



**Template for Evidence(s)
UI GreenMetric Questionnaire**

University : Alexandria University
 Country : Egypt
 Web Address : www.alexu.edu.eg

[6] Education and Research (ED)

[6.20] Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Enhanced Learning Resources, Interactive Learning, Collaboration and Communication, Virtual Classrooms and Online Learning, Assessment and Evaluation, Research projects, Research and international collaborations, Staff members' Development, Administrative Efficiency	Research management software	Research focus documents, funding proposals	Nov 2023 - Dec 2023	Measurement and Evaluation Unit at Alexandria University, Faculty and Leadership Development Center (FLDC) at Alexandria University, Alexandria University Project Management Unit
Implementation	Apply Learning Resources, Fund and support research projects on sustainability	E-books, digital libraries, online content, virtual labs, and Multimedia content, Smartboards and interactive whiteboards, E-learning platforms, Enhancing research and fostering international collaborations	Project reports	Jan 2024- till now	Measurement and Evaluation Unit at Alexandria University, Faculty and Leadership Development Center (FLDC) at Alexandria University, Alexandria University Project Management Unit

Monitoring	Students grads, Track research progress and publication output	Automated assessments of grads students through the measurement and evaluation centre, Track the progress of sustainability research and the number of scholarly publications produced	Publication databases, progress reports	Ongoing	Measurement and Evaluation Unit at Alexandria University, Faculty and Leadership Development Center (FLDC) at Alexandria University, Alexandria University Project Management Unit
Evaluation	Evaluate the impact and quality of publications on sustainability, citation reports	Impact and quality of the publications on sustainability, citation analysis tools	Impact assessment, citation metrics	Annually	Measurement and Evaluation Unit at Alexandria University, Distinguished Scientific Publishing Office

Description:

- **Planning:** Enhanced Learning Resources, Interactive Learning, Collaboration and Communication, Virtual Classrooms and Online Learning, Assessment and Evaluation, Research projects, Research and international collaborations, Staff members' Development, Administrative Efficiency.
 - **Implementation:**
- A. Enhanced Learning Resources:**
- **E-books, digital libraries, online content, virtual labs, and Multimedia content** (videos, and 3D models) supports better understanding.





























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إمام العربية

Our Sources

Quick links to all resources and research tools on the EKB



[Back To Sources](#)

Description

Our business is publishing. With more than 2,900 journals and 200,000 books, Springer offers many opportunities for authors, customers and partners throughout the world, we provide scientific and professional communities with superior specialist information – produced by authors and colleagues across cultures in a nurtured collegial atmosphere of which we are justifiably proud. We foster communication among our customers – researchers, students and professionals – enabling them to work more efficiently, thereby advancing knowledge and learning. Our dynamic growth allows us to invest continually all over the world. We think ahead, move fast and promote change: creative business models, inventive products, and mutually beneficial international partnerships have established us as a trusted supplier and pioneer in the information age.

List of products :

- Springer, ADIS and Palgrave Macmillan Journals
- Nature Journals and Academic Journals on Nature.com
- Springer E Books
- Springer Nature Experiments (Springer Nature Protocols and Methods)
- Springer Materials
- Springer References
- Springer E-books Back files 1892-2005
- Springer Journals Archive 1832-1997
- ADIS Insight

SPRINGER NATURE

SPRINGER

Experiments

Nature Methods (2015)
Robust enumeration of cell subsets from tissue expression profiles

Authors: Aaron Weinreb^{1,2}, Chih-Long Liu^{1,4}, Michael R Gee^{1,2,3,4}, Andrew J Geniesis^{1,2}, ... Ash A Alizadeh^{1,2,3,4,5,6}

Show more details Citations: 5,152

PDF | HTML | Full Text

Abstract

We introduce CIBERSORT, a method for characterizing cell composition of complex tissues from their gene expression profiles. When applied to enumeration of hematopoietic subsets in RNA mixtures from fresh, frozen and fixed tissues, including solid... more

Figures (17) & Videos (0)

Figure 1: Overview of CIBERSORT and application to leukocyte deconvolution.

The Alexandria University signed an agreement to allow students to register and participate in the Egyptian Knowledge Bank, a national project aimed at providing high-quality research and educational materials to Egyptian citizens, especially students and researchers. The agreement allows any applicant to browse free of charge for publications, magazines, audiovisual libraries, photo libraries, software and books from around the world.



جامعة الإسكندرية فهرس مكتبات جامعة الإسكندرية Phone Email Twitter Facebook

أحجز موعد اتصل بنا الصفحة الرئيسية عن الوحدة الخدمات أدوات

وحدة المكتبة الرقمية

من المعرفة إلى الابتكار...

أحد مشاريع تطوير التعليم داخل الجامعة بهدف ميكنة مكتبات الجامعة وتطوير العمل بها وإتاحة جميع مقتنيات وخدمات المكتبات في صورة رقمية، وذلك في إطار مشروع تطوير التعليم العالي في جمهورية مصر العربية، حيث تم بناء اتحاد المكتبات الجامعية المصرية EULC في بداية عام 2006م والذي تشرف عليه وحدة المكتبات الرقمية بالمجلس الأعلى للجامعات، كأحد الوحدات التابعة لمركز الخدمات الإلكترونية والمعرفية بالمجلس الأعلى للجامعات.

Website: <https://dlib-alexu.com/>

One of the educational development projects within the university aims to automate the university libraries and enhance their operations, providing all library collections and services in digital form. This is part of the Higher Education Development Project in the Arab Republic of Egypt. The Egyptian Universities Libraries Consortium (EULC) was established at the beginning of 2006 under the supervision of the Digital Libraries Unit at the Supreme Council of Universities, as one of the units affiliated with the Electronic and Knowledge Services Center at the Supreme Council of Universities.

Innovation In Pedagogy and Aiding Distance Learning Center



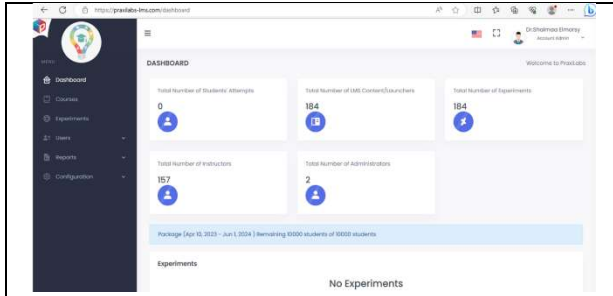
Alexandria University has initiated a new unit aimed at enhancing educational practices through technology, fostering innovation, and supporting internationalization. This unit will provide continuous access to educational resources for students, including those unable to attend classes regularly. Key objectives include developing electronic content for faculty, establishing training programs in distance learning, and promoting the recognition of online certifications. The initiative aims to attract African and international students and transform traditional educational practices through innovative teaching methods and technologies. The unit emphasizes development, innovation, and internationalization while ensuring quality assurance in e-learning aligned with global standards. This move positions Alexandria University as a leader in educational transformation, preparing students for future challenges.

<https://adip.alexu.edu.eg/index.php/en/>

Virtual Labs

- Virtual Labs were established in Alexandria University to give the opportunity for instructors and their students to practice various kinds of labs remotely without being physically present in the lab. Virtual Labs are 3D virtual labs for students to practice physics, biology and chemistry lab Experiments (attached example of the system used).






