



# The Six Report of the Deanship of Scientific Research 1436/1437h

## Speech of the Dean of Scientific Research



The Deanship of Scientific Research seeks under the leadership of the university to improve the research system and guide it to serve the society and contribute to sustainable development in the region through establishing the infrastructure of the research centers and processing the laboratories with all the possibilities and the required research expertise that leads the scientific research in the university towards achieving excellence in Different fields of research. In the year 1436/1437H, the Deanship sought to introduce a number of research initiatives and teamwork, and to encourage publication in international journals classified in prestigious international databases, in order to raise the ranking of the Majmaah University of within the universities with prestigious classifications. Part of the problems experienced by the community.

In order to establish the foundations of institutional work, the Deanship evaluates the research performance of the University on a regular basis according to a set of research performance indicators adopted by the King Abdulaziz City for Science and Technology in order to overcome the challenges required by the current stage and achieve a leap forward towards supporting and encouraging activity The research is in line with the national and regional trends in the importance of producing knowledge and the welfare industry, while working on adopting a set of operational objectives in line with the strategic plan of the Deanship which is consistent with the strategic plan of the university

**Dr. Thamer Alharbi**

# Firstly: Activities and events

## 1- Participation in the university's forum for higher studies and scientific research

Based on the vision of the university to become a distinct academic and research environment to create a competitive future for its graduates, the Deanship of Scientific Research participated in the university's forum for graduate studies and scientific research. The forum was held on Wednesday 13/7/1437 AH, and included the following events:

- The accompanying exhibition in which the Deanship of Scientific Research participated in monitoring the research march of the university since its establishment.
- Presentation of a video entitled "Success Story".
- Presentation of the growth of financial or professional support provided by the university through the Deanship of Scientific Research for faculty members, as well as the participation of research centers and faculties of the university.
- Awarding research excellence awards in various branches.

## 2- Scientific meeting between the university and SABIC

Under the auspices of the Deanship of Scientific Research, the cooperation between the University and the distinguished companies in the business sector in the Kingdom of Saudi Arabia has been activated. The university aims to establish strategic partnerships with the leading companies in the business sector in the Kingdom, in order to benefit the university and to support the University's progress to achieve its strategic plan and work towards sustainable development in the region.

At the end of the meeting, they discussed future cooperation and partnership in research, study programs and training.

## 3-Workshop (matrix design and research priority maps)

Within the framework of the Deanship of Scientific Research, the Center for Humanitarian and Administrative Research at Al-Majma University presented a workshop entitled "Design Matrixes and Maps of Research Priorities" on Monday, 4 / 7 / 1437H, in the training room in the female sections of the Faculty of Education in Zulfi. The workshop targeted the female faculty members of the university.

#### **4-Establishment of the scientific meeting of the University**

In the interest of the Deanship of Scientific Research on the advancement and quality of the research process, a number of symposia were held in the University City Theater in Majmaa, the Theater of the College of Education in Al Majmaa and the Theater of the College of Education in Zulfi. At the university campus, the first session was on "The challenges of scientific research and the success industry". The second session was entitled "Important commandments for scholarship". In the theater of the College of Education, the third session was held on "The reality of scientific research in the Arab world". The fourth session was on "Scientific Research Competencies". The fifth and final session was held at the theater of the Faculty of Education in Zulfi for female students. It was about "excellence in scientific research".

#### **5-Awarding Research Excellence Awards**

In continuation of the University's efforts in supporting scientific research and encouraging researchers from faculty members to publish scientific classified files. In support of the scientific activity in the scientific departments and in order to encourage innovation and innovators, the Deanship of Scientific Research announced the launch of the Excellence Awards for researchers from faculty members, Distinguished Research, Distinguished Scholar Award, Distinguished Department Award, and Innovation Award.

#### **6-Participation in the production of a video entitled "Success Story"**

The Deanship of Scientific Research participated in the production and presentation of a video entitled "Success Story", where he talked about the most outstanding achievements of the university's agency for postgraduate studies and scientific research, and the most prominent achievements of the deanships, departments and units affiliated to them. A number of statistics were presented, It is adopting a creative approach from an emerging university to a university of scientific and research excellence in the various fields of science.

#### **7-Preparing the students for the Seventh Student Scientific Conference**

The Deanship of Scientific Research held scientific courses for university students wishing to participate in the 7th Student Conference. The Deanship of Scientific Research has specialized in the basics of scientific research, how to write a scientific article, and the method of preparing and presenting presentations.

