The Faculty is accredited (Decision No. 154, 23-5-2016)

CURRICULUM VITAE

- Date of birth: 21/2/1964.
- Place of birth: Qalubia Governorate, Egypt.
- Demonstrator from 22/11/1986 to 21/8/1990, Agric. Botany Dept., Faculty of Agriculture, Agric. Botany Dept., Zagazig University–Benha Branch.
- Lecturer assistant (Microbiology), Agric. Botany Dept., Faculty of Agriculture, Zagazig University – Benha Branch from 22/8/1990 to 19/10/1993.
- Lecturer (Microbiology), Agric. Botany Dept., Faculty of Agriculture, Zagazig University –Benha Branch from 20/10/1993 to 15/4/2000.
- Associate professor of Microbiology, Agric. Botany Dept., Faculty of Agriculture, Zagazig University– Benha branch from 16/4/2000 to 6/4/2005.
- Professor of Microbiology, Faculty of Agriculture, Benha University from 7/4/ 2005 till now.
- Member of the Promotion Committee of the Professors and Assistant Professors in Genetics, Agricultural Chemistry, Agricultural Microbiology, 2013–2016, Supreme council of Universities.
- Member of the Promotion Committee of the Professors and Assistant Professors in Genetics, Agricultural Chemistry, Agricultural Microbiology, 2019–2022, Supreme council of Universities.
- Head of Botany Department from 1/8/ 2016 to 12/10/ 2018.
- Head of Microbiology Department from 13/10/2018 till now.

The Faculty is accredited (Decision No. 154, 23-5-2016)

SCIENTIFIC ACHIEVEMENTS

- Published of 73 researches in different Microbiology area.
- Promotion academic staff members and researchers (37).
- Supervising and discussion 34 Master and Ph.D. Theses in Microbiology.
- Checking and Discussion 46 Master and Ph.D. Theses in Microbiology.
- Supervising (in progress) 20 Master and Ph.D. Theses in Microbiology.

PUBLISHED BOOKS

1-Applied Microbiology (2014).

ISBN: 978-977—90-1526-2.

2-Recycling of Wastes and Benefits (2014).

ISBN: 978-977-90-1525-5.

3-Soil Microbiology (2014).

ISBN: 978-977-90-1528-6.

4-Principles of Agricultural Microbiology (2016).

ISBN: 978-977-90-4099-8.

5-Environmental Pollution.... Problems and Resolves (2016).

ISBN: 978-977-90-4424-8.

6- Principles and Constituents of Organic Farming (2017).

ISBN: 978-977-90- 4580-1.

7- Principles and Fundamentals of Applied Microbiology (2018).

ISBN: 978-603-02- 7550-20.

The Faculty is accredited (Decision No. 154, 23-5-2016)

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

Professional body	Level of membership	Dates (from–to)
Society of Applied Microbiology	Member	From 1990 to Now
Society of Applied Botany science	Member	From 2017 to Now
Society of Egyptian Virology	Member	From 2018 to Now
Society of Agricultural Chemistry and Environment protection	Member	From 2018 to Now

SCIENTIFIC INTERESTS

AREAS OF RESEARCH

a) Using of microorganisms in the production of biological substances have vital role in the industrial technology.
b) Interesting in the development of the efficiency of some bacterial strains for use in the field of industrial microbiology.
c) Using of certain microorganisms in the field of Bioremediation of soil contaminated by pesticides.
d) Using of microorganisms in the production of some vital materials such as hormones and enzymes.
e) Modern techniques of water treatment and purification.
f) Modern techniques of food preservation.
g) Biofuel production by microorganisms.
h) Bioremediation of heavy metals by microorganisms.

The Faculty is accredited (Decision No. 154, 23-5-2016)

LIST OF PUBLICATIONS

1-Influence of wheat inoculation with Mycorrhizal fungi, phosphate solubilizing bacteria and *Azospirillum* on its growth and soil fertility.

Zaghloul, R.A.; Mostafa, M.H. and Amer, A.A.

Annals of Agric. Sci., Moshtohor, Vol. 34 (2): 611-626, 1996.

2-Efficiency of some organic manures and biofertilization with *Azospirillum brasilense* for wheat manuring (1996).

Zaghloul, R.A.; Amer, A.A. and Mostafa, M.H.

Annals of Agric. Sci., Moshtohor, Vol. 34 (2): 627-640, 1996.

3-Interaction effect of rhizobial inoculation on viral and fungal infection in broad bean (Vicia faba L.).

Zaghloul, R.A. and Abd El-Mageed, M.H.

Annals of Agric. Sci., Moshtohor, Vol. 34 (4): 1605-1629, 1996.

4- Efficiency of mycorrhizal inoculation on effectiveness of bean common mosaic virus (BCMV) and *Rhizoctonia solani*.

Abd El-Mageed, M.H. and Zaghloul, R.A.

8th Congress of Egyptian Phytopathol. Soc., pp. 39-58, Cairo, 1997.

5-Response of sorghum to inoculation with *Azospirillum*, organic and inorganic fertilization in the presence of phosphate solubilizing microorganisms.

Neweigy, N.A.; Ehsan A. Hanafy; Zaghloul, R.A. and El-Sayeda, H. El-Badawy.

Annals of Agric. Sci., Moshtohor, Vol. 35 (3): 1383-1401, 1997.

6-Effect of seed treatment with fungicide (Ridomil) combined with rhizobial inoculation on root-rot disease and growth of faba bean plants.

Zaghloul, R.A.

Annals of Agric. Sci., Moshtohor, Vol. 35 (4): 2117-2128, 1997.

7-Effect of biofertilization and biological control on growth and chemical

constituents of volkamariana seedlings.

Gendiah, H.M. and Zaghloul, R.A.

Annals of Agric. Sci., Moshtohor, Vol. 35 (4): 2303-2325, 1997.

8-Effect of mycorrhizal inoculation and phosphatic fertilization on damping-off and root-rot disease of sour orange.

8. a - The effect on disease severity, microbial counts, phenols and carbohydrates content.

Abd El-Mageed, M.H.; Gendiah, H.M. and Zaghloul, R.A.

Zagazig J. Agric. Res., Vol. 25 No. (6): 975-990, 1998.

8-Effect of mycorrhizal inoculation and phosphatic fertilization on damping-off and root-rot disease of sour orange.