DASHBOARD

Welcome to ProLab

- Total Number of Student Attempts: 0
- Total Number of Content Authors: 184
- Total Number of Experiments: 184
- Total Number of Instructors: 157
- Total Number of Administrators: 2

Package (Apr 12, 2023 - Jun 1, 2024) Remaining: 8000 students of 8000 students

Experiments: No Experiments



Experiment Management

Filter: All Experiments

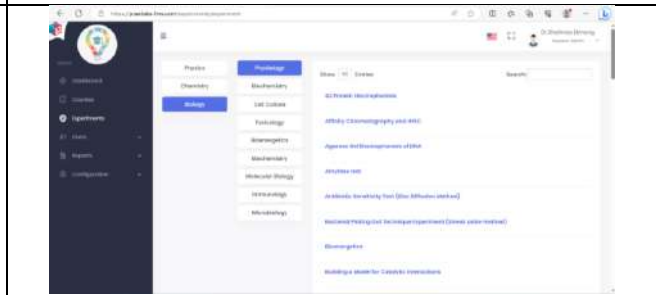
Experiment	Author	Status
ATC (Theoretical)	Dr. Shady Elmaghrabi	Published
ATC (Theoretical)	Dr. Shady Elmaghrabi	Published
ATC (Theoretical)	Dr. Shady Elmaghrabi	Published



ATC (Theoretical)

Related Experiments:

- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
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ATC (Theoretical)

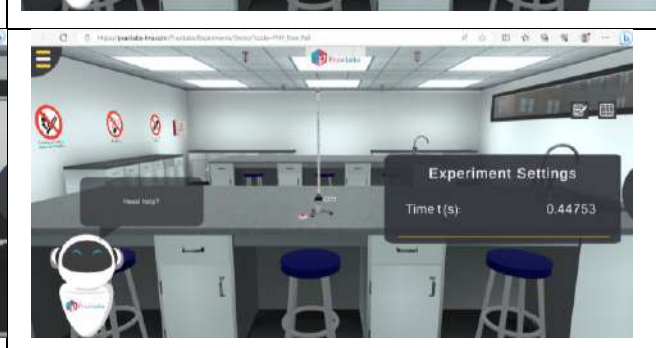
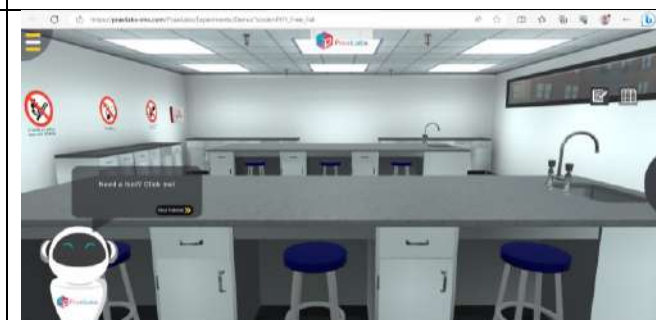
Related Experiments:

- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)
- ATC (Theoretical)



Available Instructors

ID	Name	Email	Phone Number	Actions
1	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
2	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
3	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
4	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
5	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
6	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
7	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]
8	Dr. Shady Elmaghrabi	shady@alex.edu.eg	01011111111	[Edit] [Delete]



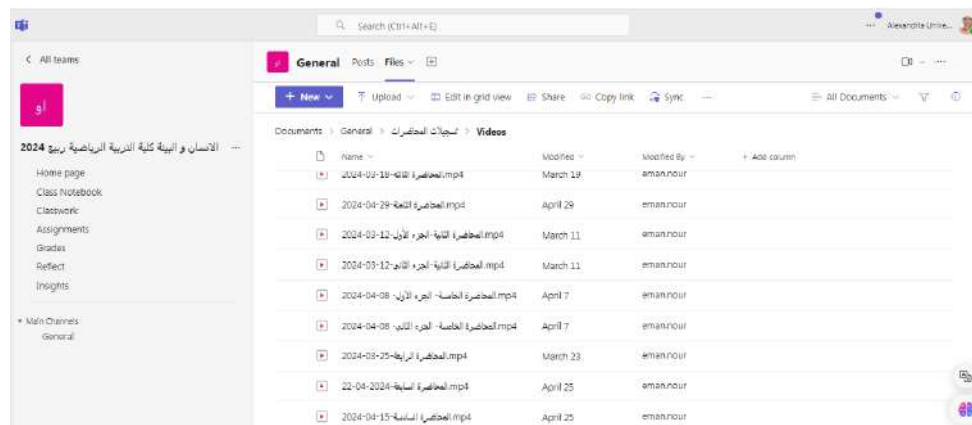
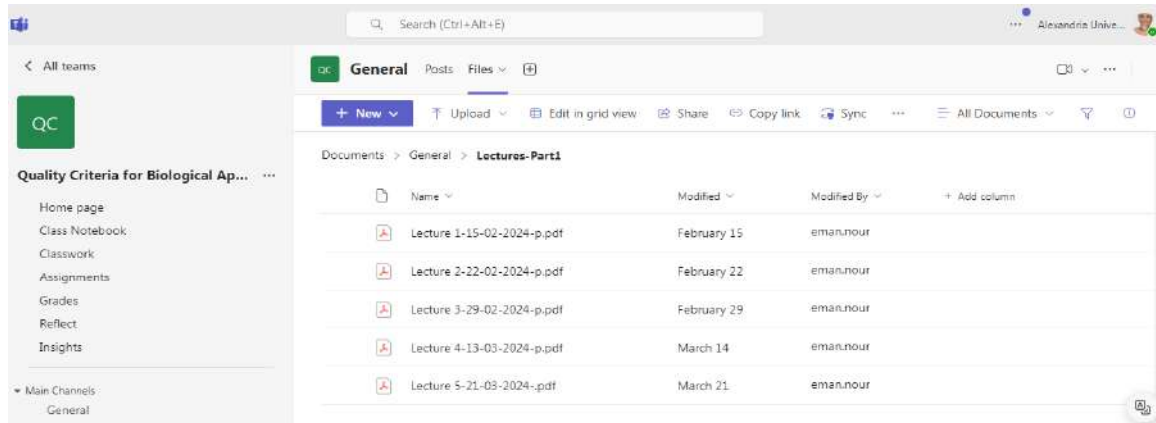
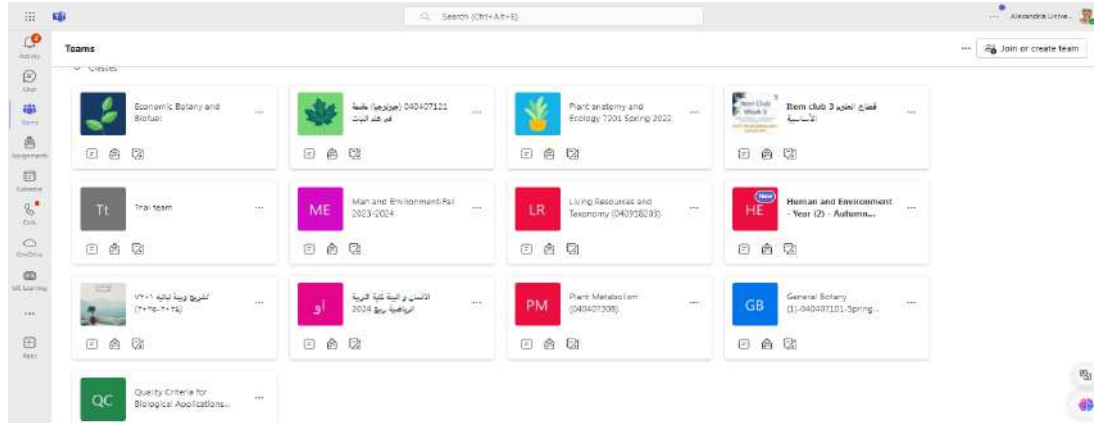
B. Interactive Learning:

- **Smartboards and interactive whiteboards** allow for engaging lessons, combining visuals, text, and interactive elements.



