



**Mansoura University
Faculty of Dentistry
Postgraduate studies and research**



**Research Plan
Faculty of Dentistry - Mansoura University
(2025-2022)
(2025/1/16 –2022/1/16)**



Preface

Faculty of Dentistry Background:

Name: Faculty of Dentistry

University: Mansoura

Address: Republic Street 35516 - Mansoura - Dakahlia - Arab Republic of Egypt

Faculty of Dentistry Administration :

Dean	Prof. Yasser Lotfy Abdelnaby
Vice Dean for Postgraduate Studies and Research	Prof. Mona Abdulaziz Montaser
Vice Dean for Student Affairs and Education	Prof. Yousry Mahmoud El Hawary
Vice Dean for Environment development and Community service	Prof. Alsayed Gad Gad

History of the Faculty of Dentistry:

- The Faculty of Dentistry was established by a decision of the Vice President of the University and Minister of Culture and Information No. 134 of 1973.
- Study started at the Faculty of Dentistry in the academic year 1977/1978.
- The first class graduated from the Faculty of Dentistry in the academic year 1981/1982.
- The Council of Postgraduate Studies and Research at the university decided on January 27, 1981 to approve the commencement of postgraduate studies in the Faculty of Dentistry for the academic year 1981/1982.
- Graduate studies began in the Faculty of Dentistry in the academic year 1981/1982 in the departments of oral surgery, oral medicine and periodontal disease.

Academic Departments:

1	Department of Oral Pathology
2	Department of Oral Biology
3	Department of Dental Biomaterials
4	Department of Removable Prosthodontics
5	Department of Fixed Prosthodontics
6	Department of Operative dentistry
7	Department of Endodontics
8	Department of Orthodontics
9	Department of Pedodontics and Dental public health
10	Department of Oral and Maxillofacial Surgery
11	Department of Oral Medicine and Periodontology

