

الأبحاث العلمية لقسم الميكروبيولوجيا الزراعية

الأبحاث الخاصة بالأستاذ الدكتور/ فاروق شحاتة علي خلال الفترة من 2009 حتى 2015

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Ali, F. S., Zayed, G., Saad O. A. and Abdul-Mohsen, E. (2009) Optimization of nitrogen fertilizer level for maximum colonization of mycorrhizae on root of Coriander plants. African Crop Science Society, 9th Conference, Cape Town, South Africa.

Ali, F. S. and Abdul-Mohsen, E (2009).. Effect of vesicular arbuscular mycorrhizal fungi and Rhizobium leguminosarum in combination with fungicides and NPK in the control of damping off and root rot diseases of faba bean plants. The Fourth International Conference Mansoura University on "Environment and Healthy Safety" 28-29 October.

Ali, F. S.; Moharram, T. M. M.; Ali Zen Al Abdenand and Mohammed, G.Z. (2009). Studies on some soil microorganisms as biofertilizers and biocontrol agents against Cephalosporium maydis the causative agent of late wilt disease in maize. The Fourth International Conference Mansoura University on "Environment and Healthy Safety" 28-29 October.

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Ali, F. S., Zayed, G., Saad O. A. and Abdul-Mohsen, E. (2009) . Response of coriander plants to VA-mycorrhizae inoculation and fungicides application. The Fourth International Conference Mansoura University on "Environment and Healthy Safety"28-29 October.

Ali, F. S., Zayed, G., Saad, O.A.O. and Abdul-Mohsen, E. (2010). Effect of fungicides on VA-mycorrhizae infection and growth of anise (Pimpinella anisum). Minia 2nd Conf. Agric. Environ. Sci. Agriculture and Development Scopes. 22 – 24 March, 491 – 499

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Ali, F.S., Zayed , G., Saad O.A. and Abdul-Mohsen, E.(2014). The microbial community in the rhizosphere as affected by inoculation with vesicular-arbuscular mycorrhizae fungus and two fungicides(Rizolex T 50% wp and Cobax) on the growth of coriander and anise plants in clay and sandy soils." The 7th International Conference for Development and Environment in the Arab World.March,23-25,2014.

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List of Publication: Prof. Dr. Adel Mahmoud Mohamed Hammad

**Dept. Microbiology
Faculty of Agriculture
Minia University**

El-Sayed, M. M.; El-Shafei, M. A.; Ali, M. Z. H. and **Hammad, A. M. M.** (1990). Effect of inoculation with *R. leguminosarum* and application of treflan herbicide on the nodulation chemical composition and globulin components of field bean seeds. *Minia J. Agric. Res. & Dev.*, 12, (3); 1981-1997.

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30) El-Balkhi, M. A., Saad, O. A. O., **Hammad, A. M. M.** (2006). Protection of phosphate dissolving bacteria against bacteriophage attack. Damascus University J. Basic Science Vol. 22 No. 1 : 43-57.

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Elmaghraby, I.; Francesco Carimi,. Sharaf, A.; Marei, E. M. and **Hammad, A. M. M.** (2015). Isolation and Identification of *Bacillus megaterium* Bacteriophages via AFLP Technique. *Current Research in Bacteriology* 8 (4): 77-89.

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List of Publication: Prof. Dr. Gaber Zayed Abdul wanis Berisha

books

- 1- Basics of Industrial Microbiology, Arab House for publication and distribution, Cairo (2002)
- 2- Microbiology, facility knowledge, Alexandria (2004)
- 3- Microbial enzymes and their applications in industry and medicine, King Saud University, Riyadh, Saudi Arabia (2005).
- 4- Fermented foods and their relationship to human, Egyptian General Book Authority, Cairo health (2003).
- 5- Therapeutic food and friendly microbes, King Saud University, Riyadh, Saudi Arabia (2006)
- 6- Yeasts: production techniques and their role in the industry and the corruption of food and human health, King Saud University, Riyadh, Saudi Arabia (2010).
- 7- Biological treatment of waste- waters, sent for publication in the King Saud University (2016).

Fifth : List of selected published papers

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Removal of organic pollutants and nitrate from wastewater from the dairy industry by denitrification. *Journal of Applied Microbiology & Biotechnology*, 49: (1998) 469-474.

Production of alcohol from sugar beet molasses without heat or filter sterilization. *Journal of Industrial Microbiology & Biotechnology*, 19: (1997) 39-42.

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Studies on the production and kinetic aspects of single cell protein from sugar cane bagasse saccharified by *Aspergillus niger*. *Journal of Biomass & Bioenergy*, 3: (1992) 363-367.

Lactic acid production from salt whey using free and agar immobilized cells. *Letters in Applied Microbiology*, 12: (1991) 241-243.

Ethanol production from salt whey using free and agarose immobilized yeast .
Milchwissenschaft, 46: (1991)7-1 (

Utilization of whey from reconstituted skim milk for single cell protein production. Cultured
Dairy Products Journal, 26: (1991) 22-28.

Biological nitrogen fixation of cowpea as affected by inoculation as well as low and high N
fertilizer using N15 isotop dilution technique. Minia Journal of Agriculture Researches,
12: (1990)273-282.

Evaluation of some carrier materials as inoculants for cowpea plants. Minia Journal of
Agriculture Researches, 11: (1989) 373-388.