C. Collaboration and Communication:

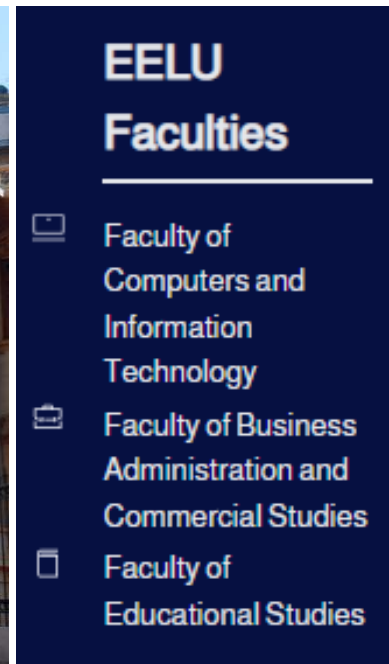
- Tools like **Thinqi**, **Google Classroom**, **Microsoft Teams**, and **Zoom** facilitate online collaboration, discussions, and group projects.





D. Virtual Classrooms and Online Learning:

- **E-learning platforms** provide flexibility in learning. Students can attend classes remotely, access materials at their convenience, and interact with instructors via forums and chatrooms.





The poster features a blue and white color scheme. At the top left is the EELU logo with the text 'جامعة مصرية للتعليم الإلكتروني' and 'THE EGYPTIAN E-LEARNING UNIVERSITY'. To its right are logos for the 'ACADEMY OF SCIENTIFIC RESEARCH AND TECHNOLOGY' and 'TICO Technology Innovation Commercialization Office'. The main title 'Online WORKSHOP' is in large, bold letters, followed by the subtitle '“UNLOCK YOUR IDEAS: WORKSHOP ON PATENTS AND INTELLECTUAL PROPERTY”'. Below this, the date and time '17 OCTOBER, 2024 05.00 PM' are displayed. A 'REGISTER NOW' button is prominent, with contact information: phone number '0233318516', email 'tico@eelu.edu.eg', and website 'www.eelu.edu.eg'. The central graphic shows a hand holding a book titled 'PATENT LAW' with a lightbulb icon, surrounded by icons of a padlock, a document, and a ribbon award.

The Egyptian University for E-Learning (EELU) is an educational institution that offers online degree programs and courses, utilizing digital platforms to facilitate learning. It aims to provide flexible and accessible education to students across Egypt and beyond, focusing on various academic fields through e-learning technologies. The university has a branch in Alexandria located at the Faculty of Business.

<https://www.eelu.edu.eg/en>

E. Assessment and Evaluation:

- **Automated assessments** help educators quickly grade assignments and provide feedback. ICT tools analyze student performance and offer insights into learning trends.
- Online exams allow for real-time assessment, and data analytics through e-marking can predict student outcomes and areas that need improvement.





الاختبارات الالكترونية E-exam

riham hassan

181 responses



مرحلة البكالوريوس-- استمارة المتابعة اليو
مبة للعملية الامتحانية نهاية فصل الخريف

riham hassan

2869 responses



مرحلة الدراسات العليا--استمارة المتابعة ال
يومية للعملية الامتحانية نهاية فصل الخري

riham hassan

1912 responses

The Measurement and Evaluation Unit at Alexandria University, is part of initiatives to develop student assessment and examination systems. It aims to enhance the culture of evaluation methods among all stakeholders in the educational process.

<https://www.alexu.edu.eg/index.php/stdsec/21-arabic/6044-%D9%85%D8%B1%D9%83%D8%B2-%D8%A7%D9%84%D9%82%D9%8A%D8%A7%D8%B3-%D9%88%D8%A7%D9%84%D8%AA%D9%82%D9%88%D9%8A%D9%85-%D8%A8%D8%A7%D9%84%D8%AC%D8%A7%D9%85%D8%B9%D8%A9-mac>

1-E-exam

2- Daily follow-up form for the educational process for the undergraduate studies.

3- Daily follow-up form for the educational process for the potgraduate studies.





Assessment Center (Alexandria University, Egypt): Weekly follow-up form for the educational process for the undergraduate and postgraduate courses during the semester.



Assessment Center (Alexandria University, Egypt): Weekly follow-up form for the educational process for the undergraduate and postgraduate courses during the semester.

Remark Office OMR Data Center - Pre-pharmacy-English-form.omr [Pre-pharmacy-english-DataA.rmk]

File Edit View Tools Help

Open Data Read Wizard Easy Grade Grade Wizard Easy Survey Survey Wizard

Analysis Options

- Easy Grade: Perform an Easy Grade using the default grade settings.
- Grade Wizard: Customize your grade operation by stepping through the Grade Wizard.
- Easy Survey: Perform an Easy Survey using the default survey settings.
- Survey Wizard: Customize your survey operation by stepping through the Survey Wizard.
- Analysis Preferences: Access the analysis preference dialog.

Exceptions Legend

- Multiple responses
- Blank responses
- Recognition errors
- Image regions
- Database lookup regions

ID	01	02	03	04	05	06	07	08	09	010	011	012	013	014	015	016
1	C	C	A	B	A	B	C	B	A	A	B	A	C	C	A	B
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3	A	C	C	C	C	B	A	B	B	C	B	A	C	B	B	C
4	C	C	B	A	B	A	B	A	B	A	B	A	C	C	A	C
5	C	C	A	C	B	A	A	B	C	C	B	A	C	B	C	A
6	C	C	A	B	A	B	C	C	C	B	B	A	C	B	C	B
7	C	C	A	A	B	B	C	B	A	B	B	A	C	B	A	B
8	A	A	A	B	B	B	A	C	C	C	C	C	C	C	C	B
9	C	C	B	A	A	B	B	A	A	B	B	A	C	B	A	B
10	C	B	B	C	A	B	A	C	A	B	A	B	A	B	A	A
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12	C	C	B	C	A	C	A	B	A	B	B	A	C	C	C	B
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16	C	C	C	A	B	C	A	B	C	A	B	B	C	C	A	B
17	C	C	A	B	A	B	C	B	A	B	B	A	B	C	B	B
18	C	C	C	C	A	B	C	B	A	A	B	A	C	C	A	B
19	C	C	C	A	A	B	C	B	C	C	B	C	B	C	A	B
20	C	C	C	B	C	B	C	B	A	B	B	A	A	C	A	B

Image Viewer - 0014.tif [page 1]

11 (A) (B) (C) (D) 26 (A) (B) (C) (D) 41 (A) (B) (C) (D)

12 (A) (B) (C) (D) 27 (A) (B) (C) (D) 42 (A) (B) (C) (D)

13 (A) (B) (C) (D) 28 (A) (B) (C) (D) 43 (A) (B) (C) (D)

14 (A) (B) (C) (D) 29 (A) (B) (C) (D) 44 (A) (B) (C) (D)

15 (A) (B) (C) (D) 30 (A) (B) (C) (D)

Student Item Teacher Item Questions

Sub-Item	MRS	WES	SCA	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																												
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7																												
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10																												

Image Viewer - TestItem1 - Completed Test Form.tif (page 1)

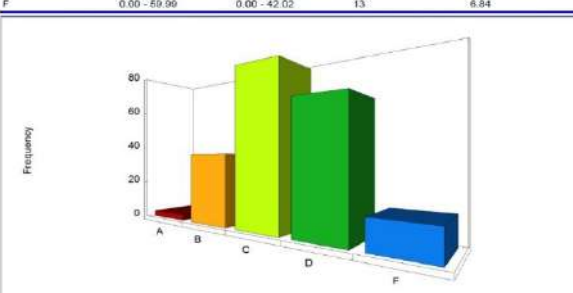
(A) (B) (C) (D) (E)

(A) (B) (C) (D) (E)

(A) (B) (C) (D) (E)