8. b - Growth characters, chemicals analysis and colonization intensity with mycorrhizae.

Gendiah, H.M.; Zaghloul, R.A. and Abd El-Mageed, M.H.

Zagazig J. Agric. Res., Vol. 25 No. (6): 1145-1155, 1998.

10-Inoculation efficiency of rice plants with *Azolla* as a biofertilizers in the presence of different levels of phosphorus.

Hanafy, Ehsan, A.; N.A. Neweigy; R.A. Zaghloul and El-Sayed-Badawy, H.E.Arab Univ. J. Agric. Sci., Ain-Shams Univ., Cairo, 6 (1): 49-76, 1998.

11-Biofertilization and organic manuring efficiency on growth and yield of caraway plants (Carum carvi L.).

El-Khyat, A.S. and Zaghloul, R.A.

Annals of Agric. Sci., Moshtohor, Vol. 37 (2): 1379-1397, 1999.

12-Effectiveness of dual inoculation with *Azospirillum* and phosphate solubilizing microorganisms on growth and yield of *Zea mays* L.

Zaghloul, R.A.

Zagazig J. Agric. Res. Vol 26 No. (4): 1005-1025, 1999.

13-Biogas production from Jew's mallow processing wastes and cattle

dung using batch feeding system.

Hanafy, Ehsan, A.; Estefanous, A.N.; Zaghloul, R.A. and El-Akshar, Y.S.

Proceedings of the tenth microbiology conference, Cairo, Egypt, (pp. 263-278) 11-14 Nov. 2000.

14-Biogas production from Artichoke processing wastes by using semi-continuous feeding system.

Zaghloul, R.A.; Estefanous, A.N.; Hanafy, Ehsan, A. and El-Akshar, Y.S.

Proceedings of the tenth microbiology conference, Cairo, Egypt, (pp. 279-294) 11-14 Nov. 2000.

15-Growth and yield of maize plants as affected by *Azospirillum* inoculation in presence of different nitrogen sources.

Zaghloul, R.A.

Annals of Agric. Sci., Moshtohor, Vol. 39 (4): 2001.

16-Effect of dual inoculation (VA-mycorrhizae and Rhizobium) and zinc foliar application on growth and yield of mungbean.

Zaghloul, R.A.; M.A. El-Ghozoli and S.A.S. Mehasen.

Arab Univ. J. Agric. Sci., Ain-Shams Univ., Cairo, 47 (2): 2002, 501-525.

17-Effectiveness of dual inoculation with *Bradyrhizobium* and Endomycorrhizae in presence of different phosphatic fertilizer sources on growth and yield of soybean.

Mehasen, S.A.S.; Zaghloul, R.A. and M.A. El-Ghozoli.

Arab Univ. J. Agric. Sci., Ain Shams Univ., Cairo, 47 (2): 2002, 477-500.

18-Biofertilization and organic manuring efficiency on growth and yield of potato plants (*Solanum tuberosum* L.).

Zaghloul,R.A

Proceeding of 2nd Conf. "Modern Trends in Agriculture" Cairo University, 28-30 October, 2002.

19-Influence of biofertilization with *Bradyrhizobium* and phosphate

solubilizing bacteria and micronutrients application on growth and yield of soybean.

Zaghloul, R.A. and H.E. Abou Aly.

Annals of Agric. Sci., Moshtohor, Vol. 40 (2): 2002.

20-Efficiency of some isolated soil microorganisms for carbofuran pesticide degradation.

Rahal, A. Gh.; Ehsan, A. Hanafy; Zaghloul, R.A. and Lobna, A. Moussa.

Proceedings of 11th Microbiology Conf. Cairo, Egypt. Oct. 12-14; 2003, pp. 1-16.

21-Bioremediation of the polluted soil with carbamate pesticides by *Streptomyces violaceusniger* or/and *Azospirillum brasilense*.

Zaghloul, R.A.; Ehsan, A. Hanafy; Rahal, A. Gh. and Lobna, A. Moussa.

Proceedings of 11th Microbiology Conf. Cairo, Egypt. Oct. 12-14; 2003, pp. 17-33.

22-Biodegradation of some organophosphorus pesticides by soil microorganisms.

Zaghloul, R.A.; El-Housseiny, T.M.; Ehsan, A. Hanafy; Rahal, A. Gh. and Abdel-Rahman, H.M.

Proceedings of 2nd International Scientific Congress for Environment. South Valley Univ., 28-30 March (2006); pp. 433-461.

23-Improvement of the efficiency of acacia and prosopis for controlling shifting and using bio and mineral nitrogen fertilization (2006).

Draz, M.Y.; Zaghloul, A.K. and Zaghloul, R. A.

Annals of Agric. Sci., Moshtohor, 44(3): 937-453 (2006).

24-Microbial and chemical quality of retailed sausage and antimicrobial effect of essential oils or lactic acid bacteria against foodborne pathogens.

Abou-Aly, H.E.; Zaghloul, R.A.; Neweigy, N.A.; Gad, M.R.A. and Ghonaimy, G.A.

Proceedings of 12th Microbiology Conf., Cairo, Egypt, 18-20 March, pp: 1-15 (2007).

25-Elevating control of pathogenic bacteria in fermented and non-fermented sausage using lactic acid bacteria or essential oils.

Abou-Aly, H.E.; Neweigy, N.A.; Zaghloul, R.A.; Gad, M.R.A. and Ghonaimy, G.A.

Proceedings of 12th Microbiology Conf., Cairo, Egypt, pp16-30 (2007).

26-Application of biofertilization and biological control for tomato production.

Zaghloul, R.A.; Hanafy, Ehsan, A.; Neweigy, N.A. and Khalifa, Neamat,A.

Proceedings of 12th Microbiology Conf., Cairo, Egypt,pp 198-212 (2007).

27-Efficiency of some soil microorganisms in degradation of diazinon pesticide.

Rahal, A.Gh.; Zaghloul, R.A.; Hanafy, Ehsan, A.; El-Housseiny, T.M. and Abdel-Rahman, H.M.

Proceedings of 12th Microbiology Conf., Cairo, Egypt, pp183-197 (2007).

28-Efficiency of soil inoculation with growth regulators producing microorganisms on some enzyme's activity (2008).

