DEPARTMENT OF MATHEMATICS

SECAB INSTITUTE OF ENGINEERING & TECHNOLOGY, VIJAYAPUR-586109. KARNATAKA. INDIA.

Research Centre Details

Sl. No	Name of the Research Centre	Year of Establishment
1.	Research Centre for Mathematics	2018

PhD Registrations

Sl. No	Name of the Research Guide	Name of the Research Scholar	Year of Registration
1.	Dr. Shreekant Patil	--	--

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Faculty Research

1. Faculty Research Areas

Sl. No.	Faculty Name	Research Area
1.	Dr. Shreekant Patil	Graph Theory
2.	Mr. Mallikarjun Mathapati	Topology
3.	Mrs. Durga Priyadarsini	Fluid Mechanics

2. Ph. D. Registrations

Sl. No.	Faculty Name	Title of the Research Work	Research Centre	Year of Registration
1.	Mr. Mallikarjun Mathapati	Study on Recent Developments of some Topics and its properties in Topological Space	BLDEA's Dr. PG Halakatti College of Engineering & Technology, Vijaypur	2018-19
2.	Mrs. Durga Priyadarsini	Fluid Mechanics	BLDEA's Dr. PG Halakatti College of Engineering & Technology, Vijaypur	2018-19

3. Publications

Sl. No.	Author's Name	Paper Title	Journal Name with ISSN	Year and Month
1.	Basavanagoud, B., and Shreekant Patil	A note on hyper-Zagreb index of graph operations	Iranian Journal of Mathematical Chemistry, 1(7), (2016), 89-92.	2016
2.	Basavanagoud, B., and Shreekant Patil	Multiplicative Zagreb indices and coindics of some derived graphs	Opuscula Mathematica, 36(3), (2016), 287-299.	2016
3.	Basavanagoud, B., and Shreekant Patil,	A note on hyper-Zagreb coindex of graph operations	Journal of Applied Mathematics and Computing, 53 (2017) 647-655.	2017
4.	Basavanagoud, B., Veena R. Desai, and Shreekant Patil	(β, α) −Connectivity index of graphs	Applied Mathematics and Nonlinear Science, 2(1), (2017), 21-30.	2017
5.	Basavanagoud, B., and Shreekant Patil.	The hyper-Zagreb index of four operations on graphs	Mathematical Sciences letters, 6(2) (2017) 193-198.	2017
6.	Basavanagoud, B., and Shreekant Patil	On the block-edge transformation graphs G^{ab}	International Research Journal of Pure Algebra, 5(5), (2015), 75-80.	2015
7.	Basavanagoud, B., Shreekant Patil, and H. Y. Deng	On the second order first Zagreb Index	Iranian Journal of Mathematical Chemistry, 8(3) (2017) 299-311.	2017

8.	Basavanagoud, B., Veena R. Desai, and Shreekant Patil	Multiplicative Zagreb indices of generalized transformation graphs	Bulletin of the International Mathematical virtual Institute, 7, (2016), 173-179.	2016
9.	Basavanagoud, B., Wei Gao, Shreekant Patil, Veena R. Desai, Keerthi G. Mirajkar and Pooja B	Computing First Zagreb index and F-index of New C-products of Graphs	Applied Mathematics and Nonlinear Sciences, 2(1) (2017) 285–298.	2017
10.	Basavanagoud, B., and Shreekant Patil	Zagreb indices of block-edge transformation graphs and their complements	Indonesian Journal of Combinatorics, 1(2) (2017) 64-77.	2017
11.	Basavanagoud, B., Shreekant Patil, V. R. Desai, M. Tavakoli and A. R. Ashrafi	Neighbourly Irregular Derived Graphs	Iranian Journal of Mathematical Chemistry, 8(1), (2017), 53-60.	2017