

***Curriculum Vitae of Dr. Riadh Francis, B.Sc., Ph. D. (University Of Baghdad, Iraq, 1974, University of Sheffield, UK, 1985).***



**PERSONAL DETAILS:**

Name and title: Assistant Professor Dr. Riadh Francis Dinha

Date of birth: 01.07.1952

Marital status: Married

Languages spoken: English, Kurdish, Arabic & Syriac (Aramaic).

Home address: 22 Kennedy Road, Sheffield, S8 0HD, UK.

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Current position: CUE President (November, 2020)

Latest Position: Director of Quality Assurance, University of Salahaddin, Erbil, and Assistant Professor of Biological Sciences, College of Science, University of Salahaddin, Erbil, Iraq.

**EDUCATION**

**1974** B. Sc. (Biological Sciences) (College of Science, University of Baghdad, Baghdad, Iraq, Grade Very Good (first rank amongst the graduates of the department).

**1985** Ph. D. (Biological Sciences) (School of Biological Sciences, University of Sheffield, Sheffield, UK).

## **CONFERENCES, WORKSHOPS & TRAINING COURSES**

- 2013** Institute of International Education (IIE) Conference and Training Workshop ON “Student and Faculty Evaluation and Assessment”, Erbil, Iraq.
- 2013** UNESCO workshop on Quality, Project and Change Management & Lean Administration, Doha, Qatar.
- 2012** Institute of International Education (IIE) Conference and Training Workshop on " Standards of Quality Assurance and Accreditation in Higher Education", Erbil, Iraq.
- 2012** Institute of International Education (IIE) Conference and Training Workshop on " Expanding Academic Collaboration and Institutional Linkages between the United States and Iraq"
- 2011** 4th International Scientific Conference of Salahaddin University, Erbil, Iraq.
- 2011** 2<sup>nd</sup> International Visible Conference on Education Management, Ishik University, Erbil, Iraq.
- 2011** Quality Assurance Database workshop, Sulaimani University, Sulaimani, Iraq.
- 2011** WASC (Western Association of Schools and Colleges-USA) workshop on Accreditation, Erbil, Iraq.
- 2011** Quality Assurance Project, Coventry University, UK (Part of Delphe Project on Iraqi Higher Education).
- 2010** 3<sup>rd</sup> Preparatory Course for MRCOG Examinations, Erbil, Iraq.
- 2007** International Conference on Higher Education in Iraq, Erbil, Iraq.
- 1998** 2<sup>nd</sup> International Conference on Mycorrhizas (ICOM2), Uppsala, Sweden.
- 1994** Fourth European Symposium on Mycorrhizas (4th ESM), Granada, Spain.
- 1993** (Evaluating Your Own Teaching) Course organised by Staff Training and Development Unit of Sheffield University, UK.

- 1993** (Active Learning in Higher Education) course organised by Staff Training and Development Unit of Sheffield University, Sheffield, UK.
- 1989** 3rd National Conference of Pests and Diseases of Vegetables and Fruits in Egypt and Arab Countries", Ismalyia, Egypt.
- 1988** 5th Conference of Iraqi Society of Microbiology, Baghdad, Iraq.
- 1984** Sixth North American Conference on Mycorrhizas (NACOM) , USA.

### **PROFESSIONAL EXPERIENCE**

- 2011- 2014** Director of Quality Assurance, University of Salahaddin, Erbil, Iraq.
- 2009** Director of Academic Coordination with Private Universities, Ministry of Higher Education & Scientific Research, Kurdistan Regional Government.
- 2008** Director of Cultural Relations, Ministry of Higher Education & Scientific Research Kurdistan Regional Government.
- 2007** Director of Protocol, Ministry of Higher Education & Scientific Research, Kurdistan Regional Government and also an assistant for International Relations at Minister's Office.
- 2000-2007** Accredited interpreter (on the National Register of Public Services Interpreters – NRPSI, UK) and then Director of Language Orbit Ltd. for Translation and Interpretation services in the UK. (Kurdish, Arabic and Syriac).
- 1993-2000** Post-doctoral Research Scientist at the Department of Animal and Plant Sciences, University of Sheffield, Sheffield, UK. (A grant from Agriculture and Food Research Council of UK – AFRC and Natural Environment Research Council of UK- NERC).
- 1991-1993** Honorary Research Fellow (Developing Countries Fellowship of the Royal Society of UK) at the Department of Animal and Plant Sciences, Sheffield University, Sheffield, UK.

