

Curriculum Vita



Name: Prof. Dr. Ehab Abdel-Razik Kamel Aly
Religion: Islam
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Position:

Professor of Plant Taxonomy (Cytotaxonomy), Faculty of Education, Department of Biological Sciences, Ain Shams University, Roxy – Cairo, Egypt.

Work history:

- 1- Botany Demonstrator, Department of Biological Sciences and Geology, Faculty of Education – Ain Shams University (1985).
- 2- Assistant Lecturer of Botany, Department of Biological Sciences and Geology, Faculty of Education – Ain Shams University (1993).
- 3- Lecturer of Botany (Cytotaxonomy), Department of Biological Sciences and Geology, Faculty of Education – Ain Shams University (1996).
- 4- Assistant Professor of Plant Cytotaxonomy, Department of Biological Sciences and Geology, Faculty of Education – Ain Shams University (2003).
- 5- Professor of Plant Cytotaxonomy, Department of Biological Sciences and Geology, Faculty of Education – Ain Shams University (2007).

Thesis supervising:

- 1- Comparative studies on some species of the *Rosaceae* (PhD Thesis).
- 2- Biochemical genetic and molecular fingerprints of some *Cruciferae* plants (MSc Thesis).
- 3- Protein patterns (differences and similarities) among some taxa of filamentous fungi using SDS-PAGE, as a base for classification of fungi (MSc Thesis).
- 4- Molecular genetic and physiological studies on salt tolerance in some Canola (*Brassica napus* L.) genotypes (PhD Thesis).

- 5- Biochemical and molecular genetic studies on some cyanobacterial isolates (blue green algae) and their use in biological control of some plant diseases (MSc Thesis).
- 6- Cytogenetic effects of some fungicides used for the control of *Fusarium* diseases of *Pisum sativum* L. (PhD Thesis)
- 7- Application of automated key-generating techniques to the identification of the *Chenopodiaceae* of Egypt (PhD Thesis)
- 8- Effect of some antioxidants on protein patterns of some filamentous fungi as well as amylases production (PhD Thesis)
- 9- Cytogenetic changes in some species of *Solanaceae* caused by the metabolites of its rhizospheric fungi (MSc Thesis).

Membership of proficiently society:

- 1- Egyptian syndicate of scientific professions (1986).
- 2- The Egyptian botanical society (1989).
- 3- The Arabian biologists society (2001).
- 4- The Egyptian society of genetics (2000).
- 5- Member of the international Compositae alliance (TICA) – Sweden.
- 6- Member of the Saudi Biological Society (Saudi Arabia).

Symposium, conferences and training courses:

- 1- Training course in electron microscopy (Techniques & Interpretation), Faculty of Science – Alexandria University – Egypt (1993).
- 2- The First symposium of Taxonomy, Flora, Ecology and Applications. Faculty of Science – Ain Shams University – Egypt (2003).
- 3- The 21th scientific conference of the Egyptian society of toxicology. Girls' Collage – Ain Shams University – Egypt (2006).
- 4- International congress on molecular genetics. Faculty of Science – Ain Shams University – Egypt (1997).
- 5- The training workshop on the DNA sequencing. Faculty of Science – Ain Shams University – Egypt (1997).
- 6- The international computer driving licence. (ICDL).
- 7- The training workshop on herbarium and the Egyptian flora. Database of Egyptian flora unit (DEFU). Faculty of Science – Ain Shams University – Egypt (2004).
- 8- The 26th Meeting of the Saudi Biological Society (10-12 May, 2011), Al-Taif University – Saudi Arabia.
- 9- The 27th Meeting of the Saudi Biological Society (6-8 March, 2012), Jazan University – Saudi Arabia.
- 10- The Fifth Saudi Science Conference (16-18 April, 2012) - (SSC5'2012) – Umm Al-Qura University – Saudi Arabia.
- 11- The 28th Meeting of the Saudi Biological Society (9-11 April, 2013), Hail University – Saudi Arabia.
- 12- The 29th Meeting of the Saudi Biological Society (25-27 February, 2014), Dammam University – Saudi Arabia.
- 13- The 30th Meeting of the Saudi Biological Society (7-9 April, 2015), Tabuk University – Saudi Arabia.

Title of MSc Thesis:

Cytological and physiological comparative studies on some lettuce varieties.