## 8-Satisfaction of faculty members with the programs and services provided by the Deanship

On the basis of the principle of quality and development of work in the Deanship of Scientific Research, the Deanship reviewed the satisfaction of the faculty members at the Majmaah University about the programs and services provided at the Deanship. The survey covered all programs and services provided by the Deanship of Scientific Research, in addition to the most positive and negative aspects from the point of view of faculty members. The results of this survey were used to highlight the point of view of the beneficiaries of the services provided. The discussion among the staff of the Deanship about the many valuable observations in the survey and then developing the work of the Deanship to raise the quality and hope in the process of scientific research.

### Secondly : Organizational Development

#### 1-Launch of a number of scientific research support programs

The Deanship of Scientific Research has launched four newly introduced programs to support scientific research, ISI's award program, a pilot program, graduate student support program, student research support program or graduation projects. The following table shows the updated programs and the target group

Programs	Target
ISI Rewards Program	Faculty members with the rank of assistant professor, lecturer or professor (principal researcher).
Pioneer Program	Administrators and lecturers
Support Program for Graduate Students	Graduate students
Student Research Support Program or Graduation Projects	BSc r Students

#### 2-Contribution to the achievement of the second strategic plan of the Al - Majmaah University 1440

The Deanship of Scientific Research contributes to the implementation of the strategic plan of Al-Majmaah University 1440H, which is the preparation of the operational plan of the Deanship of Scientific Research, which is related to the sixth strategic objective, which is to improve the qualitative value of scientific research and innovation according to the development priorities. The Deanship of Scientific Research operates according to an operational plan that is prepared and built, including the development of scientific research in quantity and quality, directing scientific research according to

development priorities and inter-research, governance of the research system and scientific publishing.

## **Thirdly, Supported Research Projects**

### **1-Sixth period to support research projects from within the university**

The Deanship of Scientific Research has received 165 research proposals for faculty members in accordance with the published research priorities through its research project management system, at its sixth session of the academic year 1436/1437 AH. The councils of the research centers evaluated and arbitrated the research projects provided for support to identify the accepted research projects for the support, in order to achieve the strategic plan of the Deanship of Scientific Research, in harmony with and consistent with the strategic plan of the University. The number of researches received during the deadline was 165 research projects as shown in the table

Center	No. of supported research
Center for Human and Administrative Sciences Research	72
Research Center of Health and Scientific Colleges	20
Research Center of Engineering and Applied Sciences	15
Basic Science Unit	58
Total	165

### **2-Supporting outstanding research**

Distinguished research is research by faculty members and is not part of the researches approved in the research plan supported by the research centers and the Deanship of Scientific Research at the university, but they are original and innovative and contribute to the enrichment of specialized knowledge and serve the community. Scientific journals classified in the ISI The Deanship has supported 15 research in this framework SCOPUS.

### **3-Obtain external support for research projects**

The Deanship has established an external support unit to provide support to faculty members for research funded by external funding bodies and to follow up the implementation of these research according to the time plan set and the amounts allocated as a research budget.

The General Administration for Research Grants in the King Abdulaziz City for Science and Technology (KACST) at its second session in 2016 received 32 research proposals from faculty members from different disciplines. The results of these research proposals have yet to be announced