Zaghloul, R. A.; Ehsan A. Hanafy; A. GH. Rahal; N. A. Neweigy and Rasha, M. El-Meihy

Third international scientific conference for environment south valley Univ. Egypt, November, pp 43-54, 2008.

29-Effectiveness of bio- control agents against tomato soil borne pathogens (2008).

Zaghloul, R.A.; Hanafy, Ehsan, A.; Neweigy, N.A. and Khalifa, Neamat,A.

Third Environment Conference, Fac. of Science, Zagazig Univ., 2008; pp123-142.

30-Effectiveness of organic farming on growth performance and yield of

marjoram.

Zaghloul, R. A.; T. M. El-Husseiny; Ehsan A. Hanafy; A. GH. Rahal and H. M. A. Abdelrahman.

Annals of Agric. Sci., Moshtohor, 47(2): (2009).

31-Response of damssisa to biofertilizers and organic manure application in presence of *Pseudomonas fluorescens*.

Zaghloul, R. A.; T. M. El-Husseiny; Ehsan A. Hanafy1; A. GH. Rahal and H. M., Abdelrahman. The 5th International Conference of Sustainable Agricultural Development, El-Fayum, Egypt, 21 – 23 December, pp 221-236(2009).

32-Effect of biofertilization and organic manuring on soil dehydrogenase activity, macronutrients and essential oil content of marjoram.

Zaghloul, R. A.; T. M. El-Husseiny; Ehsan A. Hanafy; A. GH. Rahal and H. M., Abdelrahman.

Egypt.J.Microbiol.Special Issue ,13th Conf.of Microbiol.PP .15-32 (2010).

33-Optimal environmental conditions for production of plant growth regulators by rhizobacteria.

Rahal, A. Gh.; R. A. Zaghloul; N. A. Neweigy; Ehsan A. Hanafy and Rasha, M. El-Meihy.

Egypt.J.Microbiol.Special Issue , 13thConf. of Microbiol.PP .33-44 (2010).

34 – Effect of carbon source and precursors on the production of plant growth regulators by *A. chroococcum* (R19) and B. megaterium var. *phosphaticum* (R44) (2010).

Rahal, A. GH.; R. A. Zaghloul; N. A. Neweigy; Ehsan A. Hanafy and Rasha, M. El-Meihy.

Egypt.J.Microbiol.Special Issue ,13th Conf. of Microbiol.PP .45-61 (2010)

35-Interaction between growth regulators producing bacteria and root-rot fungi on tomato growth.

Zaghloul, R. A.; Ehsan A. Hanafy; A. GH. Rahal; N. A. Neweigy and Rasha, M. El-Meihy.

Egypt.J.Microbiol.Special Issue, 13thConf. of Microbiol.PP .173-194 (2010).

36-Assessment of plant growth promoting rhizobacteria activity under saline stress.

Ahmed, Gh. Rahal; Ehsan, A. Hanafy; Rashed, A. Zaghloul; Hamed, E. Abou-Aly; Rasha, M. El-Meihy.

Annals of Agric. Sci., Moshtohor, Vol. 49(2) (2011), 123- 133

37-Using plant growth promoting rhizobacteria for improving tomato growth under saline stress.

Zaghloul, R. A.; Ehsan, A. Hanafy; H. E. Abou-Aly; A. GH. Rahal; Rasha, M. El-Meihy.

First International Conference on Biotechnology Application in Agriculture, 18-22 February, pp 43-51, 2012.

38- Colonization of pepper roots with salt-tolerant PGPR as an inducer for saline stress.

Abou-Aly, H. E.; R. A. Zaghloul; Ehsan, A. Hanafy; A.GH. Rahal; Rasha, M. El-Meihy.

Annals of Agric. Sci.Ain-Shams Univ., PP 423-430, March 2012.

39- Effect of salt-tolerant PGPR on the activity of some microbial and plant enzymes under saline stress.

Hanafy, Ehsan, A.; R. A. Zaghloul; Abou-Aly, H. E.; A. GH. Rahal; Rasha, M. El-Meihy .

Annals of Agric. Sci.Ain-Shams Univ., PP, 413-421, March 2012.

40-Isolation and identification of cellulases producing thermophilic bacteria and their ability to produce xylanase enzymes.

Ehsan, A. Hanafy; Rashed, A. Zaghloul; Hamed, E.Abou-Aly; Alshaymaa,

E. Ahmed.

Annals of Agric. Sci., Moshtohor, Vol. 49(4) (2012), 455– 461.

41–Increasing the efficiency of *Tamarix aphylla* for sand dunes stabilization using plant growth promoting microorganisms.

Zaghloul, A.K. and R. A. Zaghloul

Egyptian Journal of applied Science,Vol.(47),No,7B:498–516. 2012).

42–Evaluation of the microbiological quality of street– vended juices sold in great Cairo–Egypt.

Mostafa A. El–Shenawy,Naseem A. Neweigy,Rashed A.Zaghloul,Hamed A. Abou–Aly,Raouf K. El–Dairouty,Wagih.el–Kholy,Mohammed T.Fouad,Soriano J.M and J.Manes.

J. Food Industries and Nutrition (2) 2: 171–184 (2013).

43–*Listeria* spp and Enterobacteriaceae group in sandwiches of meat and meat products (2014).

Rashed, A.Zaghloul ,Mostafa A. El–Shenawy,Naseem A. Neweigy, ,Hamed,A. bou–Aly,Raouf K. El–Dairouty,Wagih.el–Kholy,Mohammed T.Fouad,Soriano J.M and J.Manes.

British Microbiology Research Journal, 4 (4):360–368

44–Maximization of chitosan production by *Aspergillus niger* on different culture conditions (2014).

Abou–Aly,H.E; Zaghloul, R.A; El–Housseini , T,M ; Ghonaimy,G.A; Ashry, Noha,M .

Annals of Agric. Sci.Ain–Shams Univ., 24–27 March, 2014.

45–Enhancement of culture conditions for chitosan production by *Rhizopus nigricans* (2014).

Zaghloul,R.A; Abou–Aly, H.E;El–Housseini , T,M ; Ghonaimy,G.A; Ashry, Noha,M.

Annals of Agric. Sci.Ain–Shams Univ., 24–27 March, 2014.