Title of PhD Thesis:

Studies on some relationships between some taxa in the *Asteraceae*.

Chief Editor of:

Research Journal of Biology (RJB)-ISSN 2322-0066 (Editor-in-Chief)
IF: 0.4

Journal's Referee:

- 1- Journal of Medicinal Plants Research.
- 2- African Journal of Biotechnology.
- 3- African Journal of Agricultural Research.
- 4- African Journal of Plant Science.
- 5- Agricultural Science Research Journal.
- 6- African Journal of Microbiology Research.
- 7- Egyptian Journal of Botany.
- 8- Acta Physiologiae Plantarum.
- 9- International Journal of Plant and Animal Sciences
- 10- Bangladesh Journal of Plant Taxonomy (BJPT)
- 11- Saudi Journal of Biological Sciences
- 12- Pakistan Journal of Botany

Technical Editor:

- 1- Pakistan Journal of Biological Sciences.
- 2- Asian Journal of Plant Sciences.
- 3- International Journal of Botany.
- 4- Asian Journal of Cell Biology.
- 5- Asian Journal of Biological Sciences.

List of publications:

- 1- Comparison between four lettuce cultivars using cytological and morpho-logical features. Journal of the Faculty of Education. Aboel Atta, A. I. I.; El-Nahas, A. and **Kamel, E.** 19: 383-394 (1994).
- 2- Chromosomal studies in the Egyptian flora - VI. Karyotype features of some species in subfamily Asteroideae (Asteraceae). Badr, A.; **Kamel, E. A.** and Garcia-Jacas, N. Compositae Newsletter. 30: 15-28 (1997).
- 3- Karyological studies on some taxa of the Asteraceae in Egypt. Compositae Newsletter. **Kamel, E. A.** 33: 1-18 (1999).
- 4- Karyological studies on some taxa of the genus *Vicia* L. (Fabaceae). Cytologia. **Kamel, E. A.** 64(4): 441-448 (1999).

- 5- Electrophoretic studies of seed proteins and the relationships of some species of the genus *Vicia* L. **Kamel, E. A. R.** and El-Mashad, A. A. A. FABIS Newsletter. 42: 5-11 (1999).
- 6- Studies on some relationships between certain species of the Ranunculaceae. Aboel Atta, A. I. I.; **Kamel, E. A.**; Loutfy, M. H. A. and El-Mashad, A. A. A. Egypt. J. Biotechnol. 6: 35-59 (1999).
- 7- Chromosomal studies on some species in the Ranunculaceae. **Kamel, E. A.** Egypt. J. Biotechnol. 7: 43 –53 (2000).
- 8- Chromosome counts and karyological studies on six taxa of the Egyptian Asteraceae. **Kamel, E. A.** Compositae Newsletter. 36: 81-94 (2001).
- 9- Studies in the Maloideae (Rosaceae) I. *Chaenomeles* Lindley and *Cydonia* Miller. Loutfy, M. H. A.; El-Mashad, A. A. A. and **Kamel, E. A.** Taekholmia. 19(2): 97-114 (1999).
- 10- Amelioration of NaCl stress in *Pisum sativum* Linn. El-Mashad, A. A. A. and **Kamel, E. A.** Indian J. Exp. Biol. 39:469-475 (2001).
- 11- Biochemical changes in germinated wheat grains treated with sinal herbicide. Mohamed, A. M. A.; El-Mashad, A. A. A. and **Kamel, E. A.** Agricultural Development Researches, Faculty of Agriculture, Ain Shams University, (20-22 Nov. 2000).
- 12- The significance of cuticular features, petiole anatomy and SDS-PAGE in the taxonomy of the *Lauraceae*. **Kamel, E. A.** and Loutfy, M. H. A. Pakistan J. Biol. Sci. 4(9): 1094-1100 (2001).
- 13- The impact of soaking faba bean seeds in influent and effluent sewage water on the ultrastructural response of the root and leaf cells. El-Nahas, A. I.; Abdallah, S. A and **Kamel, E. A.** The 1st International Conference of Egyptian British Biological Society, Faculty of Science, Suez Canal University, (29-30 July, 2001).
- 14 - Cytotaxonomical Investigation of the Egyptian *Compositae* (Asteraceae): I- *Cardueae* and *Cichorieae*. **Kamel, E. A.** Compositae Newsletter. 41: 9-28 (2004).
- 15- Molecular characterization of some taxa of the genus *Raphanus* L. (*Cruciferae* = *Brassicaceae*). **Kamel, E. A.**; Hassan, H. Z.; El-Nahas, A. I. and Ahmed, S. M. Cytologia. 69(3): 249-260 (2004).
- 16- Seed Protein Diversity and the Relationships within the *Campanulaceae*. **Kamel, E. A.** Assiut Univ. J. Bot. 34(2): 507-526 (2005).
- 17- Karyotype characterization and polyploid variations in some genotypes of *Triticum aestivum* L. **Kamel, E. A.** Cytologia. 71(2): 169-174 (2006).
- 18- On the taxonomy of *Gentiana* L. and *Gentianella* Moench. (*Gentianaceae*): evidence from seed coat morphology and seed protein electrophoresis. **Kamel, E. A.**; Elwan, Z. A. and Loutfy, M. H. A. Assiut Univ. J. Bot. 35(2): 1-13 (2006).