#### **4-Signing contracts for research projects for the fifth cycle**

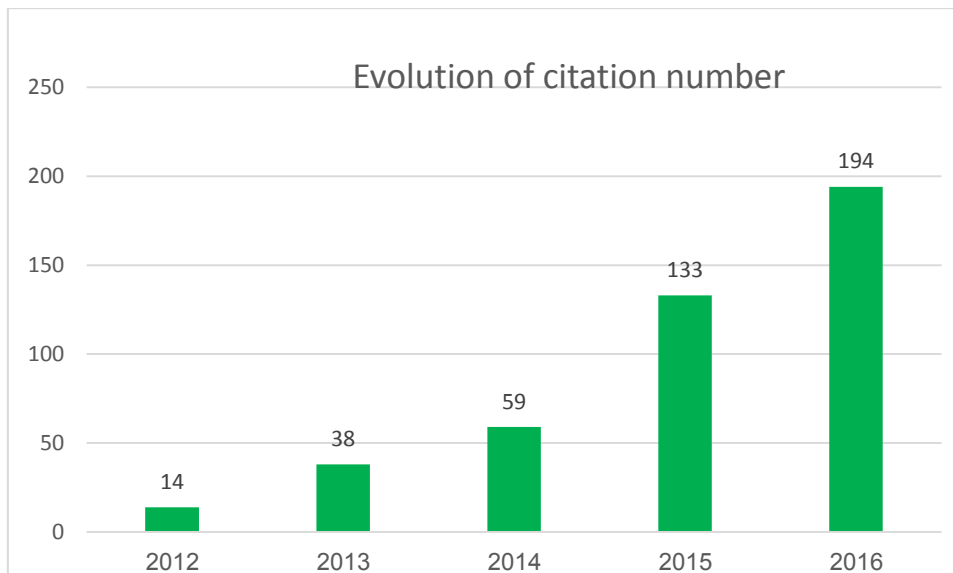
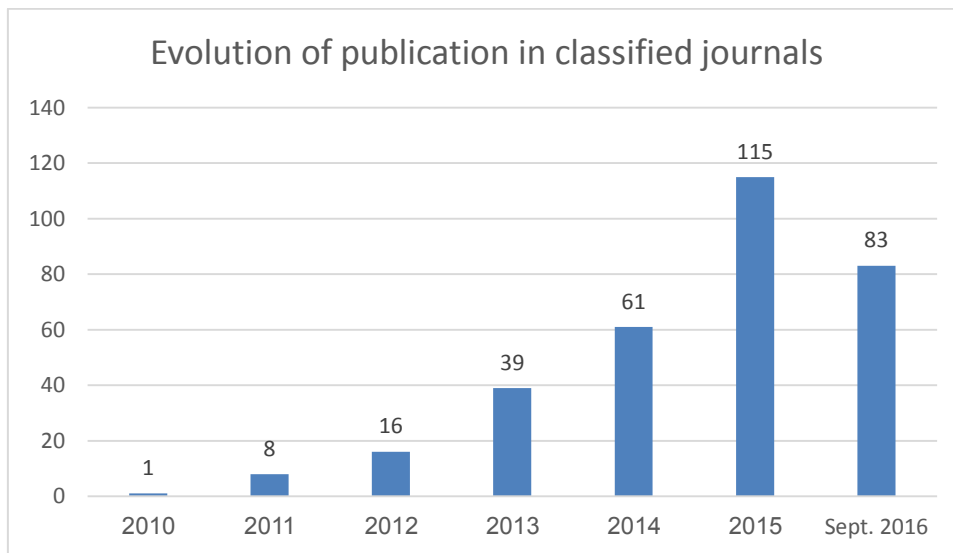
The Deanship of Scientific Research organized the signing ceremony of the contracts of the fifth session of the research projects supported for the academic year 1435-1436. The Dean of Scientific Research stressed the Deanship's keenness to implement the university's directives in nurturing and developing the research environment through continuous improvement of the research procedures and plans that are announced and implemented annually. This led to a steady increase in the budget of research projects at an accelerated pace and concerted efforts to achieve the goals and aspirations of scientific leadership. Through increased publication in prestigious scientific journals such as ISI and Scopus magazines.

All the research projects were received through the research project management system (researcher). All of them were subject to a unified arbitration mechanism that takes into consideration all scientific and technical aspects. 196 research proposals were received from all faculties of the university. 78 research projects were funded with a total value exceeding 2 million riyals , And all the research projects that were accepted were among the research areas announced by the Deanship, and these areas are vital and important areas serving the community and the local region.

### **Fourth: The research output of the Majmaah University**

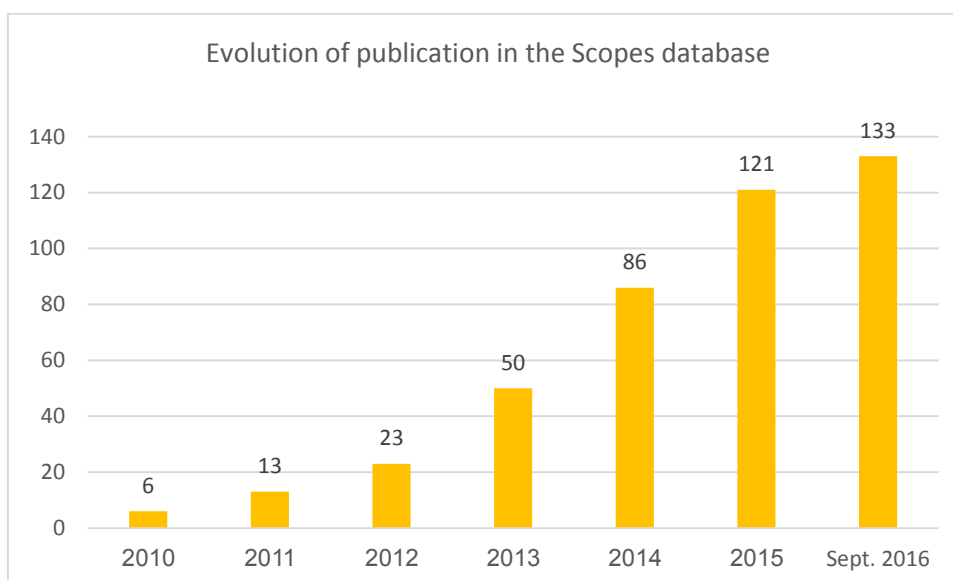
#### **1-Publish research production in magazines classified in the Thomson Reuters database**

