

**Ministry of Higher Education  
and Scientific Research  
University of Misan  
College of Agriculture**



**Handbook of the College of Agriculture**

**For the academic year**

**2021/2020**

**Guide Preparation Committee**

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### **The speech of the college dean:**

**We welcome you to the College of Agriculture guide, which represents the definition of the various activities and achievements and the coverage of all service aspects that the college provides. With information and data that contribute to spreading the college's role in various scientific, educational and research fields.**

**And a means of communicating with faculty members and students, as it is a link between the college and the community to meet the needs of the labor market for skilled and competent cadres.**

**This has been keen on upgrading the method of teamwork in all fields in general and in the agricultural field in particular, in line with the university's interest and its growing role in developing education so that we can rise together and we can keep pace with this scientific and technological development in addition to benefiting from this development in community service, which is in the interest of Our dear governorate, and I leave you in the grace of God, so that you can browse the many areas and services provided by the college of Agriculture guide, University of Misan.**

## College of Agriculture : An Overview

**It is one of the colleges of Misan University that is concerned with agricultural sciences and scientific techniques used in agricultural, plant and animal activities. It was opened in 2012 and includes two departments: Department of Animal Production and the Department of Plant .Protection**

**Among the goals of the college is to contribute to the development of the agricultural sector by graduating a technical engineering staff with knowledge of the sciences of the agricultural sector in a way that makes them qualified to contribute to meeting the needs of the agricultural sector.**

**The Plant Protection Department prepares students and provides them with relevant scientific vocabulary in the field of specialization for general knowledge and scientific methods in the field of plant protection in its branches related to agriculture and agricultural pests, which include insects, diseases, jungles, laboratory diagnosis, and precise procedures in the field of pest control to qualify them to work as agricultural engineers in the future and work in the sector Government and the private sector, and to contribute to protecting the national economy from the risks of agricultural pests.**



**The Department of Animal Production relies on knowledge and agricultural sciences in the field of livestock and sciences related to animal husbandry, benefiting from animal products, the nature of nutrition, diseases to which cattle, sheep, buffaloes, chickens, fish, etc. are exposed, and the modern method in the field of raising animals of all kinds, improving and developing animal husbandry and caring for them. Agriculture College is important in graduating a generation of students who contribute to many fields and the task in agriculture and the promotion of local crops and the production of products that cover the market need in the provinces.**

# Council of the College of Agriculture

## 2020/2021

| No. | Name                        | The position                                    |
|-----|-----------------------------|---|
| 1   | Prof.Dr.Bashar J. Jumah     | The Dean  |
| 2   | Inst. Ahmed F. Shamikh      | Dean Assistant for Scientific Affairs           |
| 3   | Dr. Ali A. Hashim           | Dean Assistant for Managerial and Legal Affairs |
| 4   | Dr. Zainab S. Hassan        | Head of Animal Production Department            |
| 5   | Dr. Ali H. Harfish          | Head of Plant Production Department             |
| 6   | Asst.Inst. Zaidon T. Hashim | Secretary of the Council                        |
| 7   | Inst. Ahmed S. Hussein      | Representative of Academics Syndicate           |

## *Vision*

*Achieving excellence and leadership in agricultural science education, scientific research, and community service*

## *Mission*

*Our college seeks to provide distinguished academic programs that conform to quality standards and academic accreditation to provide students with knowledge in the agricultural field to keep pace with the requirements of the labor market.*

## **The general objectives of the College of Agriculture**

*1- Raising the students 'level of knowledge, skills and research.*

*2- Creating an appropriate university environment that stimulates the capabilities of the university lecturers and the students to reach a qualitative scientific productivity.*

*3- Development of scientific, professional and educational capabilities and capabilities.*

*4- Working to enter international rankings.*

*5- Development and training of the administrative work system in the college Scientific leadership and administrative staff.*

*6-Adopting the principle of the productive college and diversifying the sources of funding.*

*7-Achieving integration between educational outcomes and the labor market.*

*8-Openness to society locally and globally and to enhance communication for a purpose Achieving the desired goals.*

## Statistical scientific titles

| No. | The Department    | Masters | PhD | Sum. | Asst Prof | Prof | Instructor | Asst Instructor |
|-----|-------------------|---------|-----|------|-----------|------|------------|-----------------|
| 1   | Animal Production | 13      | 5   | 18   | 3         | 1    | 8          | 6               |
| 2   | Plant Protection  | 12      | 7   | 19   | 6         | 1    | 5          | 7               |

A statistic of the number of employees in the College of Agriculture on the permanent owner

| B.Sc | Diploma | Baccalaureate | Intermediate | primary | Without certification |
|------|---------|---------------|--------------|---------|-----------------------|
| 26   | 11      | 5             | 1            | 18      | 13                    |



# Scientific departments

**1- Department of Animal Production.**

**2- Department of Plant Protection.**

## Department of Animal Production.

### Vision

The Animal Production Department aims to prepare distinguished graduates who are able to develop the agricultural sector, especially the animal production sector, because this sector has a great role in supplying the national economy. The department also aims, through scientific energies and competencies, to employ and establish courses and scientific research and to propose research projects that would develop the reality of production Animal in our dear homeland.