- 19- Systematic implication of seed coat morphology in *Campanulaceae* Juss. Elwan, Z. A.; Aboel-Atta, A. I. I.; Loutfy, M. H. A. and **Kamel, E. A.** *Taeckholmia*. 26(2): 35-62 (2006).
- 20- Biochemical and molecular variations in *Raphanus* L. based on SDS-PAGE of seed proteins and isozymes patterns. **Kamel, E. A.** *Assiut Univ. J. Bot.* 34(1): 95-113 (2005).
- 21- Seed coat micromorphology and SDS-PAGE and its implications in the taxonomy of certain taxa of the *Labiatae*. **Kamel, E. A.**; Loutfy, M. H. A. and Elwan, Z. A. *Egypt. J. Biotechnol.* 23: 87-103 (2006).
- 22- Interactive Effect of Heavy Metals and Gibberellic Acid on Mitotic Activity and Some Metabolic Changes of *Vicia faba* L. Plants. Mansour, M. M. and **Kamel, E. A.** *Cytologia*. 70(3): 275–282 (2005).
- 23- Effect of different temperatures on germination, seedling growth, metabolism and protein banding pattern of *Lupinus termis*. El-Mashad, A. A. A.; Mohamed, A. M. A. and **Kamel, E. A.** *Egypt. J. Biotechnol.* 12: 213–228 (2002).
- 24- Studies on The *Rosaceae* I- Seed and/or Achene Macro and Micromorphology. Dowidar, A. E.; Loutfy, M. H. A.; **Kamel, E. A.**; Ahmed, A. H. M. and Hafez, H. H. L. *Pakistan J. Biol. Sci.* 6(20): 1778-1791 (2003).
- 25- Studies on The *Rosaceae* II- SDS-PAGE Seed Protein Electrophoresis and Its Significance in The Taxonomy of The Family. Dowidar, A. E.; **Kamel, E. A.**; Ahmed, A. H. M.; Loutfy, M. H. A. and Hafez, H. H. L. *Pakistan J. Biol. Sci.* 6(21): 1820-1829 (2003).
- 26- Electrophoretic characterization and the relationship between some Egyptian *Cruciferae*. **Kamel, E. A.**; Hassan, H. Z. and Ahmed, S. M. *OnLine J. Biol. Sci.* 3(9): 834-842 (2003).
- 27- *Rhizobium* as a biological agent for preventing heavy metal stress. Abbas, S. M. and **Kamel, E. A.** *Asian J. Plant Sci.* 3(4): 416-424 (2004).
- 28- Genetic variations and the relationships among some species of the genus *Brassica* L. based on DNA (RAPD) analysis. **Kamel, E. A.**; Hassan, H. Z.; El-Nahas, A. I. and Ahmed, S. M. *Egypt. J. Biotechnol.* 19: 346–363 (2005).
- 29- Protein patterns (SDS-PAGE) as a mean in classification and identification of *Penicillium* spp. Afifi, A. F.; **Kamel, E. A.**; Fawzi, E. M. and Houseny, M. M. *New Egyptian Journal of Microbiology.* 14: 280-290 (2006).
- 30- Biochemical and molecular genetic relationships among some species of the genus *Brassica* L. **Kamel, E. A.**; Hassan, H. Z.; El-Nahas, A. I. and Ahmed, S. M. *Pakistan Journal of Scientific and Industrial Researches (PJSIR)* (2005).
- 31- Variation in seed protein electrophoretic pattern and the relationships in the genus *Brassica* L. (*Brassicaceae*). **Kamel, E. A.** *Indian Soc. Seed Technol* (2006).
- 32- Ultrastructural Responses of Faba Bean Leaves and Roots Cell Grown from Seeds Soaked in Effluent and Influent Sewage Water. S. A. Abdallah; H. M. Emarah; **E. A. Kamel** and A. I. El-Nahas. *Analysis of Botany (UK)*. (2006).