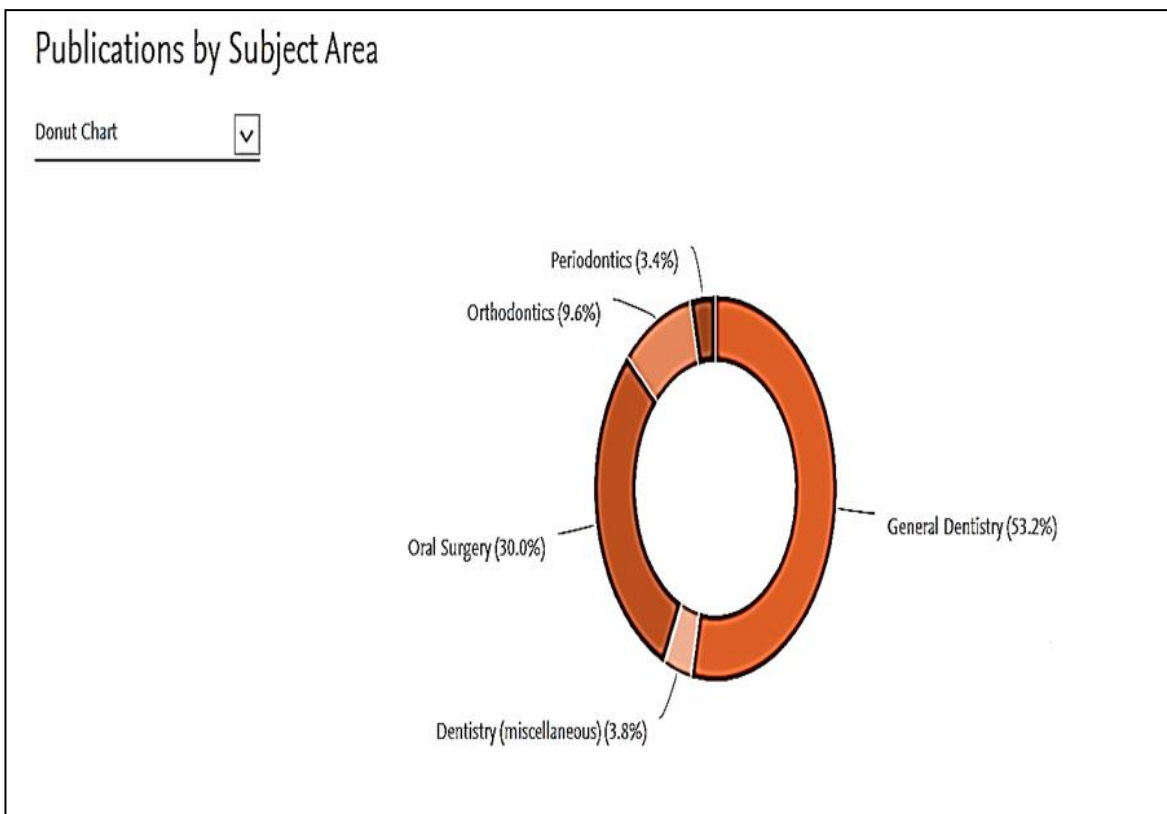
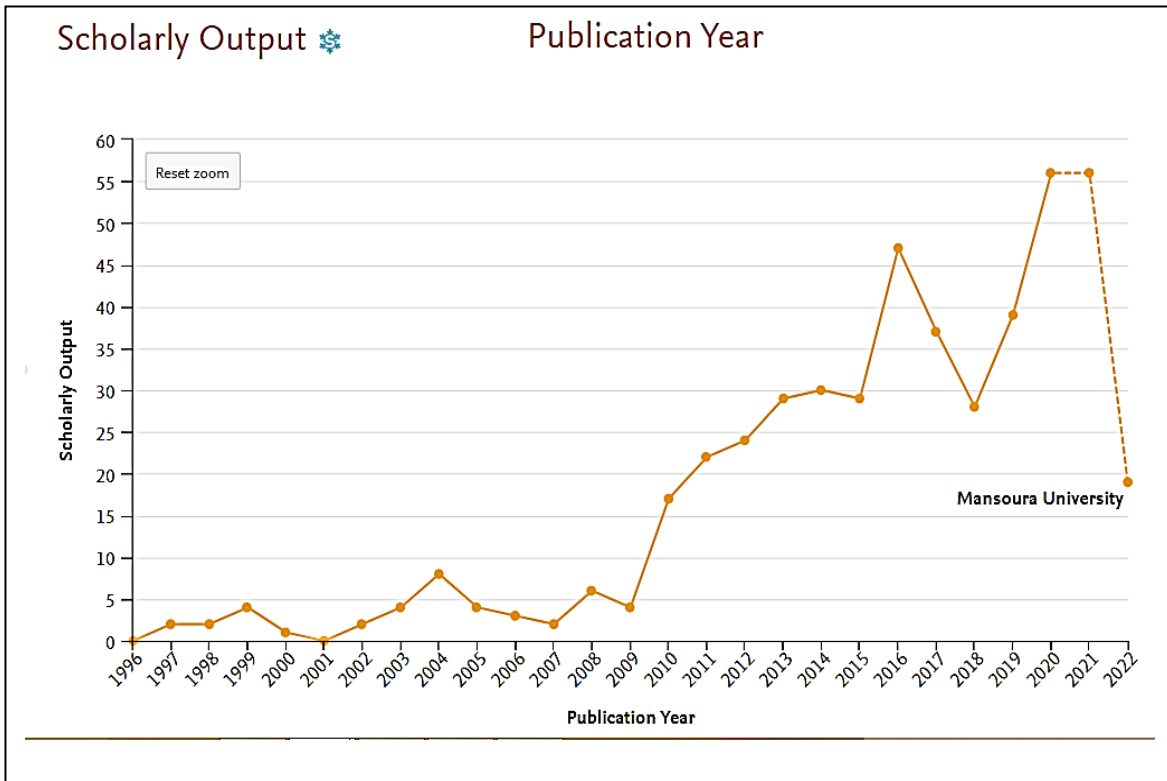
Faculty of Dentistry Ranking:

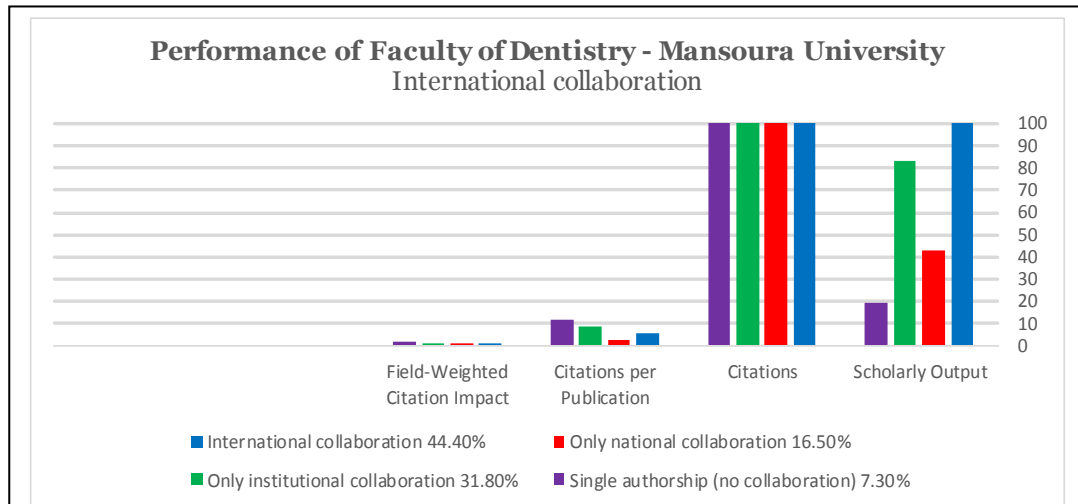
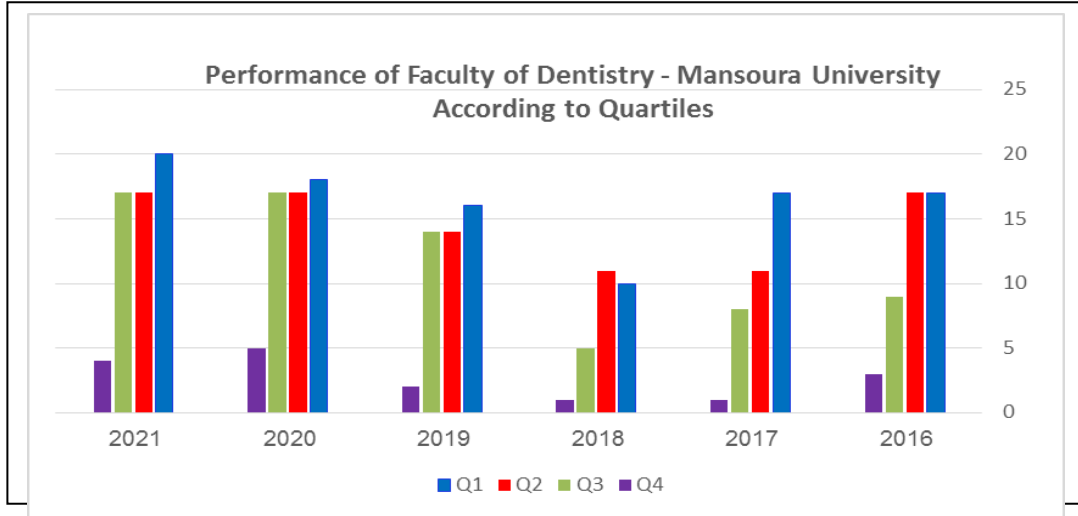
Shanghai Ranking of the Faculty of Dentistry - Mansoura University (2018–2021)