46-Effect of biofertilization and organic manuring on growth performance and chemical composition of tomato under saline stress (2014).

Zaghloul, R.A; Rahal, GH.A.; Abou-Aly, H.E.; Hanafy, Ehsan, A. and El-Meihy, Rasha, M.

Annals of Agric. Sci.Ain-Shams Univ., 24-27 March, 2014.

47-Nematicidal activity of some biocontrol agents against root-knot nematodes in vitro (2015).

Zaghloul, R. A.; N. A. Neweigy;H. E. Abou-Aly; S. A. El-Sayed and A. M. Bahloul

Research Journal of Pharmaceutical, Biology and Chemical Sciences. Vol. 6(1): pp, 429- 438.

48-Evaluation of some biocontrol agents against soil pathogenic fungi (2015).

Abou-Aly, H. E.; R. A. Zaghloul; Neweigy, N. A.; S. A. El-Sayed and A. M. Bahloul.

Research Journal of Pharmaceutical, Biology and Chemical Sciences. Vol. 6(1): pp, 439- 448.

49-Antagonistic activity of *Bacillus subtilis* B38 and *Pseudomonas fluorescens* B103 against root-rot and wilting fungi in tomato.

Zaghloul, R. A.; H. E. Abou-Aly; N. A. Neweigy;S. A. El-Sayed and A. M. Bahloul.

2nd Minia International Conference for Agriculture and Irrigation in the Nile Basin Countries,23rd -25th March 2015, El-Minia, Egypt.

50- Suppressionof root-knot nematode (Meloidogyne incognita) activity in tomato using bio- control agents.

Abou-Aly, H. E.; R. A. Zaghloul; N. A. Neweigy; S. A. El-Sayed and A. M. Bahloul.

2nd Minia International Conference for Agriculture and Irrigation in the Nile

Basin Countries, 23rd –25th March 2015, El–Minia, Egypt.

51–Improvement of Growth and Yield of Pea Plants Using Integrated Fertilization Management.

Zaghloul R.A.; H.E. Abou–Aly, Rasha M. El–Meihy, Mohamed.Talat. El–Saadony

Universal Journal of Agricultural Research 3(4): 135–143, 2015 http://www.hrpub.org DOI: 10.13189/ujar.2015.030404.

52–Antibacterial activity of fungal chitosan and some preservatives against some foodborne pathogenic bacteria

Zaghloul, R. A; Abou–Aly, H. E; El–Housseiny,T. M; Ghonaimy,G.A and Ashry, Noha,M .Egyptian Journal of Microbiology, June, 2015 No (2).

53–Economic return of garbage recycling in Qalubia Governorate (2015).

El–sestawy,M.S; Zaghloul, R.A;Gado,E.H.and Bedeer, N.G.

Annals of Agric. Sci., Moshtohor, Vol. 53(2): 321–332, (2015).

54–Comparison of antibacterial activity of fungal chitosan and some preservatives against some foodborne pathogenic bacteria.

Zaghloul, R.A. H.E., Abou–Aly, T.M., El–Housseiny, G.A. Ghonaimy and Ashry, Noha, M.Egypt. J. Microbiol. 50, pp: 31–42.2015.

55–Microbial contamination of some cosmetics and personal care in Egypt.

Zaghloul, R. A; Abou–Aly, H.E.; Hanafy, Ehsan, A. and M.A.Emam.

Egypt. J. of Applied Scie.30 (11):424–433, 2015.

56–Effect of some essential oils on microbiological quality of cosmetics products.

Zaghloul, R. A; Abou–Aly, H.E.; Hanafy, Ehsan, A. and M.A.Emam.

Egypt. J. of Applied Scie.30 (11):434–452, 2015.

57–Incidence of some epidemiologically relevant food–borne pathogens in street–vended sandwiches.

Moustafa A. El–Shenawy, Rashed A. Zaghloul, Ibrahim H.Abbass,

Amira.Esmail and Mohamed T. Fouad.Research Journal of Pharmaceutical, Biological and Chemical Sciences.2016, 7 (2) pp: 468-474.

58-Influential Cooperation between Zeolite and PGPR on Yield and Antimicrobial Activity of Thyme Essential Oil (2016).

R. A. Zaghloul, Y. F. Y. Mohamed and Rasha M. El-Meihy.

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59-Isolation and identification of rhizobial strains from faba bean nodules (2016).

Zaghloul, R.A; Abou-Aly, H.E; Abdelrahman, H. M.;Abotaleb,H.A and Mona, H.A,Hussein.

Annals of Agric. Sci., Moshtohor, Vol. 54(3) (2016), 591-600.

60- Isolation and Characterization of Endophytic Bacteria Isolated from Legumes and Non-Legumes Plants in Egypt.

Rashed A. Zaghloul, Hamed E. Abou-Aly, Taha A.Tewfike* and Noha M. Ashry

Journal of pure and applied microbiology, March 2016. Vol. 10(1), pp. 277-290

61- Production of chitosan by surface and submerged fermentation from *Aspergillus niger* and *Rhizopus nigricans* (2017).

Zaghloul, R.A; Abou-Aly, H.E;El-Housseiny,T. M;Ghonaimy,G.A and Ashry, Noha,M.

The7th International Conference of Sustainable Agricultural Development, El-Fayum, Egypt, 6 – 8 March (2017).

62-Potential of *Azotobacter salinestris* as plant growth promoting rhizobacteria under saline stress conditions (2017).

Rashed, A.Zaghloul ;Omer,Amal.M;Hassan,M.Emara;Mohamed,O.Abdel-Monem and Ghada, E. Dawam.

Research Journal of Pharmaceutical, Biological and Chemical Sciences.

2017, 8 (1).

63-Application of biofertilization and biological control for cowpea production (2017).

Zaghloul, R.A.; Abou-Aly, H.E.; Abdel-Rahman, H.M.1and Hassan, M.A.

Annals of Agric. Sci., Moshtohor, Vol. 55(2) (2017), 271 –286.

64- Effectiveness of endophytic bacteria combined with micronutrients on growth characteristics and productivity of faba bean (2018).

64-Microbiological evaluation of some meat products in Sharkia Governorate (2017).

Zaghloul, R.A.; Shindia, A.A.; Ismael, A.M. and Anan, G.

The 12 th International Conference, Fac. of Science, Zagazig University, (217): 252-282.

