CURRICULUM VITAE
Khalaf Abdelhakiem, Ph.D
Professor of Mathematics
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- ## PERSONAL

Present Address: Mathematics Department, Faculty of Science, Assiut University, Assiut
 71516, EGYPT
Present Position: **Professor, Mathematics**
Mathematics Department, Faculty of Sciences,
Assiut University
Assiut, Egypt
Phone: 00201140691339

- ## EDUCATION

Doctor of Philosophy—Mathematics
 1989

Faculty of Sciences, Assiut University, Assiut, Egypt
Dissertation: *"Fuzzy Topology". PhD mentors: Dr. Abdulmonsef, A, and Dr. Abdullatif, M.*

Master of Science Degree – Topology, Mathematics
 1986

Faculty of Sciences, Assiut University Hospitals, Assiut, Egyp.

Bachelor of Science – Science/Mathematics
 1981

Faculty of Sciences, Assiut University Hospitals, Assiut, Egypt

- ## AWARDS/RECOGNITION

2011: **Award for Best Research in Mathematics from the Faculty of Science - Assiut University**

- ## PROFESSIONAL MEMBERSHIPS & CERTIFICATIONS

2001- present American Mathematics Society

- ## PROFESSIONAL EXPERIENCE

Faculty Position (Assiut University)
 2001- present *Full Professor of Mathematics, Assiut University, Assiut,*

Egypt
1996 - 2000   *Assistant Professor of Mathematics, Assiut University*
1991-1997   **Assistant Professor, College of Teachers, Abha, Saudi Arabia**
1989-1995   **Lecturer of Mathematics, Assiut University**

Administrative Position (Abha, KSA)

1993-1995 Department Head, College of Teachers, Abha, KSA

- ## **RESEARCH / SCHOLARLY ACTIVITIES**

Peer-Review Publications

- Khedr, Fathi H.; **Abdelhakiem, K. M.** Operations on bitopological spaces. *Fasc. Math.* No. 45 (2010), 47–57.

- Khedr, F. H.; **Abdelhakiem, K. M.** Generalized Λ-sets and λ-sets in bitopological spaces. *Int. Math. Forum* 4 (2009), no. 13-16, 705–715

- Zeyada, F. M.; **Abd El-Hakiem, K. M.** S-quasi L-proximity spaces. *J. Fuzzy Math.* 11 (2003), no. 2, 301–311.

- Khedr, F. H.; **Abd El-Hakiem, K. M.**; Zeyada, F. M.; Sayed, O. R. Fuzzifying proximity and strong fuzzifying uniformity. *Soochow J. Math.* 29 (2003), no. 1, 83–92.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M.; Sayed, O. R. Pre-separation axioms in fuzzifying topology. *Mohu Xitong yu Shuxue* 17 (2003), no. 1, 28–36.

- Khedr, F. H.; **Abd El-Hakiem, K. M.**; Zeyada, F. M.; Sayed, O. R. Fuzzifying proximity and strong fuzzifying uniformity. *J. Fuzzy Math.* 10 (2002), no. 1, 97–103.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M.; Abd Allah, M. A. Fuzzy completely weakly pre-irresolute functions. *Bull. Calcutta Math. Soc.* 93 (2001), no. 2, 121–128.

- **Abd El-Hakeim, K. M.** Fuzzy weak totally semicontinuous and fuzzy weak totally precontinuous mappings. *Fuzzy Sets and Systems* 119 (2001), no. 3, 505–512.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M.; Sayed, O. R. pre-continuity and $D(c,p)$-continuity in fuzzifying topology. *Fuzzy Sets and Systems* 119 (2001), no. 3, 459–471.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M. Some bifuzzy topologies induced by a

fuzzifying topology. I. Fundamental concepts. *J. Fuzzy Math.* 8 (2000), no. 4, 845–856.

