



Personal information

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Home address: Toukh, Qaluobia, Egypt.
Date of birth: 9th September, 1983
Gender: Female
Nationality : Egyptian
Current position: Lecturer of Agric. microbiology, Department of Agric. Botany, Faculty of Agriculture, Benha University.
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Education

Ph.D.
(2008-2012) Ph.D. in Agriculture Microbiology. Thesis entitled with "Increasing the effectiveness of growth promoting microorganisms to improve vegetable crops productivity under saline stress". Dissertation research including 15 post-graduate courses. A course in (German language) was studied.

M.sc.
(2004-2008) M.Sc. in Agriculture Microbiology. Thesis entitled with "Efficiency of some microorganisms in production of some plant growth stimulating substances". Including 12 post-graduate courses in Agriculture microbiology, a course in (English language), another in (preparation and writing scientific research) and two special studies papers courses.

B.Sc.
(2000-2004) B.Sc. in Plant pathology. Final grad was Excellent with honor degree from Faculty of Agriculture, Benha branch- Zagazig University, Egypt.

Professional Experience

- (2012 to present): Lecturer in Agri. Microbiology Branch, Agric. Botany Department, Faculty of Agriculture, Benha University, Egypt.
- (2008 – 2012): Assistant Lecturer in Agri. Microbiology Branch, Agric. Botany Department, Faculty of Agriculture, Benha University, Egypt.
Demonstrator in Agri. Microbiology Branch, Agric. Botany Department, Faculty of Agriculture, Benha Branch, Zagazig University, Egypt.
- (2004-2008):

Professional Memberships

1. Member of the society of applied microbiology (ESAM)
2. Member of Agriculture Chemistry & Environment Protection Society

Conferences

1. Third international scientific conference for environment south valley Univ. Egypt, November 2008.
2. The thirteenth Microbiology Conf., Cairo, Egypt, 14 – 16 March 2010.
3. The thirteenth Microbiology Conf., Cairo, Egypt, 14 – 16 March 2010.
4. Conference of Agric. Res. Development, Fac. Agric. Ain Shams Univ., 28-31 March 2012.
5. Conference of Applications of Agric. Biotechnology in Agriculture, 18-21 February 2012.
6. Sixth Conference of the Association of Agricultural Chemistry and Environmental Protection, 27-28 February 2013.
7. The 12th Conference of Agricultural development Researches, Fac. Agric. Ain Shams Univ., 24-27 March 2014.

Workshops

- Data statistical analysis using SPSS program "statistical basic and practical application", March 31, 2013 at NRC, Cairo, Egypt.
- High performance liquid chromatography (HPLC), April 17 2013 at Fac. Agric., Benha Univ., Egypt.

Language skills

	Can convers	Can read	Can write
<input checked="" type="checkbox"/> Arabic	Excellent	Excellent	Excellent
<input checked="" type="checkbox"/> English	Excellent	Excellent	Excellent

Teaching courses at under graduate level

- Principles of Agric. Microbiology
- Agric. Microbiology
- Soil Microbiology
- Microbial enzymes
- Applied microbiology
- Biotechnology of microorganisms

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Teaching courses at post graduate level

- Applied Microbiology
- Biofertilizers
- Biological treatment
- Microbiology of water and sewage
- Recycling and reusing of wastes
- Microbiology of environment pollution
- Production of bio-products
- Microbiology of organic fertilizers.

Information technology and communications

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|--|----------------------------|
| <input checked="" type="checkbox"/> Word Processing | ICTP, Benha University |
| <input checked="" type="checkbox"/> Using computers and managing files | ICTP, Benha University |
| <input checked="" type="checkbox"/> E-Spreadsheets | ICTP, Benha University |
| <input checked="" type="checkbox"/> M state analysis program | Fac. of Agric. Benha Univ. |
| <input checked="" type="checkbox"/> SPSS analysis program | National research center |

Training attended / Technical skills acquired

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| <input checked="" type="checkbox"/> Scientific research methods | FLDP, Benha University |
| <input checked="" type="checkbox"/> Effective teaching | FLDP, Benha University |
| <input checked="" type="checkbox"/> Legal Aspects | FLDP, Benha University |
| <input checked="" type="checkbox"/> Thinking skills | FLDP, Benha University |
| <input checked="" type="checkbox"/> Ethics and Professional Ethics | FLDP, Benha University |
| <input checked="" type="checkbox"/> Teacher preparation | Fac. of Education - Benha Univ. |
| <input checked="" type="checkbox"/> English course | Zagazig University |
| <input checked="" type="checkbox"/> English course | Benha University |

Training sessions in the quality of education

- 1) Self-evaluation of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 23-24 December 2013, Egypt.
- 2) Strategic Planning of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 4-5 February 2014, Egypt.
- 3) External audit of higher education institutions. National Authority for Quality Assurance and Accreditation of Education, 11-12 February 2014, Egypt.