65- Effectiveness of endophytic bacteria combined with micronutrients on growth characteristics and productivity of faba bean.

Zaghloul, R. A.; Abou-Aly, H.E.; Tewfike, T.A. and Ashry, Noha, M.

The 8th International Conference of Sustainable Agricultural Development, El-Fayum, Egypt, 5 – 7 March, (2018).

66-Microbiological and physicochemical evaluation of River Nile (Rosetta branch) (2018).

Amina E. Soliman, Rashed A. Zaghloul, Rasha M. El-Meihy, Ehsan, A. Hanafy, Hatem M. Ali.

4thInternational Conference on Biotechnology Applications in Agriculture, 4-7 April 2018, pp:217-226, Hurghada, Egypt. Organized by Faculty of Agriculture, Benha University, Egypt.

67-Evaluation of biological activities for salt-tolerant plant growth promoting rhizobacteria using different microbial carriers (2018).

Hoda, R.A. El-Zehery, Zaghloul, R. A, Salem, A.A., Abdel-Rahman, H.M. and Enas, A. Hassan.

4thInternational Conference on Biotechnology Applications in Agriculture, 4-7 April 2018, pp: 243-252, Hurghada, Egypt. Organized by Faculty of Agriculture, Benha University, Egypt.

68-Highly production of cellulases enzymes under submerged state fermentation for agricultural wastes composting (2019).

Salma H. El-Maraghy, Rashed A. Zaghloul., Osama M. Darwesh, Hany M. Abdelrahman.

Research Journal of Pharmaceutical, Biology and Chemical Sciences. Vol. 10 (4).

69- Impact of plant growth promoting rhizobacteria on cow-pea growth performance and root diseases controlling under greenhouse conditions (2019).

Zaghloul, R.A.; Abou-Aly, H.E.; Abdel-Rahman, H.M. and Hassan, M.A.

14th Conf. Agric. Develop. Res., Fac. of Agric., Ain Shams Univ.,

March, 2019, Cairo, Egypt,Special Issue, 27(1), 239 - 257, 2019.

70-Improvement of paper wastes conversion to bioethanol using novel cellulose degrading fungal isolate (2020).

Osama M. Darwesha, Salma H. El-Maraghy, Hany M. Abdel-Rahman, R.A. Zaghloul.

Fuel, Volume 262, 15 February 2020, 116518, pp (1-8).

71-Antimicrobial activity of *Lactococcus lactis* subsp. *lactis* K201 isolated from some food products against some pathogenic bacteria (2020).

Abdel Monem, M.O.; Zaghloul, R.A; Abd El-Salam, Soheir.S.; El-Shenawy, M.A. and El-Aksher, Omnia.A.

The Second Scientific Conference - Faculty of Science - Benha University, From 27-28 September, Conference Hall at the Commerce Collage - Benha University.

72- Efficiency of endophytes on faba bean and pea growth performance

and controlling of root diseases (2020).

Zaghloul, R. A; Abou-Aly, H.E.; Tewfike, T.A. and Ashry, Noha, M.

The 10th International Conference of Sustainable Agricultural Development, El-Fayum, Egypt, 2 – 4 March, (2020).

73- Isolation, characterization and identification of lactic acid bacteria as probiotic (2020).

El-Beksh, Amany E.; Abou-Aly, H.E.; Zaghloul, R.E.; El-Meihy, Rasha M.

5th International Conference on Biotechnology Applications in Agriculture (ICBAA), Benha University, Hurghada, 8-11 April 2020, Egypt.

74-Preserving efficiency of beef sausage infected with *Listeria monocytogenes* by ginger extract.

Rasha M. Elmeihy, Mayar E. Hamoda, Hamed Abou-Aly, Rashed Zaghloul, Mohamed Fouad, Arab Universities Journal of Agricultural Sciences,Vol (2) : 2020.

SCIENTIFIC THESES

A-SUPERVISION AND DISCUSSION

1- Microbiological studies on nitrogen fixation (1997).

2- Microbiological studies on some pickles (1998).

3-Microbiological studies on anaerobic digestion of solid and liquid wastes (2000).

4-Microbiological studies on soil pollution with some carbamate pesticides (2001).

5- Microbiological studies on microbial spoilage control of some foods (2004).

6- Biodegradation of some pesticides by soil microorganisms (2004).

7- The application of biofertilization and biological control for tomato production (2005).

8- Microbiological studies on the bacterial and fungal contamination under

strawberry tissue culture conditions (2007).

9- Efficiency of some microorganisms in production of some plant growth stimulating substances (2007).

10- Biofertilization and micro-elements spraying efficiency on growth and yield of lupine plants (2009).

11- Bio-organic farming efficiency on yield and quality of some medicinal plants (2009).

12- Microbiological studies on microbial contamination for water in Dakhlia Governorate (2010).

13 -Increasing the effectiveness of growth promoting microorganisms to improve vegetable crops productivity under saline stress (2011).

14- Microbiological studies on the contamination of certain cosmetics products by microorganisms (2012).

15-Effectiveness of inculcation with thermophilic microorganisms on compost maturity acceleration (2012).

16- Evaluation of some yeast strains for single cell protein production (2012).

17- Microbial safety and risk factors of street-vended dairy products and ready-to eat foods (2013).

18- Production of biocides for using in quality improvement of some vegetable crops (2013).

19-Microbiological studies on chitosan production by microorganisms (2013).

20- Garbage recycling economics in Egypt (2015).

21-Application of biofertilization and foliar feeding in pea production (2015).

22-Study the incidence of some pathogenic bacteria in ready- to- eat foods (2016).

23-Effectiveness of biofertilizers for productivity improvement of some

leguminous crops (2017).

24-Applications of growth promoting rhizobacteria under saline stress (2017).

25-Application of biofertilization and biological control for Cowpea production (2017).

26-Application of endophytes as a biofertilizer for growth and quality improving of vegetable crops (2017).

27-The training requirements of agricultural engineers in the field of integrated system for recycling agricultural wastes Qaliubia province (2017).

28-Microbiological studies on inhibition of food-borne pathogens using biological and chemical agents (2017).

29-Microbiological and chemical evaluation of River Nile water (Rosetta branch) 2018.

30-Efficiency improvement of plant growth promoting rhizobacteria under saline stress conditions (2018).