- **Abd-El Hakeim, K. M.**; Zeyada, F. M.; Sayed, O. R. Two types of fuzzy semi-continuity and four types of fuzzy irresoluteness in fuzzifying topological spaces. *J. Egyptian Math. Soc.* 8 (2000), no. 1, 77–93.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M. Generalized continuity in fuzzifying topological spaces. *J. Fuzzy Math.* 8 (2000), no. 2, 517–524.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M. Fuzzy totally semi-R continuous functions. *J. Fuzzy Math.* 8 (2000), no. 2, 477–482

- **Abd El-Hakeim, K. M.**; Zeyada, F. M. Comments on some versions of intuitionistic fuzzy propositional calculus due to K. Atanassov and G. Gargov: "Elements of intuitionistic fuzzy logic. I" [Fuzzy Sets and Systems 95 (1998), no. 1, 39–52.

- **Abd El-Hakeim, K. M.** Generalized semi-continuous mappings in fuzzy topological spaces. *J. Fuzzy Math.* 7 (1999), no. 3, 577–589.

- **Abd El-Hakeim, K. M.**; Zeyada, F. M.; Sayed, O. R. β-continuity and $D(c,\beta)$-continuity in fuzzifying topology. *J. Fuzzy Math.* 7 (1999), no. 3, 547–558.

- **Abd El-Hakeim, K. M.** Fuzzy less strongly sets and fuzzy less strong semicontinuity in fuzzy bitopological spaces. *J. Fuzzy Math.* 7 (1999), no. 1, 187–202.

- **Abd El-Hakeim, K. M.** Some weakly forms of fuzzy continuous mappings in fuzzy bitopological spaces. *J. Fuzzy Math.* 5 (1997), no. 2, 455–469.

- **Abd El-Hakeim, K. M.** On sequentially closed graph mappings in fuzzy neighbourhood spaces. *Fuzzy Sets and Systems* 64 (1994), no. 1, 91–94.

- Mashhour, A. S.; **Abd El-Hakeim, K. M.** On semiregularization fuzzy topologies. *J. Fuzzy Math.* 2 (1994), no. 2, 271–280.

- **Abd El-Hakeim, K. M.** Some strong separation in fuzzy topological spaces. *Fuzzy Sets and Systems* 60 (1993), no. 2, 233–239.

- **Abd El-Hakeim, K. M.** Sequential compactness in fuzzy neighbourhood spaces. *Fuzzy Sets and Systems* 60 (1993), no. 2, 225–228.

- **Abd El-Hakeim, K. M.**; Allam, A. A. Mapping with sequential closed graph and sequential strong closed graph with respect to X and Y in fuzzy topological spaces. *J. Fuzzy Math.* 1 (1993), no. 4, 801–810.

- **Abd El-Hakeim, K. M.**; Ramadan, A. A. Operations on L-fuzzy topological spaces. *Fuzzy Sets and Systems* 53 (1993), no. 3, 347–357.

- Ganster, M. Every β-compact space is finite. A comment on: "On β-compact spaces" [Bull. Calcutta Math. Soc. 81 (1989), no. 2, 179–182; MR1008608 (90f:54005)] by A. A. Allam and **K. M. Abd El-Hakeim**. *Bull. Calcutta Math. Soc. 84 (1992), no. 3,* 287.

- Allam, A. A.; **Abd El-Hakeim, K. M.** Functions with closed graphs and strongly closed graphs in fuzzy neighbourhood spaces. *Fuzzy Sets and Systems* 48 (1992), no. 3, 377–382.

- Fath Alla, M. A.; **Abd El-Hakeim, K. M.** Mapping with fuzzy closed graphs and strongly fuzzy closed graphs. *J. Inst. Math. Comput. Sci. Math. Ser.* 4 (1991), no. 1, 61–67.

- Allam, A. A.; **Abd El-Hakeim, K. M.**; Morsi, Nehad N. On fuzzy neighbourhood spaces. *Fuzzy Sets and Systems* 41 (1991), no. 2, 201–212.

