

FACULTY PROFILE



Faculty Name:	Dr. A. Shanmuga Vadivu
Qualification:	M.Sc., M.Phil., Ph.D.
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Profile Description: (Summarize your Government's Institution experience)	Assistant Professor (On Contract), National Institute of Technology , Tiruchirappalli-24 . (9 Months)
Area of Expertise:	Graph Theory
Achievements (if any):	<ol style="list-style-type: none">1. 1st Rank holder in M.Sc.,2. Awarded DST-INSPIRE Fellowship3. Awarded DAE-NBHM Postdoctoral Fellowship4. Qualified TNSET
Publications (if any):	<ol style="list-style-type: none">1. V. Chitra, A. Shanmuga Vadivu and A. Muthusamy, C_{4p} - frames of Complete Multipartite Multigraphs, <i>Aequationes Mathematicae</i>, 85 (2013), 563-579. (SCIE, ISSN:1420-8903, Doi:10.1007/s00010-012-0167-5.)2. A. Muthusamy and A. Shanmuga Vadivu, Cycle frames of Complete Multipartite Multigraphs-III, <i>Journal of Combinatorial Designs</i>, 22 (2014), 473-487. (SCIE, ISSN: 1520-6610, Doi:10.1002/jcd.21373.)3. A. Shanmuga Vadivu and A. Muthusamy, Note on the Oberwolfach problem, <i>Electronic Notes in Discrete</i>

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4. A. Shanmuga Vadivu and A. Muthusamy, Cycle Frames and the Oberwolfach Problem , *AKCE International Journal of Graphs and Combinatorics*, 16 (2019), 83-95. (SCIE, ISSN:0972-8600, Doi:10.1016/j.akce.2018.06.008.)
5. A. Shanmuga Vadivu and A. Muthusamy, On the Oberwolfach Problem with Factors Containing Cycles of two or three Distinct Lengths, *Indian Journal of Discrete Mathematics*, 4 (2018) 47-65. (ISSN: 2455-5819)
6. A. Shanmuga Vadivu, L. Panneerselvam and A. Muthusamy, Solution to the outstanding case of the spouse-loving variant of the Oberwolfach problem with uniform cycle length, *Journal of Combinatorial Designs*, 29 (2020), 114-124. (SCIE, ISSN: 1520-6610, Doi:10.1002/jcd.21759.)
7. M. Ilayaraja, A. Shanmuga Vadivu and A. Muthusamy, Uniformly Resolvable Decomposition of λK_n into 1-factors and P_k -factors, *Bulletin of the ICA*, 93 (2021), 126-142 (ISSN: 1183-1278)
8. A. Shanmuga Vadivu and A. Muthusamy, Uniformly Resolvable $\{P_4, C_k\}$ -Decomposition of K_n - A Complete Solution, accepted for publication in *Contributions to Discrete Mathematics*. (ISSN: 1715-0868)