31-Microbiological studies on cellulases production (2019).

32- Potential probiotic characteristics of some lactic acid bacteria (2019).

33-Optimizatin of lactic acid bacteria production by some bacterial strains (2020).

34-Evaluation of some natural antimicrobial agents against food born pathogenic bacteria (2020).

B- CHECKING AND DISCUSSION

1-Biofertilization and its effect on nitrogen use efficiency (2002).

2-Studies on the microbial pollution indicators in water (2006).

3-Effect of biofertilizers application on the productivity of *Nigella sativa* cultivated in desert sandy soils and efficiency of produced seeds against some pathogenic microorganisms (2006).

4-Study for monitoring pathogenic microorganisms in canned foods (2013).

5-Microbial studies on pathogenic microflora of drinking water supply in and around Benha city (2013).

6-Biological, serological and molecular studies on Baculovirus isolated from *Heliothis armigera* (2014).

7-Microbial production of levan using agricultural wastes and by products (2014).

8-Symbiotic effect of sulphur oxidizing bacteria and mycorrhizal fungi on some field crops (2014).

9-Antimicrobial effect of some organic sulfonamide compounds on some microorganisms (2014).

10- Effect of water pollution on some cultivated plants and treatment in Sharkia Governorate (2014).

11-Virological studies on potato plants infected with PVY (2014).

Faculty of Science – Al-Azhar University.

12-Physiological studies on tomato plant infected with Tomato Yellow Leaf Curl Virus (2015).

13-Using integrated management system for improvement of olive crop productivity and controlling fruits decay in Egypt (2015).

14-Studies on the impact of diazotrophic cyanobacteria on soil properties and plant growth (2015).

15. Microbial fermentation to improve elements availability of some rocks for agricultural applications.

16-Characterization of nitrogen fixing cyanobacteria in sandy and alluvial (clay- loamy) Egyptian.

17-Studies on biocontrol agents and genetic diversity of selected fluorescent pseudomonad's for combating pathogenic microorganisms (2015).

18 -" Bio-agents production from soil bacteria (2015).

19 –Microbiological studies on some traditional food products (2016).

20– Biological treatment of some waste waters "(2016).

21– Microbiological and ecological studies on the activity of Cyanobacteria in different types of soil (2016).

22–Microbiological studies on some traditional food products (2016).

23–Bioremediation of Contaminated Soil with Petroleum Hydrocarbons (2016).

24–Evaluation of some bio–agents and biofertilizes for controlling some plant diseases (2016).

25–Soil healthy evaluation as a result of using gaseous ammonia at different time periods (2016).

26– Production of biogas and organic manure from fruits and vegetables wastes using anaerobic digestion system (2016).

27–Efficiency of phage therapy against *Pectobacterium carotovorum* that caused soft rot on potato tubers (2017).

28–Biocontrol of clinical bacteria infecting urinogenital system by probiotics (2017).

29–Studies on Lactic Acid bacteria isolated from different sources (2017).

30–Study of microbiological hazards in raw milk cheese and application of hazard analysis critical control point (HACCP) system (2017).

31–Production, purification and characterization of *E. coli* endotoxins isolated from the different Egyptian marine environments (2017).

32–Studies on phages of Gram–negative bacteria isolated from Egypt (2017).

33–Remediation of some pollutants contaminated River Nile water (2017).

34–Evaluation of some microorganisms as potential heavy metals bioremoval agents (2018).

35–Evaluation the performance of isolated bacteria from soil in inducing

acquirer resistance (2018).

36-Studies on foodborne viruses (2019).

37-Interactive effects of virus and Rhizobium on chickpea genotypes grown under Egyptian conditions (2019).

38-Using of probiotics to improve properties of some personal care products (2019).

39-Studies on the inhibition of some pathogenic bacteria by natural and enzymatic modified proteins (2019).

40-Molecular studies on microorganisms isolated from selected pharmaceutical dietary supplements and overcoming ways (2019).

41-Implementation of Biocontrol Alternatives against Multiple Drug Resistance Bacteria (2020).

42- Effect of mineral and compost fertilization with VA- mycorrhizae on growth of wheat and maize plants (2020).

43- Study on water- related diseases and pollution in Egypt and some Asian countries (2020).

44- Probiotic properties of locally isolated lactic acid bacteria as feed additives (2020).

45-Biological Remediation for Ammonia and Phosphate in Nile River Water (2020).

46-Characterization of some extracted microbial metabolites applied in biological control programs (2020).

C- SUPERVISION (PROGRESS IN STUDY)

1-Microbiological studies on post-harvest diseases in citrus.

2-Applications of organic farming for increasing of some vegetable's crops productivity.

3-Microbiological studies on drinking water pollution in Qaluibia governorate.

4-Response of some vegetable crops to PGPR inoculation under drought stress.

5-Comparative study on using of mites and bio- control agents for controlling some soil borne diseases.

6-Microbiological studies on resistant pathogenic bacteria for Antibiotics in foods.

7-Quality and microbial activities of Different water Resources in Egypt.

8-Application of modern technologies for improvement of bio – ethanol production.

9-Biofertification of chickpea through inoculation with irradiated/ non-irrediated *Rhizobium* and *Streptomyces*.

10-Bioremediatin of some industrial liquid wastes.

11-Using of botanical extracts for controlling of chicken diseases caused by Mycoplasma and Salmonella.

12-Microbiological studies on modern techniques for drainage water treatment.

13-Microbiological studies on modern techniques for chicken and their products preservation.

14- Production of bio- surfactants by Microorganisms.

15-Molecular characterization and evaluation of immunomodularity activity of selected probiotics and their bioactive components in mice.

16-Production and evaluation of algal and yeast protein as food additives.

of chicken productivity.

18-Applications of proteolytic enzymes produced by microorganisms.

19 -Maximization of biopolymers Productivity by microorganisms.

20-Imporvement of wheat productivity using biofertilization and biological control.

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TEACHING THE FOLLOWING COURSES FOR UNDERGRADUATE STUDENTS

1-Principles of Microbiology (General Program Students)

2-Applied Microbiology (Biotechnology Program Students).

3-Microbial taxonomy and Fermentation (Biotechnology Program Students).

4-Applied Microbiology (Food safety Program Students).