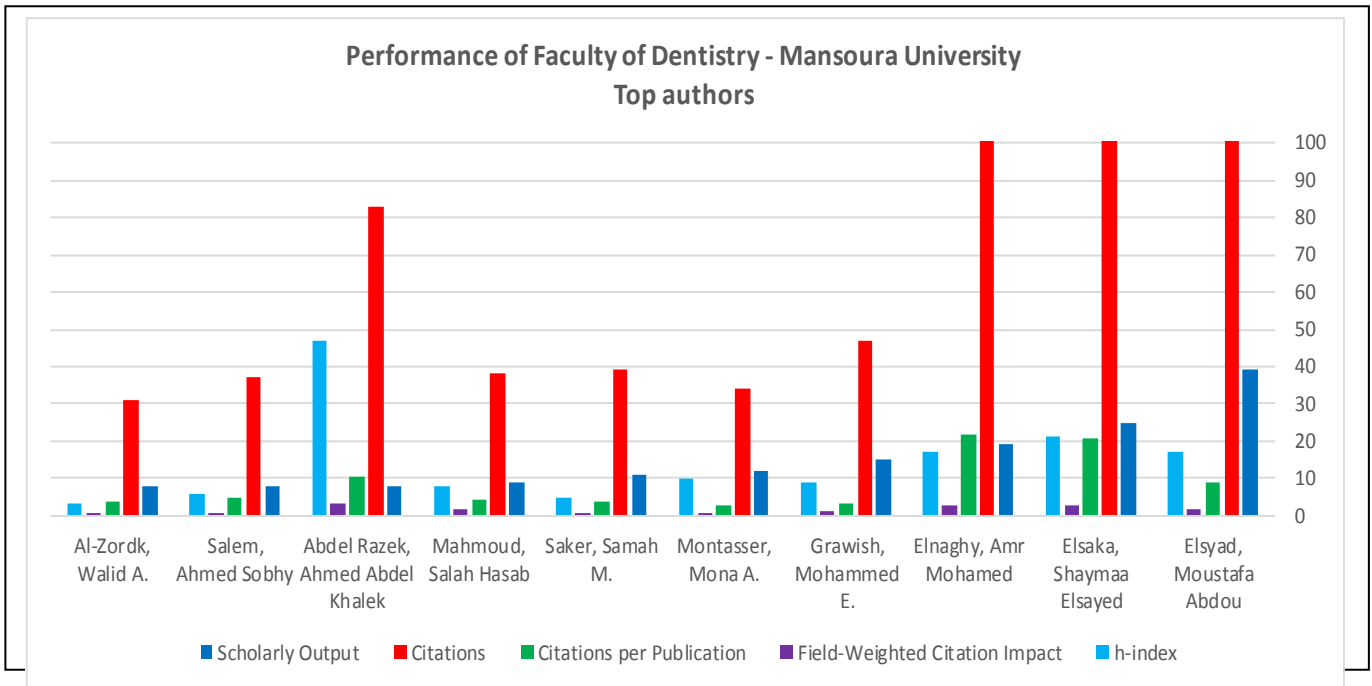
The screenshot shows the Shanghai Ranking website interface. The navigation bar includes 'Home', 'Rankings', 'Universities', 'News', and 'Activities'. The main content area displays the 'Dentistry & Oral Sciences' category with a search for 'mansoura university'. The results table shows Mansoura University with a World Rank of 201-300 and a Total Score of 23.1. A note states: '* Institutions within the same rank range are listed alphabetically.'

2021		2020		2019		2018		طب الأسنان
International	Local	International	Local	International	Local	International	Local	
201-300	1	201-300	1	201-300	1	201-300	1	

Scientific Research in Faculty of Dentistry:
First: International Publication:







Collaboration ⓘ

ⓘ Metric guidance + Add to Reporting Export ▼ Shortcuts ▼

Scholarly Output at Mansoura University, by amount of international, national and institutional collaboration



Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
■ International collaboration	45.0%	118	726	6.2	0.97
■ Only national collaboration	14.9%	39	133	3.4	0.85
■ Only institutional collaboration	32.8%	86	817	9.5	1.29
Single authorship (no collaboration)	7.2%	19	244	12.8	1.87

The Research Plan:

I- Steps of making the research plan:

The following steps and procedures were taken to implement the research plan:

1- Preparation:

- a- Building the research plan's team.
- b- Needs assessment (interviews - surveys - focus groups) through the inputs of stakeholders, including scientific departments - researchers - management - community actors.
- c - Analysis of the internal and external environment of the Faculty of Dentistry.

2- Developing an initial plan:

3- Review of the initial plan:

- a- Presenting the preliminary plan to stakeholders.
- b- Gathering inputs about the plan from stakeholders (interviews and surveys)
- c - Review the initial plan.