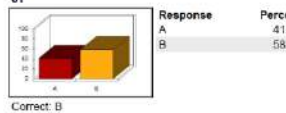
Class Frequency Distribution Report

Grade	Percent Score	Raw Score	Frequency	Percent
A	90.00 - 100.00	63.04 - 70.05	3	1.50
B	80.00 - 89.99	56.04 - 63.03	36	18.00
C	70.00 - 79.99	49.03 - 56.03	78	41.05
D	60.00 - 69.99	42.03 - 49.02	60	31.58
F	0.00 - 59.99	0.00 - 42.02	13	6.84



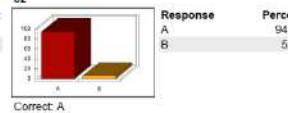
Item Analysis Graph Report

01



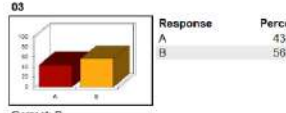
Response: A, B
Percent: 41.05, 58.42
Correct: B

02



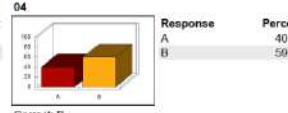
Response: A, B
Percent: 94.21, 5.79
Correct: A

03



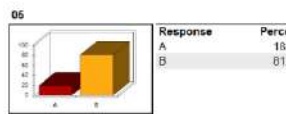
Response: A, B
Percent: 43.68, 56.32
Correct: B

04



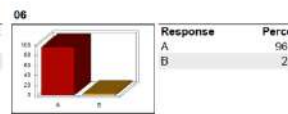
Response: A, B
Percent: 40.00, 59.47
Correct: B

05



Response: A, B
Percent: 18.95, 81.05
Correct: B

06



Response: A, B
Percent: 96.84, 2.63
Correct: A

Test Statistics Report

Overall	
Score Data	
Number of Graded Items	150
Total Points Possible	70.05
Maximum Score	66.31
Minimum Score	31.29
Statistics	
Mean Score	50.74
Mean Percent Score	72.43
Benchmark Score	-
Range of Scores	36.02
Standard Deviation	6.09
Variance	37.13
Percentiles	
Percentile (25)	47.17
Median Score	50.90
Percentile (75)	55.11
Inter-Quartile Range	7.94

Remark OMR (Optical Mark Recognition) software is designed for data collection and analysis from plain-paper OMR forms, such as surveys, tests, and assessments, data analysis.

F. Research projects accepted in 2023-2024.

Research Projects 2023-2024					
NO.	Project Title	Start Year	End Year	Funding Authorities	SDGs
1	Construction of a Self-Charging Unit for Collecting Wasted Mechanical Energy from Basic Human Motion	2023	2025	National	Affordable and Clean Energy
2	Preparation of NP-nucleic acid insecticides and its application in pest control	2023	2025	National	Climate Action
3	Electronic Dental Systems for detection and surveillance of oral diseases in Egypt (EDS-EGY)	2023	2025	National	Good health and well-being
4	Universities resilient to climate change: Public awareness, sustainable education and technology development as principal strategies towards net Zero Carbon Campus	2023	2024	European Union	Climate Action
5	AI-Based Tool for Automatic Segmentation of Dental Pulp after Therapy and Tissue Regeneration	2023	2023	National	Good health and well-being
6	Microbial-augmented biochar to control soil-borne plant diseases and mitigate climate change	2023	2023	National	Climate Action
7	Water desalination and food processing techniques at Alexandria University	2023	2024	National	Clean water and sanitation
8	Selection and production of starter cultures for the manufacture of Ras, Talaga and Domiatti cheeses and acceleration of Ras cheese ripening	2023	2025	National	
9	Manufacture of Ras Cheese using starter culture With the best salting method	2023	2023	National	Industry, Innovation and Infrastructure
10	Production of a natural preservative for milk and study of its effect on milk components	2023	2025	National	Industry, Innovation and Infrastructure
11	The future vision of green hydrogen in Egypt: a technical and economic study	2023	2024	National	Decent work and Economic Growth

12	Unraveling the possible mechanisms of muscle regeneration in statin-induced-myopathy in rats: in-vivo and in-vitro studies aided with artificial intelligence	2023	2025	National	Good health and well-being
13	Minimal Residual Disease Assessment in Multiple Myeloma by Next-Generation Sequencing	2023	2025	National	Good health and well-being
14	Study of the neuroprotective effects of stereostatic transplanted non-tumorigenic MUSE cells in a rat model of insecticides induced Parkinson disease	2023	2025	National	Good health and well-being
15	Novel PPAR-based molecular platforms for the treatment of cognitive dysfunction and metabolic impairment: When Alzheimer's constitutes type 3 diabetes	2023	2025	National	Good health and well-being
16	Tumor-educated platelet RNAs as potential biomarkers for diagnosis of oral squamous cell carcinoma	2023	2025	National	Good health and well-being
17	Digital Twin Based Information Systems in Education 4.0: The Case of Alexandria University New Abis Campus (DTE4)	2023	2025	National	Quality Education
18	Design and Fabrication of Biodiesel Burner test rig	2023	2025	National	Industry, Innovation and Infrastructure
19	New Framework for Damage detection in new Egyptian smart cities based on self-powered structural health monitoring technique integrated with the developer	2023	2025	National	Affordable and Clean Energy
20	Agronomic characterization and genetic diversity of Quinoa genotypes under heat and drought stresses in North-West Egypt	2023	2025	National	Climate Action
21	Effect of some bio fertilizers, virmi compost and Salicylic acid on citrus rootstock salinity tolerance	2023	2025	National	Climate Action

22	Rivaroxaban, Enoxaparin and clopidogrel ameliorate metabolic structural manifestations of and NASH in rats via anti-coagulation anti-inflammatory mechanisms and	2023	2025	National	
23	The Neuroprotective Effects of Novel Antidiabetics in Type 2 Diabetes: Possible Mechanism for Halting Cognitive Deterioration	2023	2025	National	Good health and well-being
24	Clinical Evaluation and Antimicrobial Chemo- Effect of Papain Based Mechanical Caries Removal Agents in Young Permanent Molars (A Randomized Controlled Clinical (Trial	2023	2026	National	Good health and well-being
25	Targeted Multi-functioning RNA-based nanoparticles as a new approach for treatment of chronic kidney disease	2023	2026	National	Good health and well-being
26	IN Vitro Meat Production Utilizing and Stem Cells as a Sustainable Climate-Friendly Alternative Source of Protein	2023	2025	National	Zero Hunger
27	sulfolobus solfataricus L-Asparaginase: expression in Escherichia coli, purification, biochemical characterization and assessment cytotoxicity	2023	2025	National	Good health and well-being
28	Environmentally friendly methods for detecting and controlling termite and wood borer infestations in Alexandria Governorate	2023	2026	National	Decent work and Economic Growth
29	Preparation of prototype of Saccharomyces cerevisiae nano bentonite composite as a novel feed supplement to mitigate enteric gases greenhouse	2023	2025	National	Climate Action
30	Screening for some mutations in the Egyptian PAH gene in a group of phenylketonuria patients attending Alexandria University Hospital	2023	2025	National	Good health and well-being
31	Potential regenerative capacity of non-tumorigenic muse cells on invitro model of cardiac ischemic reperfusion injury	2023	2026	National	Good health and well-being
32	Cell-free DNA genetic variants in using triple-negative breast cancer next-generation sequencing	2023	2026	National	Good health and well-being
33	Production, modification and new from prospects of biochar derived biomass waste	2023	2026	National	Affordable and Clean Energy