### The message

The department adopts the preparation and development of educational and research programs that will lead to achieving and raising the standards of scientific quality and competence and thus developing the reality of agricultural development in the country, especially the livestock sector.

### Department goal

Preparing distinguished graduates who are able to work in the agricultural sector, especially the livestock sector, and to raise the national economy.

## Faculty members in the Department of Animal Production

| No. | Name                             | Specialization    |
|-----|----------------------------------|-------------------|
| 1   | Prof.Dr. Bashar J. Jumah         | Soil chemistry    |
| 2   | Asst.Prof.Dr. Ezaldeen K. Najim  | Food Chemistry    |
| 3   | Asst.Prof.Dr. Qayser. A. Kreedly | Poultry diseases  |
| 4   | Dr. Zainab S. Hassan             | animal physiology |
| 5   | Dr. Anwar H. Dhaher              | Food Sciences     |
| 6   | Inst. Ahmed M. Jumah             | Plant diseases    |
| 7   | Asst.Prof. Mohammed H. Mohammed  | Fish production   |
| 8   | Inst. Ahmed F. Shamikh           | Gardening         |
| 9   | Inst. Ahmed S. Hussein           | Molecular biology |
| 10  | Asst.Inst.Hassan K. Ali          | Food Sciences     |
| 11  | Asst.Inst. Noor F. Mahdi         | Meat              |
| 12  | Asst.Inst.Shabeeb M. Jasim       | Food Sciences     |
| 13  | Asst.Inst.Sadiq F. Hasnawi       | Food Sciences     |
| 14  | Asst.Inst.Hasaneen N. Abood      | Food Sciences     |
| 15  | Asst.Inst. Abdulradhe A. Jafer   | Food Sciences     |
| 16  | Asst.Inst. Maysaa M. M. ALi      | animal production |
| 17  | Asst.Inst. Dunia M. Muhsen       | Gardening         |
| 18  | Asst.Inst.Rasha N. Abed          | Food Sciences     |



## Academic programs

1<sup>st</sup> year

|                       |                        | Subject                                 | Units                    |
|-----------------------|------------------------|---|--------------------------|
| <b>First Semester</b> |                        | <i>Analytical Chemistry</i>             | 3.5                      |
|                       |                        | <i>Principles of Soil Science</i>       | 3.5                      |
|                       |                        | <i>Principles of Animal Production</i>  | 3.5                      |
|                       |                        | <i>Principles of Plant Protection</i>   | 3.5                      |
|                       |                        | <i>Plane Surveying</i>                  | 2.5                      |
|                       |                        | <i>Computer Implementations ( 1 )</i>   | 1.5                      |
|                       |                        | <i>English Language ( 1 )</i>           | 1                        |
|                       |                        | <i>Human Rights And Public Freedoms</i> | 1                        |
|                       | <b>second Semester</b> |   | <i>Organic Chemistry</i> |
|                       |                        | <i>Principles Of Field Crops</i>        | 3.5                      |
|                       |                        | <i>Principles Of Statistics</i>         | 3.5                      |
|                       |                        | <i>Principles Of Poultry</i>            | 3.5                      |
|                       |                        | <i>Mathematics</i>                      | 3                        |
|                       |                        | <i>General Zoology</i>                  | 3.5                      |
|                       |                        | <i>English Language ( 2 )</i>           | 1                        |
|                       |                        | <i>Arabic Language</i>                  | 2                        |