- Allam, A. A.; **Abd El-Hakeim, K. M.** On β-compact spaces. *Bull. Calcutta Math. Soc. 81 (1989), no. 2,* 179–182.

- Khedr, F. H.; Allam, A. A.; Abd El-Bakkey, S. A.; **Abd El-Hakeim, K. M.** Supra-identification spaces and supra-induced relations. *Bull. Calcutta Math. Soc. 81 (1989), no. 2,* 109–119.

- Allam, A. A.; Fath Alla, M. A.; **Abd El-Hakeim, K. M.** A note on semi compact spaces. *Bull. Calcutta Math. Soc.* 80 (1988), no. 5, 363–366.

- Mashhour, A. S.; Allam, A. A.; **Abd El-Hakeim, K. M.** On fuzzy semicompact spaces. *Bull. Fac. Sci. Assiut Univ. A* 16 (1987), no. 1, 277–285.

- Mashhour, A. S.; Allam, A. A.; Hasanein, I. A.; **Abd El-Hakeim, K. M.** On strongly compactness. *Bull. Calcutta Math. Soc.* 79 (1987), no. 4, 243–248.

- Mashhour, A. S.; Allam, A. A.; **Abd El-Hakeim, K. M.** Pairwise sup-R_0 and pairwise sup-R_1. Third topological symposium (Assiut, 1985). *Bull. Fac. Sci. Assiut Univ. A* 14 (1985), no. 2, 141–155 (1986).

- **Abd El-Hakeim, K. M.** Some strong separation in fuzzy topological spaces. (English summary) *Fuzzy Sets and Systems* 60 (1993), no. 2, 233–239.

- **Abd El-Hakeim, K. M.**; Ramadan, A. A. Operations on L-fuzzy topological spaces. (English summary) *Fuzzy Sets and Systems* 53 (1993), no. 3, 347–357.

- Allam, A. A.; **Abd El-Hakeim, K. M.** Functions with closed graphs and strongly closed graphs in fuzzy neighbourhood spaces. (English summary) *Fuzzy Sets and*

Fuzzy Sets and Systems 48 (1992), no. 3, 377–382.

- Fath Alla, M. A.; **Abd El-Hakeim, K. M.** Mapping with fuzzy closed graphs and strongly fuzzy closed graphs. *J. Inst. Math. Comput. Sci. Math. Ser.* 4 (1991), no. 1, 61–67.

- Allam, A. A.; **Abd El-Hakeim, K. M.**; Morsi, Nehad N. On fuzzy neighbourhood spaces.
Fuzzy Sets and Systems 41 (1991), no. 2, 201–212.

- Allam, A. A.; **Abd El-Hakeim, K. M.** On β-compact spaces. *Bull. Calcutta Math. Soc.* 81 (1989), no. 2, 179–182.

- Khedr, F. H.; Allam, A. A.; Abd El-Bakkey, S. A.; **Abd El-Hakeim, K. M.** Supra-identification spaces and supra-induced relations. *Bull. Calcutta Math. Soc.* 81 (1989), no. 2, 109–119.

- Allam, A. A.; Fath Alla, M. A.; **Abd El-Hakeim, K. M.** A note on semi compact spaces.
Bull. Calcutta Math. Soc. 80 (1988), no. 5, 363–366.

- Mashhour, A. S.; Allam, A. A.; **Abd El-Hakeim, K. M.** On fuzzy semicompact spaces. (Arabic summary) *Bull. Fac. Sci. Assiut Univ. A* 16 (1987), no. 1, 277–285.

Directing Research
- **2 Dissertation and 2 Theses**

- ## TEACHING

   Courses Taught:

   Calculus I
   Calculus II
   Topology
   Fuzzy Topology
   Geometry
   Algebra
   Sets & Logic
   Statistics I & II

- ## SERVICE

Journal Reviewer: *Fuzzy Sets & Systems*