The Deanship of Scientific Research is always keen to encourage researchers to publish their scientific production in the classified international journals and to work to raise the international classification of the university among other local, regional and international universities.



## 2-Publication of research production in magazines classified in the Scopes database





### 3-Publication of research production in journals classified in the scientific researcher database

Numbers	Year
50	<b>2011</b>
76	<b>2012</b>
152	<b>2013</b>
197	<b>2014</b>
387	<b>2015</b>
327	<b>(Aguste) 2016</b>

## 4-Results of the measurement of research performance indicators at the Majmaah University 1435/1436h

Performance Index	Concept and method of measuring the indicator	Measure the indicator
1. The rate of published research published in the fields of science and technology	The number of research papers published in the fields of science and technology is measured by the total number of published researches published in all fields	150 divided by 250 = 60%
2 - the number of published in scientific journals in the previous year for each faculty member full-time or equivalent + (faculties)	Full-time faculty members are those who are at least an Assistant Professor. The index is measured by dividing the number of research published in refereed journals divided by the number of university faculty members who are at least the rank of assistant professor.	In light of the available information, the measurement of the indicator is: 250 divided by 399 = 0.62 published research per faculty member
3. Percentage of faculty members (full-time) who have at least one researched research in the previous year	The index is measured by dividing the number of faculty members who have at least one controlled research divided by the number of university faculty members who are at least the rank of Associate Professor.	In light of the available information, the measurement of the indicator is: 81 divided by 399 = 20%
4. Patent rate	Is measured by dividing the number of patents at the university divided by the total number of faculty members of the university who are at the rank of assistant professor at least.	4:399
5. Patents in strategic areas	Strategic areas are scientific disciplines in science and technology	4
6. Published strategic research rate	Measured by the division of research in science and technology divided by the total number of research in different disciplines	150 divided by 250 = 60%
7. Number of joint research projects	What is meant by joint research is research between university employees and other Saudi and non-Saudi universities	The number of joint researches 62, of which 17 with Saudi universities, and 45 with non-Saudi universities
8-The rate of researchers in the fields of science and technology	The index is calculated by the number of faculty members who are at the rank of Assistant Academic Assistant at least in the fields of science and technology divided by the number of faculty members of the university who are at the rank of Assistant Academic Assistant at least.	117 divided by 399 = 29%
9 - The research from external sources in the previous year, the ratio of the number of faculty members full - time	By dividing external sources in the previous year, the percentage of full-time faculty members who are at the rank of Assistant Professor Academy is calculated at least.	Million riyals divided by 399 faculty members = 2506 riyals per faculty member
10. The rate of strategic researchers	The index is calculated by the number of faculty members who are at the rank of Assistant Academic Assistant at least in the strategic areas divided by the number of faculty members of the university who are at the rank of Assistant Academic Assistant at least.	117 divided by 399 = 29%
11. Gross domestic product expenditure on research in science and technology	Is calculated through the amount of support provided by the Deanship to support research in the fields of science and technology divided by the total support allocated by the	1.3 million riyals divided by 2 million riyals = 65%

	Deanship to support research in various fields.	
12. Gross domestic product (GDP) spent on research	Calculated through the amount of support provided by the Deanship to support research in all areas divided by the total budget of the University.	2 million riyals divided by 950 million riyals = 0.0021

## 5-Comparison of indicators of the performance of scientific research in the university

Al-Majmaa University has achieved a good position in terms of research compared to other Saudi universities according to the classification of Saudi universities in the Web of Knowledge Thomson Reuters, according to the report issued by the King Abdul Aziz City for the Arts and Technology in cooperation with Thomson, Research of the scientific institutions in the Kingdom during the period from 2008 to 2012. According to the report, the university has achieved progress in the international publishing, especially in the fields of engineering, physical science and mathematics and in the outputs of disciplines related to life sciences such as biology and clinical sciences , And the medical and health sciences, where the reference citations obtained for quotations reached 0.85, while the global average was 1.00, while the rate obtained by King Saud University was 0.99.