34	The prospective ameliorative effect and of zinc oxide nanoparticles melatonin against cadmium oxide nanoparticles-induced toxicity: an integrated biomarker-based approach for ecotoxicological model organism evaluation in a <i>Blaps polycresta</i>	2023	2026	National	Climate Action
35	Microbial technology as a bioremediation tool for heavy removal from industrial metals wastewater through proteomic and approaches nanotechnological	2023	2025	National	Clean water and sanitation
36	The potential of using some Mint effective and Rosemary extracts as beta lactamase inhibitors	2023	2025	National	Good health and well-being
37	Epigenetic alterations of enhancer of zeste homolog Mesenchymal Stem Cell-Derived Small Extracellular Vesicles: A Novel Pyroptosis signature Approach for in Liver Cancer	2023	2025	National	Good health and well-being
38	Impact of Silicon Nanoparticles on Physiological Performance and Molecular Characterization of Two Cotton Cultivars Under Different Moisture Levels Soil	2023	2026	National	Decent work and Economic Growth
39	Studies on human placental extract against as a therapeutic promise diabetes-mediated neurodegeneration in experimental rats	2023	2026	National	
40	Triazoles conjugates -1,2,3 nanoformulae for multidrug bacteria treatment resistant	2023	2025	National	Good health and well-being
41	The potential effect of <i>Persea americana</i> peel extract on the modulation of Tryptophan dioxygenase signaling pathway in Liver-induced Non Alcoholic Fatty rats	2023	2025	National	
42	Actinomycetes cell mass as a non-traditional feed ingredient in aquaculture fish diets	2023	2025	National	Decent work and Economic Growth
43	Avocado peel methanolic extract PI3K/AKT/SIRT- could modulate the 1/HIF1 signaling pathway and treat fibrosis high-fat diet-induced liver in rats	2023	2026	National	

44	Experimental tailoring of MOF/BiOX nanocomposite of improved photocatalytic water decontamination supported with DFT computations	2023	2026	National	Clean water and sanitation
45	Applied Coordination Chemistry of Biologically Active Ligands Containing Chalcogenide Atoms	2023	2026	National	
46	Complete preclinical profile of characterized nanoformulation of Salix mucronate active fraction as anti-hepatocellular carcinoma	2023	2026	National	Good health and well-being
47	Effect of Momordica Charantia Seeds on Lead Induced Hepatotoxicity in Male Albino Rats	2023	2026	National	
48	Marine Microbioll - asparaginse Chara Molecular and Biochemistry characterization and Possible applications as an anti- Cancer dryg	2023	2025	National	Good health and well-being
49	Water- Development of Novel Energy -Food - Ecosystem (WEFE) Mini -complex Based on a Standalone	2023	2026	National	Affordable and Clean Energy
50	Knowledge Exchange in Aquatic Animals Medicine and Ecosystem Health in the Mediterranean and sub-Saharan Regions.	2024	2027	European union Erasmus+	Good health and well-being
51	Regenerating Deserts - The Habiba & Moghra Pilot Cases	2024	2027	European union DESCA (Horizon Europe)	Life on land
52	Modernization of Land and Urban Management Education in Southern Mediterranean (MLUMSE)	2024	2027	European union Erasmus+	Life on land
53	Localization and Egyptianization of foreign cow breeds with high meat and milk production	2024	2027	Academy of Scientific Research	Zero Hunger
54	Evaluation of some in vitro embryo production protocols to accelerate genetic improvement in cows in Egypt	2024	2027	Academy of Scientific Research	Good health and well-being
55	Maximizing the productivity of farm animals by using non-conventional, salt-tolerant feed materials	2024	2027	Academy of Scientific Research	Zero Hunger
56	Addition of metformin to neoadjuvant chemotherapy in ovarian cancer patients with the use of circulating tumor DNA and circulating tumor cells as predictive biomarkers	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being

57	EXPRESSION OF SELECTED INHIBITORY IMMUNE CHECKPOINT MOLECULES IN A COHORT OF CHILDHOOD B-CELL ACUTE LYMPHOBLASTIC LEUKEMIA	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
58	Potential Biomarkers Associated with Autism: Developing A Comprehensive Screening Panel for Autistic Spectrum Disorder	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
59	Optimizing multi-kinase inhibitors for augmenting immunotherapeutic agents in breast cancer: Synthesis, nanoformulation and biological evaluation	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
60	Removal of microbiological contaminants from wastewater using innovative pyroelectric nanocomposite	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
61	Establishing and Integrating Electronic Cancer Registry at Medical Research Institute, Alexandria University, Egypt.	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
62	Boosting Second Harmonic Generation in Integrated Photonic Platforms	2024	2026	Alexandria University initiative to support research RSI 2	Climate Action
63	Millet potential as a sustainable nutrient in the development of some innovative dairy products	2024	2026	Alexandria University initiative to support research RSI 2	Zero Hunger
64	Developing A new ACTinobacteria-based Biocontrol Product Against Plant Viral Diseases (zucchini yellow mosaic virus) – ACTVBiocontrol	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
65	Employing psychodrama for Psychological support using therapeutic dolls with children with cancer and their families	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being
66	Novel co-delivery of doxorubicin and phycocyanin extract loaded Klebsiella pneumoniae ghost to induce pyroptosis signature and overcome drug resistance in non-small cell lung cell lines	2024	2026	Alexandria University initiative to support research RSI 2	Good health and well-being

67	Interferon Y enriched Extracellular Vesicles as a novel therapeutic modality for multiple sclerosis	2024	2026	Minactrams (European Union)	Good health and well-being
68	Alexandria Innoversity Challenge (IVC)	21/4/2024	30/6/2024	Fund for Innovators and Geniuses - Ministry of Higher Education and Scientific Research	Industry, Innovation and Infrastructure
69	Thermoelasticity in semiconductors and its applications	2024	2026	Science, Technology and Innovation Funding Authority (STDF)	Affordable and Clean Energy

Graduate Student Projects Funded by the Science, Technology, and Innovation Funding Authority (STDF)

No.	Faculty/Faculties	Project Name	Start Year	End Year	Funding Agency
1	Faculty of Science	Colchicine and Rosiglitazone Loaded on Bacterial Outer Membrane-Based Vesicles Targeting Cytokine Storm-Associated Nanovaccines in COVID-19 and Stat3 in Non-Small Cell Lung Cancer	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
2	Faculty of Pharmacy	Investigation of Rivaroxaban, Enoxaparin, and Clopidogrel in Improving Metabolic and Structural Aspects of Non-Alcoholic Steatohepatitis in Rats Through Anticoagulant and Anti-inflammatory Mechanisms	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
3	Faculty of Dentistry	Clinical Evaluation and Antimicrobial Effect of Papain-Based Chemical Caries Removal Agents in Young Permanent Molars (A Randomized Clinical Trial)	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
4	Medical Research Institute	Multi-functional RNA-based Nanomolecules Targeting Chronic Kidney Disease: A Novel Therapeutic Approach in an Experimental Rat Model	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
5	Institute of Graduate Studies and Research	In-Lab Meat Production Using Stem Cells as a Sustainable, Climate-Friendly Alternative Protein Source	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
6	Faculty of Agriculture	Eco-Friendly Methods for Detecting and Combating Termite and Wood Borer Infestations in Alexandria Governorate	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)