- 33- Molecular genetic studies on canola crosses under Maryout conditions. Afiah, S. A.; Abdelsalam, A. Z. E.; **Kamel, E. A.**; Dowidar, A. E. and Ahmed, S. M. (2007). 8th African Crop Science Society Conference (October 27th - 31st, 2007).
- 34- Purification and Characterization of α -amylase from *Penicillium olsonii* under the Effect of Some Antioxidant Vitamins. A. F. Afifi; **E. A. Kamel**; A. A. Khalil; M. A. Foad; E. M. Fawzi and M. M. Houseny. Global Journal of Biotechnology and Biochemistry. 3(1): 14-21 (2008).
- 35- Computer-generated keys to the flora of Egypt. 2. The Chenopodiaceae. El-Gazzar, A.; Rabei, S. H.; Aboel Atta, A. I.; **Kamel, E. A.**; Loutfy, M. H. A. and Shalabi, L. F. *Taeckholmia* 28: 209-225 (2008).
- 36- The Effect of Some Antioxidant on Protein Banding Patterns and Nucleic Acids Content of Three Genera from Dematiaceous Fungi. A. F. Afifi; **Kamel, E. A.**; Khalil, A. A.; Foad, M. A.; Fawzi, E. M. and Houseny, M. M. Australian Journal of Basic and Applied Sciences. 3(2): 820-827 (2009).
- 37- Karyomorphological and morphometric studies of ploidy levels in some wheat (*Triticum aestivum* L.) genotypes. **Kamel, E. A.**; Arminian, A. and Houshamnd, S. Pakistan Journal of Scientific and Industrial Research. Pak. J. Sci. Ind. Res. 52(4): 200-207 (2009).
- 38- Chromosomal Studies in the Egyptian Flora. VII. Karyotype analysis of species in the two tribes Chicorieae and Cardueae of Asteraceae. Badr, A.; Hanaa H. El-Shazly and **Kamel, E. A.** Egypt. J. Bot. 49: 71-86 (2009).
- 39- Interspecific Variations in Chemical Content of Soil and Plant Tissue of Five *Bryum* Species (Musci). Ghanem, N. A. E.; **Kamel, E. A.**; El-Gamal, A. D. and Awad, M. A. The 26th Meeting of the Saudi Biological Society (10-12 May 2011), Al-Taif University – Saudi Arabia.
- 40- Biochemical and Molecular Genetic Studies on Some Cyanobacterial Isolates. **Kamel, E. A.**; Ebrahim, S. A.; Thabet, R. A. and El-Shal, E. M. R. Pakistan Journal of Scientific and Industrial Research. 54(3): 172-174 (2011).
- 41- SDS-PAGE of Seed Storage Protein and the Relationships within *Lactuca sativa* L. (Lettuce) Cultivars. **Kamel, E. A.** The Fifth Saudi Science Conference (16-18 April 2012) - (SSC5'2012) – Umm Al-Qura University – Saudi Arabia.
- 42- Protein Identification of Some Filamentous Fungi Isolates from Saudi Arabia Using Gel Electrophoresis. Al-Hazmi, N. A. and **Kamel, E. A.** The 27th Meeting of the Saudi Biological Society (6-8 March 2012), Jazan University – Saudi Arabia.
- 43- Ecosystem Impact on Fungal Identification Using Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis (SDS-PAGE) Technique. Al-Hazmi, N. A. and **Kamel, E. A.** African Journal of Microbiology Research. 6(14): 3492-3500 (2012).
- 44- Re-evaluation of the relationships within some Egyptian species of soil cyanobacteria. A. D. El-Gamal, **E. A. Kamel**, N. A. E. Ghanem and E. F. Shehata. ARPN Journal of Agricultural and Biological Science. 7(4): 266-272 (2012).