The influence of the fermentation conditions on ethanol yields from whey permeate. Irish
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and fodder beet juice using Sacchromyces cerevisiae strains. Irish Journal of Food
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List of Publication: Prof. Dr.Mohamed Zaki Hassan Ali

Micobiological and Chemical Studies on Date Product

Publication by Arab Universities Journal of Agricultural Sciences on 24-6-2000

**- Coliphage as Indicator of Faecal Pollution during the Desalination of Red Seawater
by Reverse Osmosis (RO) and water Quality Studies on the River Nile**

Publication by Arab Universities Journal of Agricultural Sciences on 24-6-2000

**-Production , Purification and Physico-Chemical Properties of Proteinase
Produced by Non-Aflatoxicogenic *Aspergillus flavus*.**

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2000**

**-Breakdown of Cellulose by microorganisms . Proceeding of the 9 th
International Conference on Environmental Protection Is a Must. Alexandria
University, 4-6 May (1999).**

**-The Proteolytic and Lipolytic System of *P. roqueforti*. J. Agric. Sci. Mansoura Univ.,
-Vol. 24 (5):2560-2570.1999.**

**-Production of Microbial Rennin Substitutes by *Mucor miehii*. J. Agric, Sci. Mansoura
Univ., Vol.24 (25):2571-2583, 1999.**

**-Effect of Certain Herbicides and Nematocides on the Soil Thermophilic Fungi:A
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1997.**

**-Effect of Inoculation with *Bacillus polymyxa* on Growth and Nitrogen Fixation of
Wheat under Graded Level of Inorganic Nitrogen. Egypt J. Microbial ., Vol. 32, No. 1,
1-15 (1997).**

**-Chemical and Microbiological Evaluation of Red Sea Desalinated and purified by
Reverse Osmosis. Proceeding of the 9 th International Conference on Environmental
protection Is a Must. Alex univ.**

**-Mycotoxins and its Effects on Public Health, 1999 , High Institute for public health,
Alexandria University.**

List of Publication: Prof. Dr. Dr. Ahmed Refat Abdallah

Professor of Microbiology

Faculty of Agriculture

Minia University

(1)-Taha, M.I.; Mahmoud, M., Abdel-Nasser, M. and Abdallah, A.R. (1977): Studies on Rhizosphere microflora of common bean and barley. Zb1. Bakt. 11: 132, 345-349. (1977).

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(3)-Abdallah, A.R. and Safwat, M.S.A. (1980): Effect of gibberellic acid (GA₃) and cycocel (CC) on rhizosphere and rhizoplane of pea plants (*Pisum sativum* L.) Ain Shams Univ., Fac. Agric., Res. Bull. 1245.

(4)-Abdel-Nasser, M. and Abdallah, A.R. (1981): Occurrence of certain soil microorganisms in rhizosphere, rhizoplane and phyllosphere of onion, cumin or papper plants. Minia J. Agric. Res. & Dev. Res. Bull. 22.

(5)-Abdel-Nasser, M.; Abdel-Ghaffar, A. S., Abdallah, A.R., and Zayed, G.z.A. (1982): Studies on phosphate solubilizing bacteria in soil, rhizosphere and rhizoplane of some plants. 1- Occurrence of certain microorganisms. Minia J. Agric. Res. & Dev., Res. Bull. (8).

(6)-Abdel-Nasser, M.; Abdel-Ghaffar, A.S., Abdallah, A.R. and Zayed, G.Z.A. (1982): Studies on phosphate solubilizing bacteria in soil, rhizosphere and rhizoplane of some plants. 2- Selection of most efficient phosphate dissolvers and their morphological grouping. Minia J. Agric. Res. & Dev., Res. Bull. (9).

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(9)- Abdel-Nasser, M.; Makawi, A.A.; Abdallah, A.R.; Safwat M.S. and Mohrram, T.

M.M. (1982): Occurrence of bacteria, acid producer and phosphate dissolvers in rhizosphere and rhizoplane of certain plants. Ain Shama Univ., fac., Agric., Res. Bull. 1837.

(10)-Abdel-Nasser, M.; Mahmoud, S.A.Z.; Ouf, M.F. Abdallah, A.R.; and Attia, M.A.

(1982): Studies on rhizosphere microflora of licorice plant with reference to nodulation. Ain Shams Univ., Fac. Agric. Res. Bull. 1830.

(11)-Morsy, M.A.; Abdallah, A.R. and Kishk, M.A. (1982): Effect of soil amendments on the

improvements of the newly reclaimed sandy calcareous soils of Minia Governorate. 1st

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(12)-Abdel-Nasser, M. Abdallah, A.R.; Safwat, M.S.A. and Hamed, A.M.M. (1984):

Microbiological studies on the effect of gradual salinization on rhizosphere microflora of barley. 24th Conf., ARC., Giza 9-11 April, (1984).

(13)-Abdel-Nasser, M. Abdallah, A.R.; Safwat, M.S.A. and Hamed, A.M.M. (1984):

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(15)-Abdel-Nasser, M.; Safwat, M.S.A; Abdallah, A.R. and Ibrahim, M.S. (1985):

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(16)-Baz, A.C.I.O.; Safwat, M.S.A. and Abdallah, A.R. (1984): Some physical studies on

soybean plants. 1- Growth, yield, nodulation and chemical composition of soybean plants as affected by some growth regulators. Annals Agric. Sci. Moshtohor, vol. 21, 479-484.

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