No.	Faculty/Faculties	Project Name	Start Year	End Year	Funding Agency
7	Faculty of Agriculture	Prototype Development of a Bentonite-Yeast Mixture as a Feed Additive to Reduce Greenhouse Gas Emissions	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
8	Faculty of Medicine	Survey of PAH Gene Mutations in Egyptian Patients with Phenylketonuria at Alexandria University Hospital	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
9	Faculty of Medicine	Potential Regenerative Capacity of Non-Cancerous "Muse" Cells in an External Mouse Model of Ischemic Heart Injury	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
10	Faculty of Medicine	Genetic Alterations in Cell-Free DNA of Triple-Negative Breast Cancer Patients Using Next-Generation Sequencing	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
11	Faculty of Science	Production, Modification, and New Applications of Biochar Derived from Biomass Waste	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
12	Faculty of Science	Potential Enhancing Effects of Zinc Oxide Nanoparticles and Melatonin Against Cadmium Oxide Nanoparticle-Induced Toxicity: An Integrated Biomarker Approach for Environmental Toxicity Assessment in Lablab Polystachyus	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
13	Faculty of Science	Microbial Technology as a Tool for Bioremediation of Heavy Metals from Industrial Wastewater Using Advanced Technologies	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
14	Faculty of Science	Potential Use of Peppermint and Rosemary Extracts as Effective Beta-Lactamase Inhibitors	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
15	Faculty of Science	Epigenetic Modifications of Enhancer of Zeste Homolog 2 by Stem Cell-Derived Exosomes: Pyroptosis as a Hallmark in Hepatocellular Carcinoma	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)

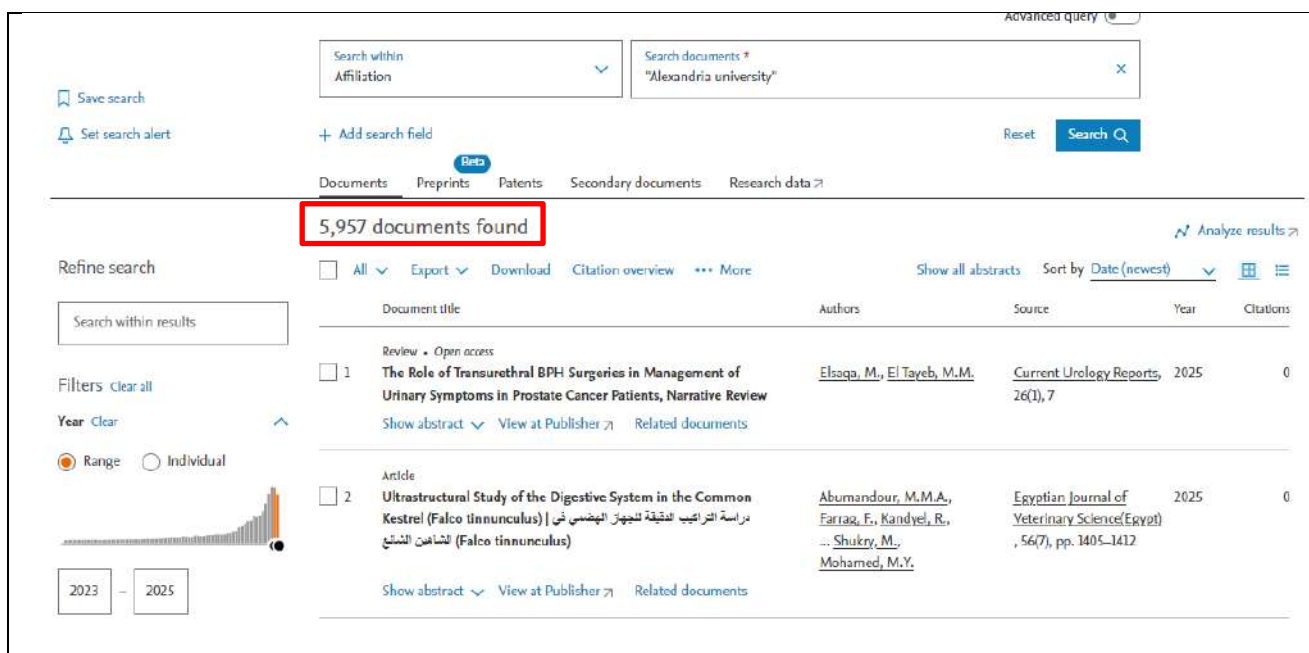
No.	Faculty/Faculties	Project Name	Start Year	End Year	Funding Agency
16	Faculty of Science	Effects of Silicon Nanoparticles on Physiological Performance and Molecular Characterization of Two Cotton Varieties Under Different Water Levels	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
17	Faculty of Science	Studies on Human Placenta Extract as a Promising Therapy for Neurodegeneration Caused by Diabetes in Rats	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
18	Faculty of Science	Nanocomposites of 1,2,3-Triazoles for the Treatment of Multi-Drug Resistant Bacteria	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
19	Faculty of Science	Potential Effects of Persea Americana Peel Extract on Modulating the Tryptophan Dioxygenase Pathway in Non-Alcoholic Fatty Liver Disease-Induced Mice	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
20	Faculty of Science	Use of Actinomycete Biomass as an Unconventional Feed Component in Fish Farms	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)
21	Faculty of Science	Evaluation of the Therapeutic Effects of Avocado Peel Alcoholic Extract on Rat Liver Fibrosis	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
22	Faculty of Science	Laboratory Design of MOF/BiOX Nanocomposite for the Degradation of Water Pollutants by Enhanced Photocatalysis Supported by DFT Calculations	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
23	Faculty of Science	Applied Coordination Chemistry of Biologically Active Chelating Agents Containing Chalcogen Atoms	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
24	Faculty of Science	Full Preclinical Profile of Nanomolecules from Willow Plant Active Ingredients in Liver Cancer Treatment	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)

No.	Faculty/Faculties	Project Name	Start Year	End Year	Funding Agency
25	Faculty of Science	Effect of Citrullus Colocynthis Seeds on Lead-Induced Hepatotoxicity in Male Albino Rats	2023	2026	Science, Technology, and Innovation Funding Authority (STDF)
26	Faculty of Medicine	Characterization and Potential Cancer Therapy Applications of Marine Microbial L-asparaginase	2023	2025	Science, Technology, and Innovation Funding Authority (STDF)

This table showcases a range of cutting-edge research projects being undertaken by graduate students at Alexandria University, funded by the STDF. These projects span multiple disciplines, including science, medicine, and agriculture, and contribute to advancements in fields like biotechnology, nanotechnology, environmental science, and medical research.