2<sup>nd</sup> year

|                       |                        | Subject                                    | Units                            |     |
|-----------------------|------------------------|--|----------------------------------|-----|
| <b>First Semester</b> |                        | <i>Biochemistry</i>                        | 3.5                              |     |
|                       |                        | <i>Animal Product Hygiene</i>              | 3.5                              |     |
|                       |                        | <i>Principles Of Fish</i>                  | 3.5                              |     |
|                       |                        | <i>Principles Of Horticulture Science</i>  | 3.5                              |     |
|                       |                        | <i>Principles Of Agriculture Extension</i> | 2                                |     |
|                       |                        | <i>Principles Of Microbiology</i>          | 3.5                              |     |
|                       |                        | <i>Mechanical Of Animal Production</i>     | 3.5                              |     |
|                       | <b>Second Semester</b> |  | <i>Genetics</i>                  | 3.5 |
|                       |                        |  | <i>Forage Crops and Pastures</i> | 3.5 |
|                       |                        | <i>Fish Breeding and Production</i>        | 3.5                              |     |
|                       |                        | <i>Principles Of Dairy Science</i>         | 3.5                              |     |
|                       |                        | <i>Principles Of Agriculture Economic</i>  | 2                                |     |
|                       |                        | <i>Freedom and Democracy</i>               | 1                                |     |
|                       |                        | <i>Computer Implementations ( 2 )</i>      | 1.5                              |     |

3<sup>st</sup> year

|                       |                        | Subject                                 | Units                     |
|-----------------------|------------------------|---|---------------------------|
| <b>First Semester</b> |                        | <i>Animal Physiology</i>                | 3.5                       |
|                       |                        | <i>Hatchery and Hatcheries</i>          | 3.5                       |
|                       |                        | <i>Animal Nutrition</i>                 | 3.5                       |
|                       |                        | <i>Economics Of Animal Production</i>   | 3                         |
|                       |                        | <i>Ecology and Animal Behavior</i>      | 2                         |
|                       |                        | <i>Experiment Design and Analysis</i>   | 3.5                       |
|                       |                        | <i>Medical and veterinary Insects</i>   | 3.5                       |
|                       | <b>Second Semester</b> |   | <i>Poultry Physiology</i> |
|                       |                        | <i>Technology Of Poultry Production</i> | 3.5                       |
|                       |                        | <i>Feeds and Rations</i>                | 3.5                       |
|                       |                        | <i>Animal Diseases</i>                  | 3.5                       |
|                       |                        | <i>Animal Breeding</i>                  | 3.5                       |
|                       |                        | <i>Reproductive Physiology</i>          | 3.5                       |
|                       |                        | <i>Computer Implementations ( 3 )</i>   | 1.5                       |

4<sup>st</sup> year

|                       |                         | Subject                                    | Units                         |     |
|-----------------------|-------------------------|--|-------------------------------|-----|
| <b>First Semester</b> |                         | <i>Poultry Nutrition</i>                   | 3.5                           |     |
|                       |                         | <i>Breeding and Improvement Of Poultry</i> | 3.5                           |     |
|                       |                         | <i>Sheep and goat Production</i>           | 3.5                           |     |
|                       |                         | <i>Meat Production</i>                     | 3.5                           |     |
|                       |                         | <i>Management and Poultry Production</i>   | 3.5                           |     |
|                       |                         | <i>Pastures Management</i>                 | 3.5                           |     |
|                       |                         | <i>Research Project</i>                    | 1.5                           |     |
|                       | <b>Second Semester</b>  |  | <i>Poultry Pathology</i>      | 3.5 |
|                       |                         |  | <i>Molecular Microbiology</i> | 3.5 |
|                       |                         | <i>Dairy Cattle Production</i>             | 3.5                           |     |
|                       |                         | <i>Meat Science</i>                        | 3.5                           |     |
|                       |                         | <i>Buffalo Production</i>                  | 2                             |     |
|                       | <i>Seminars</i>         | 1  |                               |     |
|                       | <i>Research Project</i> | 1.5  |                               |     |

## **Department of Plant Protection.**

### **The message**

Harnessing all scientific and research capabilities in their theoretical and practical aspects in order to meet the challenges facing the agricultural sector by working on preparing and graduating competent agricultural engineers with the ability to solve problems related to plant protection and control of various agricultural pests in order to improve the agricultural sector and raise the quality of agricultural crops in terms and quality, which in turn contributes In support of the general economy of the Iraqi state

### **Vision of the Department of Plant Protection**

Upgrading students' scientific level by developing educational curricula, revitalizing the applied practical side, and striving to introduce the latest agricultural devices and techniques in the field of plant protection, in addition to expanding the department towards opening higher studies and developing the teaching staff to achieve comprehensive quality that contributes to raising the sequence of the department and the college in the international classifications.

### **Objectives of the Plant Protection Department**

- 1- Preparing agricultural engineers who are able to contribute to the investment of their scientific energies in solving agricultural problems, especially those related to plant protection, and thus the ability to compete with the labor market.
- 2- Working to develop the teaching staff in the department by sending them in developmental courses in reputable international universities.
- 3- Expanding buildings, halls and laboratories with specifications that adhere to the standards of quality and academic accreditation.
- 4- Developing and updating the department's curriculum.
- 5- Cooperating and coordinating with the relevant state departments in order to invest the results of scientific research for teachers and students in order to solve the problems facing the agricultural sector.
- 6- Raise the department and college hierarchy within the international classifications by encouraging and revitalizing publishing in international containers and adhering to quality standards and academic accreditation.