4- Checking and finalizing the plan:

II- Pillars of the research plan:

1- Egypt's Vision 2030: Egypt's Vision 2030 was launched in February 2016 to reflect the country's strategic plan to achieve the principles and goals of sustainable development in all fields. Egypt's Vision 2030 is based on the principles of "comprehensive sustainable development" and "balanced regional development". Egypt's Vision 2030 reflects the three dimensions of sustainable development: the economic dimension, the social dimension, and the environmental dimension. The fourth goal of Egypt's Vision 2030 focuses on knowledge, innovation and scientific research.

Its sub-objectives are:

- Investing in people and building their creative capabilities.
- Stimulating innovation, spreading its culture, and supporting scientific research.
- Strengthening the links between education, scientific research and development.

Accordingly, Egypt aims to create a stimulating and supportive environment for excellence and innovation in science and technology, which establishes comprehensive societal development and the production of new knowledge that achieves international leadership. It also aims to localize technology to contribute to economic and societal development and to develop capabilities in future inter- and interrelated sciences.

2- Vision - Mission - and Objectives of the University: (Graduate Studies and Research Sector).

Vision: Achieving excellence and leadership locally and globally in building a knowledge society through sustainable development, effective community partnership and financing.

Mission: Providing distinctive educational and research programs that serve the community by providing a technological environment that supports continuous learning, scientific research and innovation, and building effective partnerships internally and externally in accordance with international quality standards.

Objectives:

- 1- Enhancing the university's capabilities to develop institutional performance and achieve excellence in all fields.
- 2- Supporting the quality assurance system and continuous improvement in the light of international quality standards.
- 3- Supporting and developing the administrative apparatus and developing the capabilities of its members.
- 4- Developing physical and financial resources, infrastructure and technology.
- 5- Supporting and developing the capabilities of faculty members and the supporting staff .
- 6- Supporting students and graduates and developing their skills.
- 7- Supporting and developing the teaching and learning system.
- 8- Developing the scientific research system and scientific activities.
- 9- Achieving community partnership and sustainable development.
- 10- Internationalizing the university to enhance its competitiveness.

3- Vision - Mission - and Objectives of the Faculty of Dentistry: (Graduate Studies and Research Sector).

Vision: The graduate studies and research sector aspires to international recognition in the fields of graduate studies and research.

Mission: To develop the knowledge and skills of postgraduate students in various dental specialties, as well as in scientific research and medical education, to ensure the preparation of qualified specialists who can provide distinguished medical services, compete for job opportunities, and play an effective role in the future of the profession.

Strategic objectives: Scientific research:

The strategic plan for the postgraduate studies and research sector for the next five years (2022-2026) aims to: Raising the level of scientific research in quantity and quality, as evidenced by the number of research published in specialized international scientific journals with impact factors and included in recognized international databases.

4- The infrastructure for scientific research in the Faculty of Dentistry and university:

- **Clinics:** Clinics of scientific departments and postgraduate studies clinics.
- **Laboratories:** the central laboratory in the Faculty of Dentistry and the laboratories of the scientific departments.
- **Teaching rooms and conference hall.**
- **Libraries:** The library of the Faculty of Dentistry and the central library of the university.
- **Research units** at the university (electron microscopy unit - nanotechnology unit - stem cell laboratory (MERC) - clinical pathology laboratory (Faculty of Medicine) - cytology laboratory,etc.

5- The ethical framework for scientific research:

- **Scientific Research Ethics Committee:** The protocols of all scientific research, whether theses (Master's - PhD) or research papers, are subject to examination and follow-up by the Scientific Research Ethics Committee to ensure the safety of patients and preserve their rights.

- **Plagiarism detection programs:** All scientific research, whether in the form of scientific theses (Master's - PhD) or research papers, is subject to a plagiarism examination using programs such as Turnitin and iThenticate. The university has a clear system for dealing with plagiarism cases.

- **Training courses:** All researchers (whether from inside or outside the university) must attend a training program entitled "Ethics of Scientific Research" that is held regularly at the Center for Developing the Capacity of Faculty Members. The program covers topics (errors in scientific research - rules of scientific research on animals - rules Scientific Research on Humans - Rules and Ethics of Scientific Publishing.)

6- Local and International Cooperation:

Cooperation takes place through internal and external missions and research projects funded from home and abroad, as well as local and international agreements.

7- Sustainability.