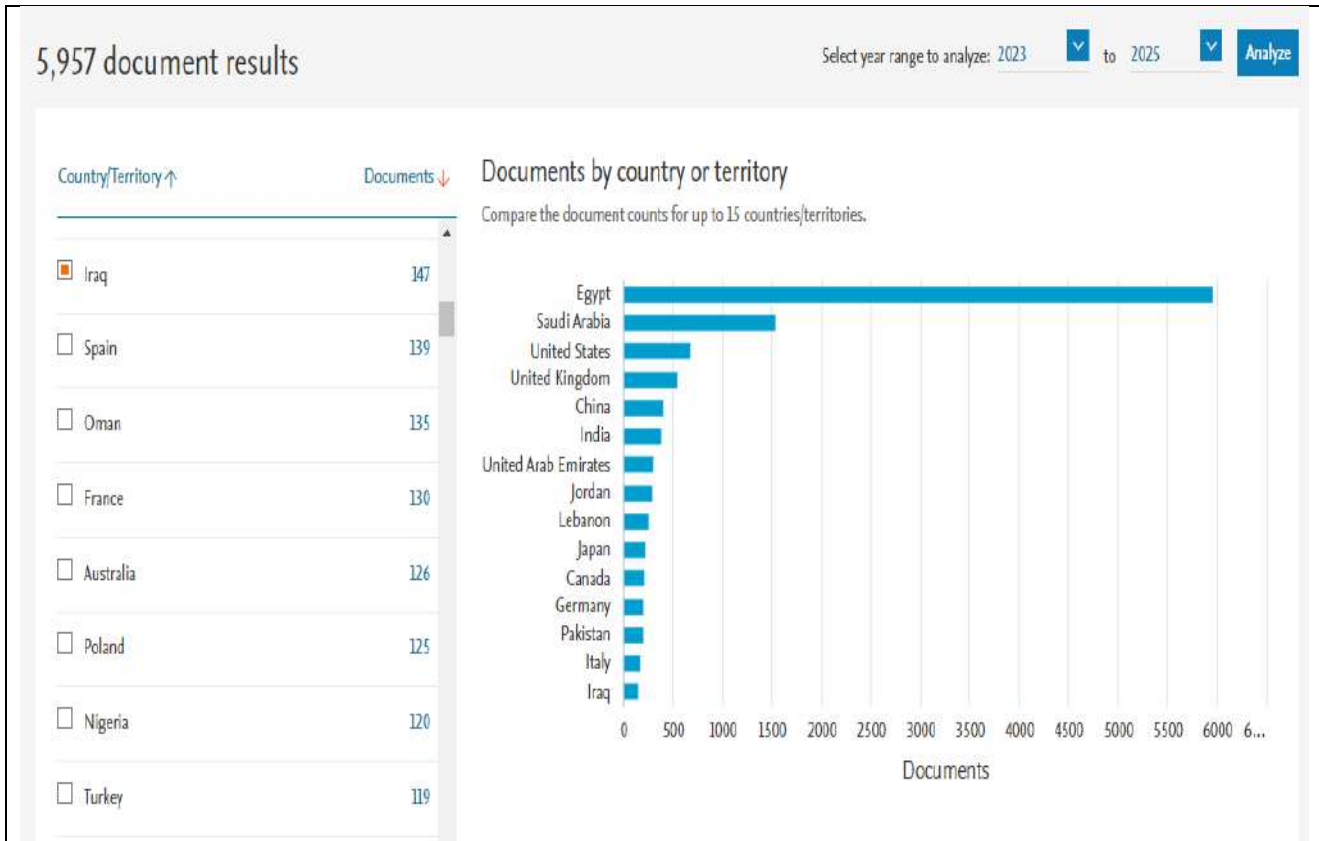
G. Research and international collaborations

- Enhancing research and fostering international collaborations with authors from around the world to improving research efforts and building international partnerships with authors globally by using online platforms like Google Meet, Teams, and Zoom for communication and collaboration.



The screenshot shows a search results page for 'Alexandria university'. The search criteria are 'Affiliation: Alexandria university', resulting in 5,957 documents found. The results are displayed in a table with columns for Document title, Authors, Source, Year, and Citations. Two results are visible:

Document title	Authors	Source	Year	Citations
1. The Role of Transurethral BPH Surgeries in Management of Urinary Symptoms in Prostate Cancer Patients, Narrative Review	Elsoga, M., El Tayeb, M.M.	Current Urology Reports, 26(1), 7	2025	0
2. Ultrastructural Study of the Digestive System in the Common Kestrel (Falco tinnunculus) دراسة التراكيب الدقيقة للجهاز الهضمي في الشاهين المنقار (Falco tinnunculus)	Abumandour, M.M.A., Farrag, F., Kandyl, R., Shukry, M., Mohamed, M.Y.	Egyptian Journal of Veterinary Science (Egypt), 56(7), pp. 1405-1412	2025	0



H. Staff members' Development:

- Continuous **professional development** opportunities are performed through webinars, online courses, and teaching communities for Alexandria university affiliates (faculty staff members – assistant staff members – postgraduate student – the administrative) to refine their teaching methods and improve learning outcomes.



The Faculty and Leadership Development Center (FLDC) at Alexandria University is a distinguished center for professional development, serving local, regional, and global communities. It focuses on enhancing the skills of faculty members, leaders, and other higher education personnel, as well as promoting human development for individuals and community organizations. The FLDC center operates an online booking system for courses according to the trainees' preferences, and the courses can be attended either online

or in person. The FLDC conducted various training programs aimed at improving teaching and learning for university affiliates, including faculty members, assistant staff members, postgraduate students, and administrative personnel, as detailed in the following table.

Additional evidence link: <https://alexu.edu.eg/index.php/en/2015-11-24-10-43-20/training>
<https://alexu.edu.eg/index.php/en/fldc>

Programs and workshops at Alexandria University (2023/2024)

Years	NO.	Program Name	Participants (trainee)				
			Alexandria university members	public universities	private universities	African university	Total
2023-2024	1	Research Ethics and Plagiarism	352	9	0	12	373
	2	Research Methodologies	145	2	0	0	147
	3	Global Databases Usage	13	0	0	0	13
	4	Competitive Research Projects Proposals	214	0	0	0	0
	5	E - Exams	83	7	0	0	90
	6	Legal and Financial Aspects in University	95	7	2	0	104
	7	University Laws and Regulations	63	4	0	0	67
	8	Leadership and Strategic Thinking	63	1	0	0	64
	9	International Publishing of Research	232	9	1	12	254
	10	Design and Production of Digital Content	101	16	2	0	119
	11	Funded Research Implementation and Research Team Management	102	11	1	0	114
	12	Rights and Duties of University Staff Assistants	225	0	0	0	225
	13	Quality Standards in Teaching	179	4	0	0	183
	14	Quality Standards in Learning	38	1	0	0	39

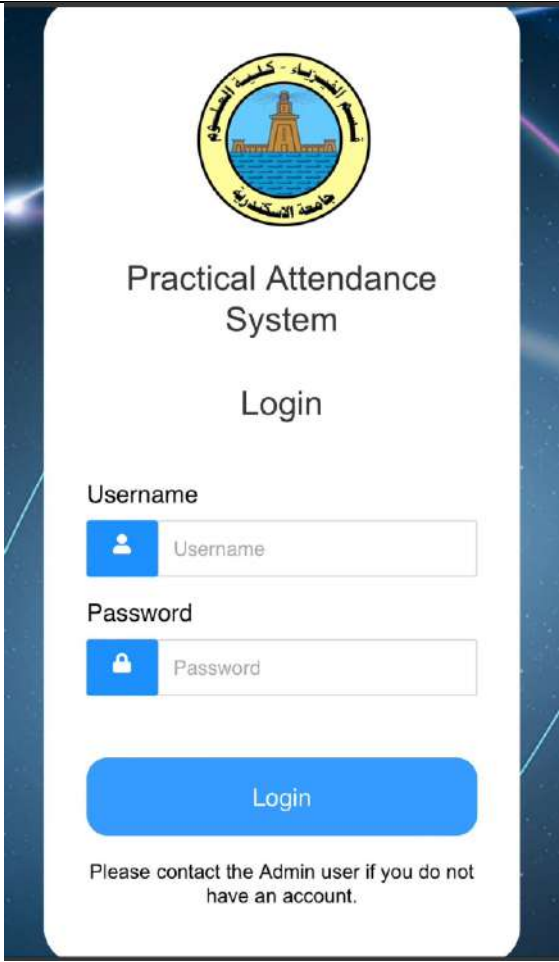
15	communication and presentation Skills	424	6	1	0	431
16	Executive Leadership Development	63	1	0	0	64
17	References Management System	229	2	0	0	231
18	Exams and Students Evaluation Systems	172	0	0	0	172
19	Experimental Design and Statistical Analyses Systems	246	2	0	0	248
20	Classroom	18	0	0	0	18
21	Technical writing	204	0	0	0	204
22	Academic leadership training bag	86	0	0	0	86
23	Administrative Leadership Qualification Package	80	0	0	0	80
Total trainee		3326				

I. Administrative Efficiency:

- Courses study marine environments and focusing on the sustainability of marine ecosystems, rely on the use of the research vessel, which is equipped with a GPS device, and located at the Faculty of Science in the Anfoushi area. Students and researchers use the vessel to conduct field trips for collecting water and sediment samples, and carrying out the necessary studies.



➤ ICT systems for the student enrollment and attendance tracking.