## Academic programs

**1<sup>st</sup> year**

|                       |                        | Subject                           | Units                             |
|-----------------------|------------------------|-----------------------------------|-----------------------------------|
| <b>First Semester</b> |                        | <i>Principles Of Insects 1</i>    | 3.5                               |
|                       |                        | <i>General Animal</i>             | 3.5                               |
|                       |                        | <i>Basic Of Horticulture</i>      | 3.5                               |
|                       |                        | <i>Agric. Economic</i>            | 2                                 |
|                       |                        | <i>Mathematics</i>                | 3                                 |
|                       |                        | <i>Computer Implementations 1</i> | 1                                 |
|                       |                        | <i>Human Rights</i>               | 1                                 |
|                       | <b>Second Semester</b> |                                   | <i>Principles Of Soil Science</i> |
|                       |                        | <i>English Language 1</i>         | 1                                 |
|                       |                        | <i>Computer Implementations 2</i> | 1                                 |
|                       |                        | <i>Organic Chemistry</i>          | 3.5                               |
|                       |                        | <i>General Botany</i>             | 3.5                               |
|                       |                        | <i>Principles Of Insects 2</i>    | 3.5                               |

**2<sup>st</sup> year**

|                       |                        | Subject                                    | Units                       |
|-----------------------|------------------------|--|-----------------------------|
| <b>First Semester</b> |                        | <i>Principles Of Microbiology</i>          | 3.5                         |
|                       |                        | <i>Plant Classification</i>                | 3.5                         |
|                       |                        | <i>Agric. Machinery</i>                    | 3.5                         |
|                       |                        | <i>Plant Physiology</i>                    | 3.5                         |
|                       |                        | <i>Principles Of Agriculture Extension</i> | 2                           |
|                       |                        | <i>Principles Of Statistics</i>            | 3.5                         |
|                       |                        | <i>Computer Implementations 3</i>          | 1                           |
|                       |                        | <i>Principles of Animal Production</i>     | 3.5                         |
|                       | <b>Second Semester</b> |  | <i>Analytical Chemistry</i> |
|                       |                        | <i>Plant Nutrition</i>                     | 3.5                         |
|                       |                        | <i>Freedom and Democracy</i>               | 1                           |
|                       |                        | <i>Principles Of Field Crops</i>           | 3.5                         |
|                       |                        | <i>Medical and veterinary Insects</i>      | 3.5                         |
|                       |                        | <i>Arabic Language</i>                     | 2                           |
|                       |                        | <i>English Language 2</i>                  | 1                           |
|                       |                        | <i>Insects Classification</i>              | 3.5                         |
|                       |                        | <i>Computer Implementations 4</i>          | 1                           |

**3<sup>st</sup> year**

|                       |                        | Subject                               | Units                          |     |
|-----------------------|------------------------|---------------------------------------|--------------------------------|-----|
| <b>First Semester</b> |                        | <i>Biochemistry</i>                   | 3.5                            |     |
|                       |                        | <i>Experiment Design and Analysis</i> | 3.5                            |     |
|                       |                        | <i>Genetics</i>                       | 3.5                            |     |
|                       |                        | <i>Ecology</i>                        | 3.5                            |     |
|                       |                        | <i>Insects Physiology</i>             | 3.5                            |     |
|                       |                        | <i>Mycology 1</i>                     | 3.5                            |     |
|                       | <b>Second Semester</b> |                                       | <i>Plant Diseases</i>          | 3.5 |
|                       |                        |                                       | <i>Weeds &amp; Its Control</i> | 3.5 |
|                       |                        | <i>Nematode</i>                       | 3.5                            |     |
|                       |                        | <i>Mycology 2</i>                     | 3.5                            |     |
|                       |                        | <i>Plant Breeding</i>                 | 3.5                            |     |
|                       |                        | <i>Apiculture</i>                     | 3.5                            |     |
|                       |                        | <i>Biotechnology</i>                  | 3.5                            |     |
|                       |                        | <i>English Language 3</i>             | 1                              |     |

