# Asst. Prof. MOHAMED KHALED MOHAMED

# ISMAIL KHALIFA

## Personal Information

**Email:** mohamed.khalifa@medipol.edu.tr

**Web:** https://avesis.medipol.edu.tr/mohamed.khalifa

**International Researcher IDs**

ScholarID: yEU3tEoAAAAJ

ORCID: 0000-0001-7057-6353

Publons / Web Of Science ResearcherID: KCJ-8484-2024

ScopusID: 57190839711

Yoksis Researcher ID: 292713

## Education Information

Doctorate, Central European University, Department of Mathematics and Its Applications, Hungary 2012 - 2016

Postgraduate, Cairo University, Faculty of Science, Department of Mathematics, Egypt 2009 - 2011

Undergraduate, Cairo University, Faculty of Science, Department of Mathematics, Egypt 2004 - 2008

## Foreign Languages

English, C2 Mastery

## Dissertations

Doctorate, Gödel's incompleteness properties and the guarded fragment: An algebraic approach, Central European University, Department of Mathematics and Its Applications, 2016

## Research Areas

Mathematical Logic and Foundations

## Published journal articles indexed by SCI, SSCI, and AHCI

I. **On the networks of large embeddings**
ASLAN KHALİFA T., KHALIFA M. K. M. I., Székely G.
Algebra Universalis, vol.85, no.3, 2024 (SCI-Expanded)
II. **A Version of Predicate Logic with Two Variables That has an Incompleteness Property**
KHALIFA M. K. M. I.
Studia Logica, 2024 (SCI-Expanded)

III. **CONCEPTUAL DISTANCE and ALGEBRAS of CONCEPTS**
KHALIFA M. K. M. I., Székely G.
Review of Symbolic Logic, 2024 (SCI-Expanded)

IV. **DISTANCES between FORMAL THEORIES**
Khaled M. K. M. I., Székely G., Lefever K., Friend M.
Review of Symbolic Logic, vol.13, no.3, pp.633-654, 2020 (SCI-Expanded)

V. **Geometrical representation theorems for cylindric-type algebras**
Khaled M. K. M. I., Sayed Ahmed T.
Quaestiones Mathematicae, vol.43, no.1, pp.81-96, 2020 (SCI-Expanded)

VI. **Atoms in infinite dimensional free sequence-set algebras**
Khaled M. K. M. I., Németi I.
Algebra Universalis, vol.80, no.4, 2019 (SCI-Expanded)

VII. **The finitely axiomatizable complete theories of non-associative arrow frames**
Khaled M. K. M. I.
Advances in Mathematics, vol.346, pp.194-218, 2019 (SCI-Expanded)

VIII. **Stone type representation theorems via games**
ASLAN KHALİFA T., Khaled M. K. M. I.
Colloquium Mathematicum, vol.155, no.1, pp.141-155, 2019 (SCI-Expanded)

IX. **First order logic without equality on relativized semantics**
Banerjee A., Khaled M. K. M. I.
Annals of Pure and Applied Logic, vol.169, no.11, pp.1227-1242, 2018 (SCI-Expanded)

X. **The free non-commutative cylindric algebras are not atomic**
Khaled M. K. M. I.
Logic Journal of the IGPL, vol.25, no.5, pp.673-685, 2017 (SCI-Expanded)

XI. **General normal forms for any additive logic**
Khaled M. K. M. I.
Studia Scientiarum Mathematicarum Hungarica, vol.54, no.3, pp.394-409, 2017 (SCI-Expanded)

XII. **On complete representations of algebras of logic**
Khaled M. K. M. I., Sayed-Ahmed T.
Logic Journal of the IGPL, vol.17, no.3, pp.267-272, 2009 (SCI-Expanded)


## Articles Published in Other Journals

I. **Vaught's theorem holds for l2 but fails for ln when n > 2**
Khaled M. K. M. I., Ahmed T. S.
Bulletin of the Section of Logic, vol.39, no.3-4, pp.107-122, 2010 (Scopus)

II. **Vaught's theorem holds for l2 but fails for ln when n>2**
Khaled M. K. M. I., Ahmed T.
BULLETIN OF THE SECTION OF LOGIC, vol.39, pp.107-122, 2010 (Scopus)

III. **Classes of algebras that are not closed under completions**
Khaled M. K. M. I., Ahmed T. S.
Bulletin of the Section of Logic, vol.38, no.1-2, pp.29-43, 2009 (Scopus)


## Books & Book Chapters

I. **Algebras Of Concepts And Their Networks**
KHALIFA M. K. M. I., SZÉKELY G.
in: Progress in Intelligent Decision Science. IDS 2020. Advances in Intelligent Systems and Computing, Allahviranloo
Tofigh, Salahshour Soheil, Arica Nafiz, Editor, Springer, Cham, İstanbul, pp.611-622, 2021

## Metrics

Publication: 16
Citation (Scopus): 32
H-Index (Scopus): 4