CURRICULUM VITAE

Personal data

DR. K. PORSELVI
Assistant Professor
Department of Mathematics
Karunya Institute of Technology and Sciences
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Education

Ph.D (Mathematics)-Set theory
Karunya Institute of Technology and Sciences, Coimbatore, India.   2015
M.Phil (Mathematics)-Graph Theory
Aditananar College of Arts and Science, M.S. University, Tiruchendur, India.   2002
M.Sc (Mathematics)
Aditananar College of Arts and Science, M.S. University, Tiruchendur, India.   2001
B.Sc (Mathematics)
Govindammal Aditananar College for Women, M.S. University, Tiruchendur, India.   1999
P.G.D.C.A
Aditananar College of Arts and Science, M.S. University, Tiruchendur, India.   2001
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Additional Qualification:
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Tamil Nadu State Eligibility Test (**TNSET**) 2017, Mother Teresa Women's University, Kodaikanal.

Research focuses/Title of dissertation

Focuses: Discrete Mathematics, Zero divisor graph structures in algebraic system, uncertainty theory
Title of thesis: Semi ideal based zero divisor graph structures of posets

M.Sc Project guided – 1
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Teaching

Since Jan 2009   Assistant Professor, Department of Mathematics, Karunya University, Coimbatore-114
June 2004-Dec 2008   Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

Journal Publications: Scopus-13, SCIE-1

1.. Hybrid structures applied to ideals in near-rings, **Complex & Intelligent Systems** (2021) 7:1489–1498. (Impact Factor: 4.927). *IF.5.277*
2. Some properties of prime and z-semi-ideals in posets, **Khayyam J. Math.**, 2020, 6(1), pp. 46–56.
3. On hybrid interior ideals in semigroups, **Probl. Anal. Issues Anal.,** 2019, 8(3), pp. 137–146.
4 Properties of generalized semi-ideal-based zero-divisor graph of posets, **Buletinul Academiei de Stiinte a Republicii Moldova. Matematica**, 2018, 88(3), pp. 3–13.
5. Poset properties determined by the ideal - based zero divisor graph, **Kyungpook Math. J.** 54(2014),197-201.
6. An ideal based zero-divisor graph of posets, **Commun. Korean Math. Soc.** 28 (2013), No. 1, pp. 79–85.

Books published

1. Basic Engineering Mathematics,   A. Hepzibha christinal, R.Selvamani, K.Porselvi, **H.S.I Publication**, Mumbai, ISBN-818822315.

Awards and Honors:

1.   M.Phil - University **I rank (Gold medal)**
2.   M.Sc - University **X rank**
3.   B.Sc - University **IX rank**
4.   Plus 2 – **Centum** in two subjects (**Mathematics and Computer Science**)

Resource person:	Reviewer: **3**
Paper presentation: International-4, National-**3**	
Guest lecture delivered: **1**	