- 1989-1991** Assistant Professor at the Department of Biology, Faculty of Science, Salahaddin University, Erbil, Iraq, supervising M.Sc. projects and lecturing in the fields of Fungal Physiology and Symbiotic Relationships to postgraduate students.
- 1985-1989** Lecturer at the Department above, Faculty of Science, Salahaddin University, Erbil, Iraq, in the fields of Microbiology and Microbial Physiology.
- 1984-1985** Demonstrator for the third year students of Biological Sciences at the University of Sheffield, Sheffield, UK, during the last year of the Ph.D. program.
- 1981-1982** Demonstrator, Biology Department, Faculty of Science, Sulaimani University, Iraq (in Mycology, Bacteriology and Plant Physiology).
- 1976-1981** Research assistant at the laboratory of Animal Health Division, General Administration of Agriculture, Erbil, Iraq.
- 1974-1975** Assistant microbiologist at Bacteriology Division, Mosul Hospital , Mosul, Iraq.

### **MEMBERSHIP OF SOCIETIES**

1. Member of Microbiological Society of Iraq (1976-1980).
2. Member of Iraqi Biological Society - Branch of Northern Iraq (1980-1982).
- 3- Member of Kurdistan Biology Syndicate (2010-till retirement).
- 4- Member of Founding Board of Hadyab Society for competencies, Erbil, Iraq.
- 5- Member of Advisory Board of Hadyab Society for competencies, Erbil, Iraq.

### **ACADEMIC & ADMINISTRATION EXPERIENCE**

- 1989-1991** Member of Postgraduate Studies Committee, Biology Department, College of Science, Salahaddin University, Erbil, Iraq.

**1988-1990** Chairman of Committee of Import at Biology Department, College of Science, University of Salahaddin, Erbil, Iraq.

**1988-1989** Member of Scientific Committee, Department of Biology, College of science, University of Salahaddin, Arbil, Iraq.

**1986-1988** Member of Senate of College of Science and Manager of the Library of the same college, University of Salahaddin, Arbil, Iraq.

### **RESEARCH SUPERVISION EXPERIENCE**

1. Supervision of three M.Sc. students in the following subjects:
  - a. Studies on vesicular -arbuscular mycorrhizas of natural vegetation system northern area of Iraq.
  - b. Effect of some vesicular-arbuscular mycorrhizal fungi on the growth of some selected crop plants in northern area of Iraq.
  - c. Effect of some chemicals and their interaction with sorghum root exudates on germination and growth of *Orobanche aegyptiaca* Pers.
2. Supervision final year projects of B.Sc. students of Biology Department, Faculty of Sciences, University of Salahaddin, Erbil, Iraq. 1987-1991.
3. Established a pioneer laboratory for mycorrhizal researches at the Department of Biology, faculty of Science, University of Salahaddin, Erbil, Iraq. 1988.

### **SEMINARS, CONFERENCES AND OTHERS**

Seminars upon invitation on “mycorrhizas” at:

- 1- Department of Microbiology,  
Faculty University of Mustansyriah, Baghdad, Iraq. 1987.
- 2- Department Of Microbiology, Faculty of Sciences, University of Baghdad, Iraq.  
1988.

- 3- Department of Biology, Faculty of Education, University of Mosul, Mosul, Iraq, 1989.
- 2- Participation in the 5th Conference of Iraqi Society of Microbiology, Baghdad, Iraq. 1988.
- 3- Participation in the 3rd National Conference of Pests and Diseases of Vegetables and Fruits in Egypt and Arab Countries. Ismalyia, Egypt. 1989.
- 4- Participation in the Fourth European Symposium on Mycorrhizas (4th ESM), Granada, Spain 11-14 July, 1994.
- 5- Translation of the text book "Fungal Nutrition and Physiology", by Garraway, M.O. and Evans, R.C.1984, to Arabic (published in Arabic, in 1990).
- 6- Edited the booklet of "Mycorrhizas: what do you know about their impacts and roles in the nutrition and growth of the host plants" (published in Arabic in 1990).