**4<sup>st</sup> year**

|                       |                           | Subject                                       | Units                             |     |
|-----------------------|---------------------------|---|-----------------------------------|-----|
| <b>First Semester</b> |                           | <i>Crops Diseases</i>                         | 3.5                               |     |
|                       |                           | <i>Pesticides</i>                             | 3.5                               |     |
|                       |                           | <i>Insects Ecology</i>                        | 3.5                               |     |
|                       |                           | <i>Storage Pests</i>                          | 3.5                               |     |
|                       |                           | <i>Vegetables Diseases &amp; Green Houses</i> | 3.5                               |     |
|                       |                           | <i>Biological Control</i>                     | 3.5                               |     |
|                       |                           | <i>Research Project</i>                       | 1.5                               |     |
|                       | <b>Second Semester</b>    |   | <i>Fruit Diseases</i>             | 3.5 |
|                       |                           |   | <i>Plant Virology</i>             | 3.5 |
|                       |                           |   | <i>Crops Insects</i>              | 3.5 |
|                       |                           |   | <i>Iconology</i>                  | 3.5 |
|                       |                           |   | <i>Orchards Insects</i>           | 3.5 |
|                       |                           |   | <i>Integrated Pest management</i> | 2   |
|                       |                           | <i>Research Project</i>                       | 1.5                               |     |
|                       | <i>English Language 4</i> | 1   |                                   |     |
|                       | <i>Seminar</i>            | 1   |                                   |     |

## Faculty members in the plant protection department

| No. | Name   | Specialization          |
|-----|--|-------------------------|
| 1   | Prof. Dr. Ghassan Mahdi Dagher                   | Plant diseases          |
| 2   | Asst. Prof. Dr. Talal Hussein Saleh              | Mycology                |
| 3   | Asst. Prof. Dr. Durgham Sabeeh Karim             | Field crops             |
| 4   | Asst. Prof. Dr. Ismail Ibrahim<br>Mohammed Saleh | Plant diseases          |
| 5   | Asst. Prof. Dr. Abdul Karim Qasim Jabr           | Plant diseases          |
| 6   | Asst. Prof. Ali Azafah Tohme                     | Plant diseases          |
| 7   | Dr. Ali Hassan Harfish                           | Insects                 |
| 8   | Asst. Prof Qusay Hatab past                      | Plant diseases          |
| 9   | Dr. Ali Abbas Hashem                             | mechanization           |
| 10  | Asst.Inst. Fatima Qassem Hamdan                  | Insects                 |
| 11  | Asst.Inst. Worood Jabbar Idan                    | Field crops             |
| 12  | Inst. Karrar Akram Kamel                         | Plant Science           |
| 13  | Asst.Inst. Salah Abdel-Hassan Ghaylan            | Horticulture            |
| 14  | Asst.Inst. Ali Hussein Nameh                     | Insects                 |
| 15  | Asst.Inst.. Zaidon Tarik Hashim                  | Analytical<br>Chemistry |
| 16  | Asst.Inst. Farhan Jassim Mohammed                | Insects                 |
| 17  | Asst.Inst. Asaad Shamil Attia                    | Food science            |
| 18  | Dr.. Alaa Kazem Farhan                           | Agricultural<br>economy |
| 19  | Asst.Inst. Mohammed Hamdan Gadban                | Plant diseases          |

## Official scientific accounts for teaching staff

| No | Name                                  | E.mail   | ORCID-ID   |
|----|---------------------------------------|--|--|
| 1  | <a href="#">Bashar J. J. Al-Sabah</a> | <a href="mailto:dr.basharalsabah@gmail.com">dr.basharalsabah@gmail.com</a>       |  |
| 2  | Ghassan Mahdi Daghir                  | <a href="mailto:daghirg@uomisan.edu.iq">daghirg@uomisan.edu.iq</a>               | <b>0000-0001-9548-1609<br/>ID:57216336028</b>  |
| 3  | Talal Hussein Saleh                   | <a href="mailto:talalsalih51@gmail.com">talalsalih51@gmail.com</a>               |  |
| 4  | Ismail Ibrahim Alyaseri               | <a href="mailto:ismailalyaseri@uomisan.edu.iq">ismailalyaseri@uomisan.edu.iq</a> |  |
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| 7  | Dhurgham Sabeeh K Altai               | <a href="mailto:Dhurgham.sabih@uomisan.edu.iq">Dhurgham.sabih@uomisan.edu.iq</a> | <b>0000-0001-7573-6977<br/>Scopus Author ID:<br/>57216875512</b>   |
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| 21 | Fatimeh Qassem Hamdan                 | <a href="mailto:Fatimehmdan88@gmail.com">Fatimehmdan88@gmail.com</a>             |  |
| 23 | Salah Abdulhassan Ghaylan             | <a href="mailto:Salah56@gmail.com">Salah56@gmail.com</a>                         |  |

|    |                            |  |  |
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## Papers published in Scopus indexed journals