III- Objectives of the Research Plan:

Objectives of the university research plan:

- 1- Developing the university's plan and policies for postgraduate studies and scientific research, with the participation of affiliated institutions, and linking them to the national orientations of the state plan 2030, the university's mission, and the needs of the surrounding community.
- 2- Providing a stimulating and supportive environment for scientific research and innovation.
- 3- Internationalizing scientific research and upgrading the position of Mansoura University in the international classification of Egyptian universities.
- 4- Developing scientific research resources.
- 5- Activating the role of scientific research in serving society and industry.

Objectives of the Faculty of Dentistry research plan:

The First Objective: Raising the quality of research:

Strategies:

- Spreading a culture of research excellence.
- Applying strict research ethics controls.
- Training of researchers.
- Rewarding distinguished researchers.
- Developing the scientific journal of the Faculty of Dentistry and subjecting the research published in it to review by peer reviewers under the double blind system.

Key Performance Indicators:

- Increasing the number of grants accepted by national and international bodies.
- Increasing the number of papers accepted for publication in high-level journals.
- The high ranking of the Faculty of Dentistry in the international ranking systems.

The Second Objective: advance research (increase research productivity:(

Strategies:

- Developing capabilities for research activities by expanding and modernizing the Central Research Laboratory.
- Encouraging research cooperation between the various departments in the Faculty of Dentistry and between the Faculty of Dentistry and the counter parts in other universities.
- Attracting research grants from national and international bodies.
- Supporting student applications for international scholarships.

Key Performance Indicators:

- Increasing the rate of publication in scientific journals - books - conferences - and others.
- Increasing the rate of research in the interdisciplinary fields.

The Third Objective: global networks (global communication(

Strategies:

- Encourage students and help them apply for international scholarships and projects.
- Assist researchers in maintaining strong, long-term relationships with supervisors and international colleagues.
- Maintain strong long-term relationships with our international alumni.

Key Performance Indicators:

- Increasing the number of Faculty of Dentistry students abroad.
- Increasing the number of joint projects and activities with international partners.

The Fourth Objective: Community Service:

Strategies:

- Linking scientific research to the needs of society.

Key Performance Indicators:

- The high level of satisfaction of the surrounding community with the service provided.

- Finding solutions to some of the problems facing oral and dental patients.

Fifth Objective: Sustainability:

Strategies:

- Regular reassessments throughout the timeframe of the Strategic Plan (2022-2027.)
- Adopting a dynamic research plan.
- Ensuring continuous funding sources for scientific research.

Key Performance Indicators:

Stability or increase in all key performance indicators.

Matrix of the relationship of the objectives of the university's research plan with its analogues of the objectives of the college's research plan

Objectives of the university's research plan						Objectives of the college research plan
	1. Developing the university plan for scientific research	2. Providing a supportive environment for scientific research	3.Internationalizing scientific research	4. Developing scientific research resources	5.Activating scientific research in the service of society and industry	
1. Raising the quality of research	√		√		√	
2. Increase research productivity	√					
3. Global communication	√	√	√		√	
4. Linking scientific research to the needs of the community	√	√		√	√	
5. Sustainability	√			√		

IV- Research interests in the college:

The selection of research interests in the college took into account the following factors:

- Egypt's Vision 2030 - the vision and mission of the university and the college - the goals of scientific research in the university and the college.
- The scientific specialization of the college in its various departments.
- The current and potential capabilities of scientific research in the college.
- Recent developments in dentistry.
- Societal problems related to oral and dental health.

The college's research interests included the following areas:

- Digital dentistry:
 - (1) Rapid prototyping (RP),
 - (2) 3D dentistry
 - (3) Augmented and virtual reality (AR/VR),
 - (4) Artificial intelligence (AI) and Machine learning (ML)
 - (5) Personalized dentistry
 - (6) Tele-health care
- Modern materials and raw materials used in dentistry ((Dental biomaterials with the use of nanotechnology)) and lasers (Green synthesis) and simulation techniques (Biomimetic techniques).
- The uses of phenogenomics to study the tangible traits (phenotypes) that are controlled by genes (genotypes) by providing information and multi-dimensional analyzes about the microstructure of samples.
- Uses of stem cells and nanotechnology in the treatment of oral and dental diseases.
- Recent developments in clinical applications for dentistry, including rehabilitation for the maxillofacial region.