- 45- Effect of Metabolites of Some Rhizospheric Fungi on Mitotic Division, Nucleic Acids and Protein Banding Patterns of *Capsicum annum* L. Plant. **E. A. Kamel**, A. F. Afifi, E. M. Fawzy, A. A. E. Khalil, M. A. Foad and H. I. Abo El-Magd. The 28th Meeting of the Saudi Biological Society (9-11 April 2013), Hail University - Saudi Arabia.
- 46- Molecular Characterization of *Penicillium* Isolates Using RAPD Technique. **Ehab Abdel-Razik Kamel** and Mohamad El-Sayed Rashed. Annual Review & Research in Biology (ARRB) 7 (3): 186-199. (2015)
- 47- Cytotaxonomical investigations of the tribes Asclepiadeae and Ceropegieae of the subfamily Asclepiadoideae-Apocynaceae. **E. A. Kamel**, S. M. Sharawy and E. A. K. Karakish. Pakistan Journal of Botany. 46(4): 1351-1361. (2014)
- 48- Molecular Characterization of Some *Aspergillus* Isolates Collected from Saudi Arabia Based on DNA Fingerprint. N. A. Al-Hazmi and **E. A. Kamel**. The 28th Meeting of the Saudi Biological Society (9-11 April 2013), Hail University - Saudi Arabia.
- 49- Olive Plants (*Olea europaea* L.) as a Bioindicator for Pollution. A. M. Eliwa and **E. A. Kamel**. Pakistan Journal of Biological Sciences. 16(2): 551-557. (2013)
- 50- Detection of Biochemical and Molecular Differences between Some Fungi as a Response of Dettol Treatment. **E. A. Kamel** and N. A. Al-Hazmi. World Research Journal of Biotechnology (Accepted, 2013).
- 51- Characterization of *Aspergillus* Isolates from Saudi Arabia Based on Molecular Genetic Fingerprints. **E. A. Kamel**. Research Journal of Biology (RJB). 2: 84-98 (2014).
- 52- Electrophoretic Protein Banding Patterns among *Penicillium* Strains Isolated from Saudi Arabia. **E. A. Kamel** and M. E. Rashed. International Journal of Applied Sciences and Biotechnology (Int. J. Appl. Sci. Biotechnol.). 2(3): 283-290 (2014).
- 53- Systematic Revision on *Caralluma* Species of Saudi Arabia Based on Karyological and Molecular Data. S. M. Sharawy; **E. A. Kamel**, E. A. K. Karakish and M. H. A. Loutfy. 47(3): 937-950 (2015).
- 54- Karyological Studies on the Flora of Saudi Arabia: 1- *Caralluma* Species and Taxonomic Relationships. **Ehab Abdel-Razik Kamel** and Sherif Mohamed Sharawy. The 29th Meeting of the Saudi Biological Society (25-27 February 2014), Dammam University - Saudi Arabia.
- 55- Karyological Studies on the Flora of Saudi Arabia: 1- *Caralluma* Species and Taxonomic Relationships. **Ehab Abdel-Razik Kamel** and Sherif Mohamed Sharawy. Cytologia (In press 2014).
- 56- Cytotaxonomical Investigations of the tribes Asclepiadeae and Ceropegieae of the subfamily Asclepiadoideae-Apocynaceae. **Ehab Abdel-Razik Kamel**, Sherif Mohamed Sharawy and Eman Ahmed Kamel Karakish (2015). The 30th Meeting of the Saudi Biological Society (7-9 April, 2015), Tabuk University – Saudi Arabia.

57- Characterization and Identification of Seed Storage Protein of Twelve Lettuce Cultivars. Sameer Hasan Qari, **Ehab Abdel-Razik Kamel** and Hameda El Sayed. Biosciences Biotechnology Research ASIA (Biosci., Biotechnol. Res. Asia.), 13(4): 1959- 1967 (2016).

58- Karyotype Criteria of Some Taxa of Asteraceae (Compositae) from Saudi Arabia. Sameer H. Qari, **Ehab A. Kamel** and Khaled S. Ali. International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), 5(11): 2956-2966 (2016).