| No | Name                              | No. | Journal title   | Published research   |
|----|-----------------------------------|-----|---|--|
| 1  | Prop.Dr.Ghassan M. Dagher         | 4   | <i>PLANT ARCHIVES</i>   | First record the fungus bipolaris australiensis as a cause of leaf blight date palm in misan and attempt to control it in in vitro condition                   |
|    |                                   |     | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | First report of leaf blight disease caused by Rhizoctonia Solani KÜhn on ornamental plants in Iraq   |
|    |                                   |     | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Effectiveness of Conocarpus lancifolius Extract against Insects and Pathogenic Fungi   |
|    |                                   |     | <i>PLANT ARCHIVES</i>   | Investigation of the causes of root rot and damping-off diseases of okra and testing the effectiveness of pseudomonas fluorescens in disease control           |
| 2  | Asst.Prof.Dr.Ismail I Alyaseri    | 3   | <i>PLANT ARCHIVES</i>   | First record the fungus bipolaris australiensis as a cause of leaf blight date palm in misan and attempt to control it in in vitro condition                   |
|    |                                   |     | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Effectiveness of Conocarpus lancifolius Extract against Insects and Pathogenic Fungi   |
|    |                                   |     | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | To study the effect of some non-chemical (PM) treatments on controlling rust flour beetle tribolium castaneum (Herbst.)  |
| 3  | Asst.Prof.Dr. Qayser. A. Kreeday  | 4   | <i>PLANT ARCHIVES</i>   | Study of pathological changes caused by mycotoxins in broilers in Al-Qurna city, Basra, Iraq   |
|    |                                   |     | <i>JOURNAL OF GLOBAL PHARMA TECHNOLOGY</i>                            | Natural outbreaks of infectious bursal disease in Brahma and Aseel Chicken in Iraq   |
|    |                                   |     | <i>VIRUS GENES</i>  | Genetic analysis of H9N2 avian influenza viruses circulated in broiler flocks: a case study in Iraq in 2014–2015   |
|    |                                   |     | <i>BULGARIAN JOURNAL OF VETERINARY MEDICINE</i>                       | Prevalence of avian subtype h9 among poultry with respiratory signs in Iraq  |
| 4  | Asst.prof Dr .Dhurgham S. K Altai | 3   | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Role of humic acid and amino acids in increasing growth and productivity of mungbean varieties grown under newly reclaimed soil                                |
|    |                                   |     | <i>PLANT ARCHIVES</i>   | Effect of foliar sprayings of indole acetic acid on growth and yield of durum wheat genotypes  |
|    |                                   |     | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Effect of foliar nano-fertilizers of marine algae extract and boron on growth and yield of faba bean (Vicia faba L.)   |
| 5  | Asst.prof Dr.Abdulkareem K. Jabar | 2   | <i>PLANT ARCHIVES</i>   | Inhibition of tomato yellow leaf curl virus (TYLCV) by extract of algae cladophora crispata  |
|    |                                   |     | <i>PLANT ARCHIVES</i>   | Effect of manufactured iron oxides in control of tomato yellow leaf curl virus (TYLCV)   |
| 6  | Asst.prof .Ali Athafah Tomah      | 4   | <i>NANOMATERIALS</i>  | Mycosynthesis of silver nanoparticles using screened trichoderma isolates and their antifungal activity against sclerotinia sclerotiorum                       |
|    |                                   |     | <i>PLANT ARCHIVES</i>   | First record the fungus bipolaris australiensis as a cause of leaf blight date palm in misan and attempt to control it in in vitro condition                   |
|    |                                   |     | <i>BIOLOGICAL CONTROL</i>   | A new species of Trichoderma and gliotoxin role: A new observation in enhancing biocontrol potential of T. virens against Phytophthora capsici on chili pepper |
|    |                                   |     | <i>AGRICULTURE</i>  | Isolation, identification and characterization of rhizobacteria  |