TEACHING THE FOLLOWING COURSES FOR POSTGRADUATE STUDENTS

Applied microbiology -Taxonomy of bacteria- Physiology of bacteria- Biotechnology of microorganisms -Antibiotics- Microbial Enzymes- Microbial toxins-Pathogenic bacteria -Food microbiology- Dairy microbiology.

INFORMATION TECHNOLOGY AND COMMUNICATIONS

1-Concepts of information technology, Benha University, from 3-5/6/ 2006.

2-Using computers and Managing files, Benha University, from 10-12/6 /2006.

3-Word Processing FLDP, Benha University, from 17-19/6/ 2006.

4-Spreadsheets, FLDP, Benha University, from 24-26/6 /2006.

5- Database, FLDP, Benha University, From 18-20/7 /2006.

6-Informationand communication FLDP, Benha University, from 8-10/8 /2006.

7- Introduction to PC Maintenance and protecting, FLDP, Benha University, From 11-13/9 /2006.

8-Presentations FLDP, Benha University, From 1-3/8/ 2006.

TRAINING AND TECHNICAL SKILLS

1-Computer courses (BASIC Windows) Cairo University from 3/ 7-11/8 / 1988.

2-University teacher preparation, Faculty of Education-Benha University, From 20-31/10/1990.

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3-English course (General), Faculty of Arts-Ain Shams University,From 22/10- 19/12, 1990.

4-English course (Agriculture), Faculty of Arts - Ain Shams University, from 9/ 2-10 / 3 / 1990).

5-Ethics and Professional Ethics , FLDP, Benha University, from 8 - 9 / 12 / 2004.

6-Making Decisions and Solving Problems, FLDP, Benha University, From 14 - 16/12 / 2004.

7-Legal Aspects , FLDP, Benha University, from 11 - 13 / 6 / 2005.

Financial Aspects of the UniversitiesFLDP, Benha University, from 13 - 15 / 2 / 2006.

8- Preparation of courses electronically, FLDP, Benha University Training of Supervisors Executives, FLDP, Benha University 23/2/2009.

9-Preparation of internal auditors in the first part, FLDP, Benha University, From24-25/6/2009.

10-Self-evaluation for institutions of higher education, NAQAAE, from 13-17 March 2010.

11-External reviewer for institutions of higher education, NAQAAE, from 20-24 March 2010.

12-Electronic control ICTP , December 2013.

13-Strategy plane for institutions of higher education NAQAAE, from 4-5 February 2014.

WORKSHOPS, SYMPOSIUMS AND CONFERENCES

1-French –Egypt symposium "Nitrogen fixation with cereal crops" 26-28 September 1994, International Agriculture Center, Dokki, Egypt.

2-Work shop "New trends for isotopes and radiation uses in modern technology". 27-30 November 1999, Middle East center for isotopes.

3-Ninth conference of microbiology, 25-27 March 1997. (Participate by two researches).

4-International symposium on biological nitrogen fixation and relation of crops production, 11-13 May 1999.

5-Tenth conference of microbiology, 12-14 November 2000 (Participate by two researches).

6-Sixth scientific conference, held at national organization for drug and research control, 23-25 March 2002.

Scientific symposium, benefiting from agricultural residues, 19 May 2002.

7-Scientific symposium "integrated control for post-harvest diseases" 23-24 June 2002, International Agriculture Center, Dokki, Egypt.

8-Second conference for modern techniques in agriculture, Cairo Univ.,28-30 October 2002(Participate by one research).

9-Eleventh conference of microbiology, 12-14 October 2003(Participate with two research).

10-Second conference for environment, South Valley Unv., 28-30 march 2006(Participate by one research).

11-Twelfth conference of microbiology, 18-20 March 2007(Participate by four research).

12-Third Scientific conference "Prospectives horizons for environment development" Zagazig Univ., Faculty of Science, 23-24 June 2008(Participate by one research).

13-Third international conference for environment, South Valley Univ., November 2008 (Participate with one research).

14-Fifth international conference of sustainable agriculture development, Fayoum Univ., 21-23 December 2009(Participate by one research).

15-Thirteenth conference of microbiology, 14-16 March 2010 (Participate by four research).

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16-First conference of Applications of Biotechnology in Agriculture, Hurgada City,18-20 February 2012(Participate by one research).

17-Eleventh conference of Agricultural Development Research, 27-30 March, 2012(Participate by two research).

18-Twelfth conference of Agricultural Development Research, 24-27 March, 2014(Participate by three research).

19-The 2nd Minia International conference for Agriculture and irrigation in the Nile Basin countries, 23-25 March 2015(Participate by two researches).

20-Seventh international conference of sustainable agriculture development, Fayoum Univ., 6-8 March 2017(Participate by one research).

21-Eighth international conference of sustainable agriculture development, Fayoum Univ., 5-7 March 2018(Participate by one research).

22-Fourth conference of Applications of Biotechnology in Agriculture, Hurgada City, 4-7 April 2018(Participate by one research).

23-Ninth international conference of sustainable agriculture development, Fayoum Univ., 4-6 March 2019(Chairman of Sessions).

24-Tenth international conference of sustainable agriculture development, Fayoum Univ., 2-4 March 2020(Participate by one research).

25- Fifth conference of Applications of Biotechnology in Agriculture, Hurgada City, 8-11 April 2020(Participate by one research).

PROMOTION RESEARCHERS AND ACADEMIC STAFF MEMBERS

1-Dr.Abdelhamid salem saqran (Professor), Faculty of Naser of Agriculture Science, Aden Univ., Yamen.

2-Dr.Mohamed Fadl Salem El-Misary (Assistant Professor), Biology Science Department, Faculty of Education Aden Univ., Yamen.

3- Dr. Hassan Mohamed Hassan El-Rahwy (Assistant Professor), Biology Science Department, Faculty of Education, Aden Univ., Yamen.

4-Dr.Saeed Mohamed Awad Ismaeel (Assistant Professor), Physiological Science Department, Faculty of Medicine, Aden Univ., Yamen.

5-Dr. Mohamed Ibraheem Hegazi (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture, Zagazig University, Egypt.

6-Dr. Elsayed Belal Abdelmontleb (Professor), Agricultural Microbiology Department ,Faculty of Agriculture, Kafr-Elsheikh University, Egypt.