## **PUBLISHED PAPERS**

- 1- Francis, R. and Read, D.J. (1984). Direct transfer of carbon between plant connected by vesicular-arbuscular mycorrhizal mycelium. *Nature*, **307**, 53-56.
- 2- Read, D.J. and Francis, R. (1984). Mycorrhizas and inter-plant transfer of nutrients. II. Vesicular- arbuscular mycorrhizas. In: "Proceedings of the 6th North American Conference on Mycorrhizas" (NACOM), 321- 323 (ed. R. Molina).
- 3- Read, D.J., Francis, R. and Finlay, R.D. (1985). Mycorrhizal mycelia and nutrient cycling in plant communities. In: "Ecological interactions in soil, plants, microbes and animals". British Ecological Society Special Publication, No.4 (ed. A.H. Fitter, D. Atkinson, D.J. Read and M.B. Usher), 193-217.
- 4- Francis, R., Finlay, R.D. and Read, D.J. (1986). Vesicular-arbuscular mycorrhiza in natural vegetation systems. IV. Transfer of nutrients in inter- and intra-

- specific combinations of host plants. *New Phytol.* **102**, 103-111.
- 5- Francis, R. and Read, D.J. (1988). The capacity of vesicular-arbuscular mycorrhizal plants to utilize simple organic sources of nitrogen, *Zanco*, **3**, 63-69.
  - 6- Francis, R. and Read, D.J. (1988). Inter and intra-specific transfer of carbon between vesicular- arbuscular mycorrhizal plants in light and shade. *Zanco*, **3**, 89-96.
  - 7- Francis, R. and Merivian, Y.N. (1988). Occurrence of vesicular-arbuscular - mycorrhiza in natural vegetation systems of Arbil area. *Zanco*, **3**, 51-60.
  - 8- Francis, R. and Hameed, K.M. (1988). A first record of three species of vesicular-arbuscular mycorrhizal fungi in soils of Iraq. *Zanco*, **1**, 19-29.
  - 9- Francis, R. and Hameed, B.S. (1988). The influence of vesicular-arbuscular mycorrhizal fungi *Glomus mosseae* and *Glomus etunicatum* on growth and nutrient uptake of some selected plants. In: "Proceedings of the 5th Scientific Conference of Iraqi Microbiological Society", Baghdad, Iraq.
  - 10- Francis, R. and Al-Khezraji T. O. (1989). Preliminary observations on morphology and anatomy of ectomycorrhizas of *Pinus brutia* in northern area of Iraq. *Zanco*, **2**, **4**.
  - 11- Al-Garawi, I.D., Al-Khasraji, T.O. and Francis, R. (1989). Effect of some – chemicals and their interaction with sorghum root exudates on germination and growth of *Orabanche aegyptiaca* Pers. In: "Proceedings of the 3rd National Conference of Pests and Diseases of Vegetables and Fruits in Egypt and Arab Countries", Ismalyia, Egypt.
  - 12- Francis, R. and Younis, A.A. (1990). Studies on vesicular-arbuscular mycorrhizas of natural vegetation systems in northern area of Iraq. I. The mycorrhizal status among species of natural plant communities. *Zanco*, **1,3**.
  - 13- Francis, R. and Younis, A.A. (1990). Studies on vesicular-arbuscular mycorrhizas of natural vegetation systems in northern-area of Iraq. II. The relationship between soil characteristics and levels of infection in the field. *Zanco*, **1**, **3**.
  - 14- Francis, R. and Younis, A.A. (1990). Studies on vesicular-arbuscular

mycorrhizal of natural vegetation systems in northern area of Iraq. III. Several unreported vesicular-arbuscular mycorrhizal fungi from Iraq. *Zanco*, **2**.

- 15- Francis, R. and Read, D.J. (1994). The contributions of mycorrhizal fungi to the determination of plant community structure. *Plant and Soil*, **159**, 11-25.
- 16- Francis, R. and Read, D.J. (1995). Mutualism and antagonism in the mycorrhizal symbiosis, with special reference to impacts upon plant community structure. *Can. J. Bot.*, **73**, 1301-1309.
- 17- Francis, R. and Read, D.J. (1996). Mycorrhiza in *Echium vulgare*- Mutualistic or not Mutualistic? that is the Question! Presented as a poster In: Proceedings of the Fourth European Symposium on Mycorrhizas - 4th ESM -, Granada Spain.
- 18- Francis, R. And Read, D. J. (1998). Evidence of antagonistic effects of vesicular-arbuscular mycorrhizal fungi on the growth of non-host plants. In: Proceedings of the Second International Conference on Mycorrhizas (ICOM2), Uppsala, Sweden.
- 19- Olsson, P. A., Francis, R., Read, D. J. and Soderstrom, B.(1998). Growth of arbuscular mycelium in calcareous dune sand and its interaction with other soil microorganisms as estimated by measurement of specific fatty acids. *Plant and soil*, **201**, 9-16.
- 20- Read, D. J., Duckett, J. G., Francis, R., Lignor, R. and Russell, A. (2000). Symbiotic fungal associations in "lower" land plants. *Philosophical Transactions of the Royal Society of London B*. 355, 815-832.