Practical Attendance System


Login

Username

Password

Login

Please contact the Admin user if you do not have an account.



Welcome محمد سعيد

Dashboard Attendance / Report / Time Table

Account Type
SUPERVISOR

Courses
2

Sections
1

Sys. Mode
STUDY

Today and Up Comming Events

#	Event	Date	Submitted by
1	امتحان امتداد الفصل الدراسي	10-11-24 20-11-24	محمد سعيد محمد

October 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

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List of Students in Section Wednesday (2:00 pm-5:00 pm) - (Group: O) in Week 3

Total Students: 23
Present Students: 19
Excuse Students: 0
Absent Students: 4

#	U/ID	Name	Attendance	Notes	Status
1	20251503229	محمد هاني فراني محمد	Absent		
2	20251503033	محمد هشام عبد التوهم عباس فرح ناصر	Present		
3	20251503034	محمد وائل محمد احمد كريمة	Present		
4	20251578111	محمد وائل محمد القزويني	Absent		
5	20251586429	محمد وائل محمد علي بيوا لعيوب	Present		
6	20251588536	محمد وايد ابراهيم محمد ابراهيم	Present		
7	20251504836	محمد وائل حسن فريد علي حسن	Present		
8	20251588538	محمد ياسر ابراهيم العمودي حسن	Present		
9	20251576908	محمد ياسر محمد احمد	Present		
10	20251581612	محمد ياسر محمد عباس	Present		
11	20251581878	محمد ياسر فواز ابو الدين علي	Absent		
12	20251588540	محمد احمد عبد الفتاح بدوي صابر	Present		
13	20251502635	محمد احمد عبد الفتاح علي ابراهيم	Present		
14	20251502983	محمد ابراهيم حسن	Absent		
15	20251589883	محمد جلال محمد عبد القوي	Present		
16	20251489840	محمد جمال محمد محمد عبد اللاه	Present		
17	20251503848	محمد جمال محمد احمد محمود	Present		
18	20251589962	محمد علي حسن سليمان	Present		
19	20251609420	محمد علي عبد المنعم محمد	Present		
20	20251588185	محمد عيسى محمد عبد الفتاح ابراهيم	Present		
21	20251503737	محمد فاضل عبد القوي السيد عثمان	Present		
22	20251503335	محمد محمد اسماعيل محمد زيات	Present		
23	20251586434	محمد محمد فوزي عبد المنعم	Present		

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- **Monitoring:**

Evaluation of the students through the measurement and evaluation centre, Track the progress of sustainability research and the number of scholarly publications produced.

A. Distinguished Scientific Publishing Office

- In the frame work of university support to research activity and to encourage researcher to publish scientific researches in international indexed magazines that shall contribute in raising the scientific research level in the university and improving the university international rank, scientific research support, and publishing bonus.




B Alexandria University Scientific Journals and Periodicals

- Alexandria University publishes a number of scientific journals and periodicals aimed at disseminating the research of faculty members both within and outside the college. These publications also include summaries of master's and doctoral theses, address topics of common interest, and respond to inquiries related to various fields of study. The university's publications are edited by a team of experts and specialists in this regard. The total number of journals published by the faculties of Alexandria University is 39, issued in both Arabic and English.



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Home ▶ All Journals ▶ Alexandria Journal of Medicine



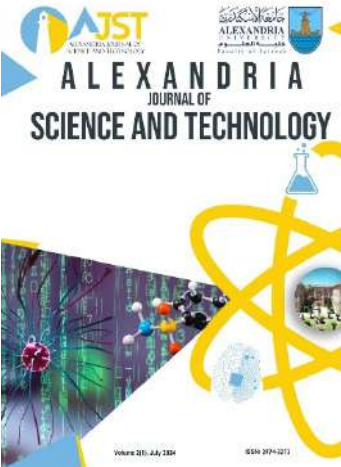
Alexandria Journal of Medicine

🔒 An open access journal

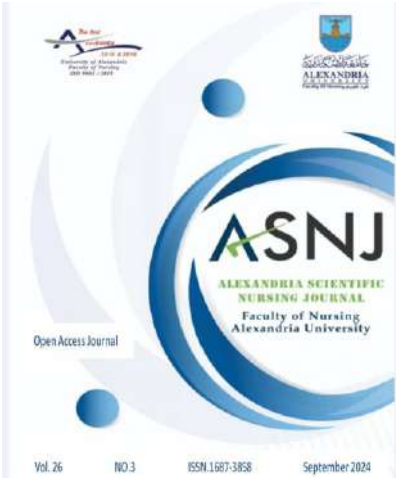
Publishes international open access research in medical sciences with particular focus on diseases in the Middle East and North Africa.

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ALEXANDRIA JOURNAL OF SCIENCE AND TECHNOLOGY




ALEXANDRIA SCIENTIFIC NURSING JOURNAL




Alexandria Dental Journal



Alexandria Journal of Veterinary Sciences



Egyptian Journal of Aquatic Research



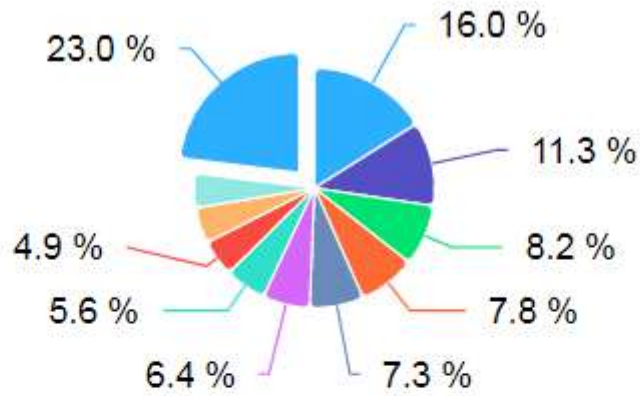
Alexandria Journal of Agricultural Sciences

Examples of scientific journals published by Alexandria University.

C. Alexandria University Project Management Unit

- The unit is responsible for contributing to the development strategy of the university, assisting the faculties in creating their own development strategies, and overseeing the management and implementation of the development plans, projects, programs, and activities adopted and approved by the university administration to achieve its developmental goals.
<http://www.pmu.alexu.edu.eg/index.php/ar/>
- **Evaluation:** Evaluate the impact and quality of the publications on sustainability. Use citation analysis tools and peer review systems to assess the reach and impact of the research.

Subject trends



- Medicine
- Engineering
- Chemistry
- Biochemistry, Genetics and Molecular Biology
- Agricultural and Biological Sciences
- Materials Science
- Physics and Astronomy
- Computer Science
- Environmental Science
- Pharmacology, Toxicology and Pharmaceutics
- Other

SDG contributions

No poverty Goal 1 View 117 documents	Zero hunger Goal 2 View 1,280 documents	Good health and well-being Goal 3 View 14,978 documents	Quality education Goal 4 View 398 documents
Gender equality Goal 5 View 302 documents	Clean water and sanitation Goal 6 View 3,096 documents	Affordable and clean energy Goal 7 View 3,249 documents	Decent work and economic growth Goal 8 View 882 documents
Industry, innovation and infrastructure Goal 9 View 1,444 documents	Reduced inequalities Goal 10 View 273 documents	Sustainable cities and communities Goal 11 View 1,278 documents	Responsible consumption and production Goal 12 View 1,208 documents
Climate action Goal 13 View 997 documents	Life below water Goal 14 View 2,094 documents	Life on land Goal 15 View 708 documents	Peace, justice and strong institutions Goal 16 View 322 documents
Partnership for the goals Goal 17 View 6,178 documents			

Citation overview

For 6,380 documents

6,380	58,301	70
Documents	Citations	h-index

Date range: 2021 to 2024

Exclude self citations
 Exclude book citations
 Hide documents with 0 citations
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