|    |                             |   |   |   |
|----|-----------------------------|---|---|---|
|    |                             |   | (SWITZERLAND)   | strains for biological control of bacterial wilt ( <i>Ralstonia solanacearum</i> ) of eggplant in China   |
| 7  | Asst.prof.Qusai Hattab Madh | 5 | <i>IOP CONFERENCE SERIES: EARTH AND ENVIRONMENTAL SCIENCE</i>         | Affectivity evaluation of <i>Bacillus subtilis</i> in controlling eggplant root rot caused by <i>Rhizoctonia solani</i> and <i>Fusarium solani</i>  |
|    |                             |   | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | First report of leaf blight disease caused by <i>Rhizoctonia Solani</i> Kühn on ornamental plants in Iraq   |
|    |                             |   | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | First report of incidence of <i>botrytis cinerea</i> causing gray mold disease on <i>rosa damascene</i> mill  |
|    |                             |   | <i>PERIODICO TCHE QUIMICA</i>   | Heavy metals pollution of wheat fields (soil and leaves) sampled from Basrah and Maysan Provinces   Poluição por metais pesados em campos de trigo (solo e folhas) amostrados nas Províncias de Basrah e Maysan |
|    |                             |   | <i>PLANT ARCHIVES</i>   | Investigation of the causes of root rot and damping-off diseases of okra and testing the effectiveness of <i>pseudomonas fluorescens</i> in disease control   |
| 8  | Dr.Ali H Abu-Ragheef        | 2 | <i>PLANT ARCHIVES</i>   | Evaluation of type, color of traps and different attractants in attracting and capturing of mediterranean fruit fly <i>ceratitis capitata</i> (Wied.)   |
|    |                             |   | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | Population density of Mediterranean fruit fly <i>Ceratitidis capitata</i> using sexual and food attractants in the city of Baghdad  |
| 9  | Dr. Zainab S. Hassan        | 1 | <i>SCIENTIFIC REPORTS</i>   | Vitamin K2 prevents lymphoma in <i>Drosophila</i>   |
| 10 | Inst. Ahmed M. Jumah        | 3 | <i>IOP CONFERENCE SERIES: EARTH AND ENVIRONMENTAL SCIENCE</i>         | Affectivity evaluation of <i>Bacillus subtilis</i> in controlling eggplant root rot caused by <i>Rhizoctonia solani</i> and <i>Fusarium solani</i>  |
|    |                             |   | <i>PLANT ARCHIVES</i>   | Investigation of the causes of root rot and damping-off diseases of okra and testing the effectiveness of <i>pseudomonas fluorescens</i> in disease control   |
|    |                             |   | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | First report of incidence of <i>botrytis cinerea</i> causing gray mold disease on <i>rosa damascene</i> mill  |
| 11 | Inst. Ahmed S. Hussein      | 3 | <i>ANNALS OF THE ROMANIAN SOCIETY FOR CELL BIOLOGY</i>                | Isolation and diagnosis of mycoplasma by conventional and molecular methods from pneumonia in feedlot calves  |
|    |                             |   | <i>PLANT ARCHIVES</i>   | The use of consumed black tea waste as natural adsorbent in removing the methylene blue dye   |
|    |                             |   | <i>PLANT ARCHIVES</i>   | Molecular detection and genetic characterization of <i>Staphylococcus aureus</i> isolated from bovine mastitic milk in Misan Province, Iraq   |
| 12 | Inst. Karrar Akram Kamel    | 2 | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Role of humic acid and amino acids in increasing growth and productivity of mungbean varieties grown under newly reclaimed soil   |
|    |                             |   | <i>PLANT ARCHIVES</i>   | An ecological study of <i>azolla filiculoides</i> lam. newly recorded in misan waterbodies, Iraq  |
| 13 | <i>INST.AHMED F SHAMUKH</i> | 2 | <i>PLANT ARCHIVES</i>   | Effect of <i>conocarpus erectus</i> on the infrastructure of misan province, Iraq   |

|    |                                 |   |   |  |
|----|---------------------------------|---|---|--|
|    |                                 |   | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | First report of incidence of botryis cinerea causing gray mold disease on rosa damascene mill  |
| 14 | Dr. Ali Abbas Hashem            | 9 | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | Analysis of root crops preparation system  |
|    |                                 |   | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | Modelling the quality of the mixture in a continuous paddle mixer  |
|    |                                 |   | <i>PLANT ARCHIVES</i>   | Biochemical composition of eggplant and its change during storage  |
|    |                                 |   | <i>PLANT ARCHIVES</i>   | Experimental researches of the machine-tractor fleet with the yamz-238 gasdiesel engine  |
|    |                                 |   | <i>JOURNAL OF ADVANCED RESEARCH IN DYNAMICAL AND CONTROL SYSTEMS</i>  | Unique in composition and stability water-fuel emulsion  |
|    |                                 |   | <i>IRAQI JOURNAL OF AGRICULTURAL SCIENCES</i>                         | Study Of A Combined Device To Reduce The Toxicity Of Exhaust Gases Of Diesel Engines, Agricultural Technology                                  |
|    |                                 |   | <i>JOURNAL OF ADVANCED RESEARCH IN DYNAMICAL AND CONTROL SYSTEMS</i>  | Numerical modeling of amphibious snowmobile-glider movement on uneven surface  |
|    |                                 |   | <i>PLANT ARCHIVES</i>   | Analysis of the characteristics of natural gas as fuel for vehicles and agricultural tractors  |
|    |                                 |   | <i>IRAQI JOURNAL OF AGRICULTURAL SCIENCES</i>                         | Mathematical modeling of thermo-regulation of fuel in diesel engines YamZ-238   (YaMZ-238)   |
| 15 | Asst.Inst. Fatima Q Hamdan      | 3 | <i>INDIAN JOURNAL OF ECOLOGY</i>                                      | Effectiveness of Conocarpus lancifolius Extract against Insects and Pathogenic Fungi   |
|    |                                 |   | <i>INTERNATIONAL JOURNAL OF AGRICULTURAL AND STATISTICAL SCIENCES</i> | To study the effect of some non-chemical (PM) treatments on controlling rust flour beetle tribolium castaneum (Herbst.)                        |
|    |                                 |   | <i>PLANT ARCHIVES</i>   | Evaluation of type, color of traps and different attractants in attracting and capturing of mediterranean fruit fly ceratitis capitata (Wied.) |
| 16 | Asst.Inst. Salah A. Ghaylan     | 1 | <i>PLANT ARCHIVES</i>   | Effect of conocarpus erectus on the infrastructure of misan province, Iraq   |
| 17 | Asst.Inst.. Zaidon Tarik Hashim | 3 | <i>MICROMACHINES</i>  | A novel microfluidic device for blood plasma filtration  |
|    |                                 |   | <i>INDIAN JOURNAL OF FORENSIC MEDICINE AND TOXICOLOGY</i>             | Evaluation of the correlation between vitamin d3 serum level, age, gender and bmi in rheumatoid arthritis patients in al-kut city/iraq         |