This new scientific addition to Al Majmaa University proves that the university is moving in the right direction to achieve competitiveness in the field of scientific research. Investors are directly supported by the Rector, the senior leadership, the cooperation of deans and the readiness of faculty members after Tawfiq Allah. The objectives of the Deanship of the Scientific Research.

## 6-Building a research database published at the university

The Deanship sought to build a database of published research for the university staff to be available on the site

Electron and is used to disseminate scientific research and definition, and achieve this through the mile:

- Utilizing a research system to limit research supported by the university.
- Cooperating with the Deanship of Library Affairs in the construction of a digital repository that provides data on published research for university staff.

## Fifth: Problems and obstacles and future development visions of the Deanship

### 1- Problems and obstacles faced by the Deanship

Of course, there are some problems, obstacles and difficulties encountered in the process of development in the Deanship, and have been treated and overcome by the grace of God and the support of the leadership of the

University and on top of the unlimited support to the Director of the University. The following table summarizes these problems and obstacles and how to treat them:

<b>Problems and obstacles</b>	<b>Ways to treat problems and obstacles</b>
<ul style="list-style-type: none"> <li>• There is no limit to the scientific production of faculty members at the university by their scientific departments</li> </ul>	<ul style="list-style-type: none"> <li>• Issuing a manual for intellectual production of faculty members at the University of Majma'a.</li> </ul>
<ul style="list-style-type: none"> <li>• Poor provision of the Deanship of research production supported by the University</li> </ul>	<ul style="list-style-type: none"> <li>• Link the disbursement of support funds to research projects according to the percentage of achievement for each research project.</li> <li>• Coordinate with the research centers to submit periodic reports on the percentage of completion of research projects.</li> </ul>
<ul style="list-style-type: none"> <li>• There is no database for external arbitrators</li> </ul>	<ul style="list-style-type: none"> <li>• Coordinate with research centers to create databases for arbitrators.</li> </ul>
<ul style="list-style-type: none"> <li>• The multiplicity of procedures and papers necessary to apply for support for research projects, and follow-up of accepted research for support.</li> </ul>	<ul style="list-style-type: none"> <li>• Portal and project management system is designed research.</li> </ul>
<ul style="list-style-type: none"> <li>• Insufficient evidence for research support</li> </ul>	<ul style="list-style-type: none"> <li>• The Handbook of Supported Research Procedures Manual has been issued.</li> </ul>
<ul style="list-style-type: none"> <li>• Lack of encouragement for faculty members at the university level</li> </ul>	<ul style="list-style-type: none"> <li>• To activate the excellence of research excellence in the four fields: distinguished researcher, distinguished research, distinguished scientific section, creativity and innovation.</li> </ul>
<ul style="list-style-type: none"> <li>• Do not direct some research to contribute to overcoming societal problems</li> </ul>	<ul style="list-style-type: none"> <li>• Redrawing the map of scientific research in the university according to the strategic directions, and in connection with each of the plans of the Ministry of Higher Education in the Kingdom and the plans of King Abdul Aziz City for Science and Technology.</li> <li>• Launch of Research Priorities 1435/1440</li> </ul>
<ul style="list-style-type: none"> <li>• Lack of communication programs with beneficiaries</li> </ul>	<ul style="list-style-type: none"> <li>• Holding scientific meetings in colleges in the provinces where there are branches of the university, in order to build bridges of communication, and encourage scientific research.</li> </ul>

## **2-Future development visions for the Deanship**

### **The Deanship of Scientific Research at the**

The University has a clear vision and a specific mission to develop intellectual production for faculty members and research centers, improve its tools, and work to overcome difficulties for researchers. The future development visions of the Deanship can be presented as follows:

- Forming distinguished research groups that include researchers from interdisciplinary disciplines to produce quality research.

- Implementing the establishment of a central building for university research centers in one geographical location, with the necessary equipment being completed.
- Completion of the establishment of research laboratories specialized research centers.
- Contribute to supporting studies aimed at developing administrative organization at the university level.
- Visits to a number of distinguished entities in support of the scientific research movement both inside and outside the Kingdom, with memorandums of understanding with local, regional and international universities for cooperation in the field of scientific research.
- Holding workshops for government units and departments to spread the culture of scientific research and its role in solving the problems of society.
- Preparation of a database on local and global conferences.
- Agreements between university research centers and their counterparts in different universities.