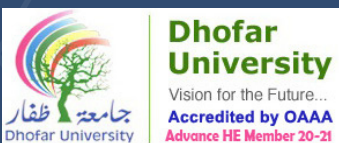
EDUCATION,
SCIENCES &
HUMANITIES

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



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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.



CONTACT US

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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

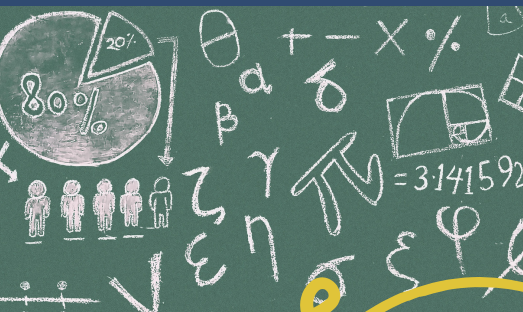
CONTEMPORARY EDUCATIONAL RESEARCH AND CONSULTANCY UNIT

تتكون هذه المجموعة من خبراء اكاديمين 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. نركز 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 الدولية لتبادل وتعزيز الخبرات ذات العلاقة بالبحث التربوي.

وحدة بحوث القضايا التربوية الحيوية

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

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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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