|    |                               |   |  |   |
|----|-------------------------------|---|--|---|
|    |                               |   | <i>BIOSENSORS</i>                              | Integrated microfluidic devices fabricated in poly (Methyl methacrylate) (PMMA) for on-site therapeutic drug monitoring of aminoglycosides in whole blood |
| 18 | Asst.Inst. Farhan J. Mohammed | 3 | <i>INSECTS</i>                                 | Cold Responses of the Mediterranean Fruit Fly <i>Ceratitis capitata</i> Wiedemann (Diptera: Tephritidae) in Blueberry                                     |
|    |                               |   | <i>INSECTS</i>                                 | Cold Response of the Mediterranean Fruit Fly ( <i>Ceratitis capitata</i> ) on a Lab Diet  |
|    |                               |   | <i>INSECTS</i>                                 | Mediterranean Fruit Fly <i>Ceratitis capitata</i> (Diptera: Tephritidae) Eggs and Larvae Responses to a Low-Oxygen/High-Nitrogen Atmosphere               |
| 19 | Asst.Inst. Asaad Shamil Attia | 1 | <i>PLANT ARCHIVES</i>                          | Study and evaluation of yoghurt products prepared from various commercial starter cultures  |
| 20 | Asst.inst.Noor falah MHDI     | 1 | <i>PLANT ARCHIVES</i>                          | Association of atp1b2 gene polymorphism with milk yield, milk composition and heat resistance traits of cattle bred in Iraq                               |
| 21 | Inst.Shabeeb M. Jasim         | 1 | <i>PLANT ARCHIVES</i>                          | Study and evaluation of yoghurt products prepared from various commercial starter cultures  |
| 22 | Asst.Inst.Sadiq F. Hasnawi    | 1 | <i>PLANT ARCHIVES</i>                          | The use of consumed black tea waste as natural adsorbent in removing the methylene blue dye   |
| 23 | Inst.Hasaneen N. Abood        | 1 | <i>PLANT ARCHIVES</i>                          | The use of consumed black tea waste as natural adsorbent in removing the methylene blue dye   |
| 24 | Inst. Abdulradhe A. Jafer     | 1 | <i>PLANT ARCHIVES</i>                          | Study and evaluation of yoghurt products prepared from various commercial starter cultures  |
| 25 | Asst.Inst. Maysaa M. M. ALi   | 1 | <i>BASRAH JOURNAL OF AGRICULTURAL SCIENCES</i> | The effectiveness of genistein on early puberty of the arabi female lambs: The concentration of sex hormones and development of reproductive organs       |
| 26 | Asst.Inst. Dunia M. Muhsen    | 1 | <i>PLANT ARCHIVES</i>                          | Effect of conocarpus erectus on the infrastructure of misan province, Iraq  |

## Labs and research facilities in the College of Agriculture

1-Agricultural Research Station.

3-Animal husbandry farms.

5-Plant pathology lab .

7- Physiology lab.

9-Plant lab.

2-Animal husbandry fields.

4-Poultry and Fish lab.

6- Insect lab.

8 - Poultry and fish laboratory.

10- Computer Lab.



## Practical classes during covid 19 pandemic