7-Dr.Mostafa Elsayed Shalaby, (Professor) , Agricultural Microbiology Department ,Faculty of Agriculture, Kafr-Elsheikh University, Egypt.

8-Dr.Mohamed Saeed Sharaf (Professor), Agricultural Microbiology Department, Faculty of Agriculture, Ain Shams University, Egypt.

9-Dr.Tareq Aly Kheel (Professor), National Research Center, Egypt.

10-Dr.Mona Morsy Elshazly (Assistant Professor), Soil Microbiology and Soil Fertility Department, Desert Research Center, Egypt.

11- Dr.Khadiga Ahmed Abotaleb, (Assistant Professor), Microbiology Department, Faculty of Agriculture, Ain Shams University, Egypt.

13-Teachin Staff Member (Professor), Life Science Department, Faculty of Science,El-Mostanserya University, Baghdad, Republic of Iraq.

13-Dr.Tareq Saeed Eltayeb (Professor), Agricultural Microbiology Department, Faculty of Agriculture, Ain Shams University, Egypt.

14-Aly Salama Aly Salama (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture, Zagazig University, Egypt.

15-Dr. Gehan Farouk Galal (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture, Ain Shams University, Egypt.

16-Dr.Mona Mansour Mahmoud Oraby(Professor), Agricultural Microbiology Department ,Faculty of Agriculture, Ain Shams University, Egypt.

17-Teachin Staff Member (Professor), Life Science Department, Faculty of Science, Baghdad University, Baghdad, Republic of Iraq.

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18-Dr.Raghad Harby El-Ezawy(Professor),Life Science Department, Faculty of Science, Baghdad University, Baghdad, Republic of Iraq.

19-Dr.Mayson Montaser El-Hamando, (Professor),Life Science Department, Faculty of Science, Baghdad University, Baghdad, Republic of Iraq.

20-Dr.Rafat Shybat El-Hamd Khalfallah (Assistant Professor), Microbiology Department, Faculty of Agriculture, South Valley University, Egypt.

21-Dr.Bahaa Abdallah El-Robeiy (Professor),Life Science Department, Faculty of Science, Baghdad University, Baghdad, Republic of Iraq.

22-Dr.Usama Abdel-Tawab Soudy (Professor), Agricultural Microbiology Department, Faculty of Agriculture, El-Fayoum University, Egypt.

23-Dr.Abeer Mohamed Ahmed Bayomy(Assistant Professor),Genetic Engineering and Biotechnology Institute, Elsadat City University,Egypt.

24-Dr.Marwa Salah Abdel-Hameed (Assistant Professor), Genetic Engineering and Biotechnology Institute, Elsadat City University,Egypt.

25-Dr. Gehan Farouk Galal (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture, Ain Shams University, Egypt.

26-Dr.Yaser Fathy Abdel-Aleem (Assistant Professor), Microbiology Department, Faculty of Agriculture, El-Fayoum University, Egypt.

27-Dr.Raghad Harby El-Ezawy(Professor),Life Science Department, Faculty of Science, Baghdad University, Baghdad, Republic of Iraq.

28-Dr.Heba Ahmed Ibraheem Khaleel (Assistant Professor), Soil Microbiology and Soil Fertility Department, Desert Research Center, Egypt.

29-Dr.Mona Hussein Badawy(Professor), Agricultural Microbiology Department ,Faculty of Agriculture, Cairo University, Egypt.

30-Dr. Mohamed Tawfeek Abbas Ahmed (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture and Natural Resources, Aswan University, Egypt.

31-Dr.Abeer Abdel-Wahab Fassel (Assistant Professor),Agricultural and Applied Science Department, Higher Institute for Agricultural Co-operation ,Ministry of Higher Education, Egypt.

32-Dr.Hassan Hedaya El-Sebai (Professor), Agricultural Microbiology , Faculty of Agriculture, Al-Azhar University.

33-Dr.Beheiry Ahmed Ali (Assistant Professor), Agricultural Microbiology Department, Faculty of Agriculture, Zagazig University, Egypt.

34-Dr. Abdullah Safar Abdullah Al-thubiani (Associate Professor), Dept. of Biological Sciences, Faculty of Applied Science, Umm Al-Qura University, Makkah, Saudi Arabia.

35- Dr. Hussein Hassan Hussein Abulreesh (Professor), Dept. of Biological Sciences, Faculty of Applied Science, Umm Al-Qura University, Makkah, Saudi Arabia.

36-Dr.Rania Farouk Ahmed (Associate Professor), Agricultural Microbiology, Faculty of Agriculture, Ain Shams University.

37-Dr.Anas dablol (Professor), Faculty of Health Science, Umm Al-Qura University, Makkah, Saudi Arabia.

EVALUATION OF RESEARCH PROJECTS

1-Utilization of some agricultural wastes in food and feed processing.

2- Screening and selecting of some indigenous Egyptian algae for wastewater treatment, biodiesel and animal food production using some biotechnological methods.

3-Bio- energy production (biofuel, biodiesel, biogas) from agricultural wastes.

4-Using of Biotechnology in treatment of agricultural wastes for biofertilizers production.

5-Study of biodegradation of organic pollutants in accordance to the sediment redox potential of Lake Mariout.

6-The relation between phosphoenolpyruvate and P11 protein in phosphotransferase system (PTS) in nitrogen fixing bacteria.

7- Fungal diversity in Egyptian polluted soils and bioremediation potential of fungal isolates.

8- Nematode pests of potential plants: prospects for control by a strategy of natural resistance.

9-Mycoendophyte diversity on a global scale- application to enhance maize resistance to biotic and abiotic stress.

10-Chemical and Biological properties of Egyptian Tiger Nuts to be used in food and pharmaceutical industries.

11-Production, optimization and in-vitro anticancer activity of exopolysaccharide from marine Bacillus subtilis subsp. Spizizenii strain BU2016.

12- Production of biofertilizers loaded on some agricultural wastes.

13-Algal biomass Production for use it as non-conventional fish feed; remediation of chemicals contaminated water; CO_2 capture; biodiesel and omega-3 production.

14-Production of single cell protein by yeasts capable of starch utilization using wastewater of potato chips manufacturing.

Prof.Dr.R.A.Zaghloul — Dean

Prof. of. Microbiology — Prof.Dr: M.M.Iraqi