Special units Memberships

- Member of the team work of Microbial analysis unit, Fac. Agric., Benha Univ., Egypt.
- Member of the team work of Biotechnology Laboratory, Fac. Agric., Benha Univ., Egypt.

Area of research

- Using of microorganisms in the production of biological substances.
- Interesting to use microorganisms for controlling environmental problems with safe methods.
- Interesting to Biofertilization and organic fertilization to control of some soil problems such as salinity and controlling phytopathogenes.

Research projects

- **Co-worker in project entitled with "Application of microorganisms for biofertilizers production". Center of support and develop scientific research, Benha University, 2013-2015.**

Supervising (in progress) two Master theses in Agricultural Microbiology entitled with

- 1) **Application of biofertilization and foliar feeding for peanut production.**
- 2) **Microbiological and Chemical Evaluation of River Nile Water.**

List of publications

- 1) **Zaghloul, R. A.; Ehsan A. Hanafy; A. GH. Rahal; N. A. Neweigy and Rasha, M. El-Meihy (2008).** Efficiency of soil inoculation with growth regulators producing microorganisms on some enzymes activity. Third international scientific conference for environment south valley Univ. Egypt, November 2008.
- 2) **Rahal, A. GH. ; R. A. Zaghloul; N. A. Neweigy; Ehsan A. Hanafy1 and Rasha, M. El-Meihy (2010).** The best environmental conditions for the plant growth regulators production by bacteria. The thirteenth Microbiology Conf., Cairo, Egypt, 14 – 16 March 2010.
- 3) **Rahal, A. GH. ; R. A. Zaghloul; N. A. Neweigy; Ehsan A. Hanafy and Rasha, M. El-Meihy (2010).** Convenient carbon source and precursor substances for improving the growth regulators production by plant growth promoting rhizobacteria. The thirteenth Microbiology Conf., Cairo, Egypt, 14 – 16 March 2010.
- 4) **Zaghloul, R. A.; Ehsan A. Hanafy; A. GH. Rahal; N. A. Neweigy and Rasha, M. El-Meihy (2010).** Interaction effect between growth regulators producing bacteria root-rot fungi on tomato growth plants. The thirteenth Microbiology Conf., Cairo, Egypt, 14 – 16 March 2010.
- 5) **Rahal, A. GH.; Ehsan A. Hanafy; R. A. Zaghloul; H. E. Abou-Aly and Rasha, M. El-Meihy (2011).** Assessment of plant growth promoting rhizobacteria activity under saline stress. *Annals of Agric. Sci., Moshtohor*, 49(2):1-10.
- 6) **Abou-Aly, H. E.; R. A. Zaghloul; Ehsan, A. Hanafy; A.GH. Rahal and Rasha, M. El-Meihy (2012).** Colonization of pepper roots with salt-tolerant PGPR as an inducer for saline stress. Conference of Agric. Res. Development, Fac. Agric. Ain Shams Univ., 28-31 March 2012.
- 7) **Hanafy, Ehsan, A.; R. A. Zaghloul; H. E. Abou-Aly; A. GH. Rahal and Rasha, M. El-Meihy (2012).** Effect of salt-tolerant PGPR on the activity of some microbial and plant enzymes under saline stress. Conference of Agric. Res. Development, Fac. Agric. Ain Shams Univ., 28-31 March 2012.
- 8) **Zaghloul, R. A., Ehsan A. Hanafy, H. E. Abou-Aly; A. GH. Rahal and Rasha, M. El-Meihy (2012).** Using plant growth promoting rhizobacteria for tomato growth improvement under saline stress. Conference of Applications of Agric. Biotechnology in Agriculture, 18-21

February 2012.

- 9) **Zaghloul, R. A., Ehsan A. Hanafy, H. E. Abou-Aly; A. GH. Rahal and Rasha, M. El-Meihy (2013).** Effect of biofertilization and organic manuring on growth performance and chemical composition of tomato under saline stress. The 12th Conference of Agricultural development Researches, Fac. Agric. Ain Shams Univ., 24-27 March 2014.
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Dr. Rasha El-Meihy

Rasha El-Meihy C.V