

## **RESEARCH ACTIVITIES**

**Number of papers presented by the staff at the National level / International level**

**National level - 18**

**International level-27**

### **DR.EZHILARASI HILDA STANLEY**

1. Presented a paper titled **“Butterfly Graphs with Shell orders  $m$  and  $2m+1$  are graceful”**, in the “National Conference on Applications of Mathematics and Computer Science”, February 2012, S.D.N.B. Vaishnav College, Chennai.

2. Presented a paper titled **“All Uniform Bow graphs are graceful”**, in the “International Conference on Mathematics in Engineering and Business Management (ICMEB)”, March 2012,

3. Presented a paper titled **“Double shells with two pendant edges at the apex are  $k$ -graceful”**, in the International Conference on Mathematics in Engineering and Business Management (ICMEB), March 2012.

4. Presented a paper titled **“Graceful Labeling of Bow graphs and shell flower graphs”**, Fr.Racine International Mathematics Congress, July 2012.

5. Presented a paper titled **“Shell Butterfly Graphs are Almost Graceful”** in the **National Conference in Pure and Applied Mathematics, April 2013, VIT University, Chennai.**

6. Presented a paper titled **“Shell Butterfly Graphs are Graceful”**, in the International Conference on Mathematical Computer Engineering, (ICMCE), **November 2013, VIT University.**

7. Presented a paper titled **“ $p^*$ -labeling of paths and Shell butterfly graphs”**, in the International Conference on Mathematical Computer Engineering (ICMCE), **November 2013, VIT University.**

8. Presented a paper titled **“Sub divided uniform shell bow graphs and subdivided shell**

**graphs are odd graceful**”, in the International Conference on applications of Mathematics in Modern Technology, March 2014, QMC.

9. Presented a paper titled“**Labelings On SSG(3)**”in the International Workshop on parallel Computing, December 2014, VIT University, Chennai.

10. Presented a paper titled, “**The disjoint union of two subdivided shell graphs is k-graceful**”, in the International Workshop on parallel Computing, December 2014, VIT University, Chennai.

11. Presented a paper titled, “**Variation of Graceful Labeling on Disjoint Union of two Subdivided Shell Graphs**”,in the International Conference on Mathematics And Stochastic Analysis, December 2014, DG Vaishnav College, Chennai.

12. Presented a paper titled“**Shell Butterfly graphs are harmonius**”, in the National Symposium on Mathematics and Computer Applications, 2014, WCC, Chennai.

13. Presented a paper titled“**Sub divided uniform shell bow graphs have  $\rho^*$  labeling**”, in the National Symposium on Mathematics and Computer Applications, 2014, WCC, Chennai.

14. Presented a paper titled“**Uniform shell bow graphs are edge odd Graceful**”,in the **National Conference in Pure Applied Mathematics, April 2014, VIT University,Chennai.**

15. Presented a paper titled“ **$\rho^*$  valuation on subdivided shell Graphs**”, in theNational Conference on Mathematics and Computer Applications, January 2015, WCC, Chennai.

16. Presented a paper titled“**All subdivided shell flower graphs are cordial**”, in the National Conference on Mathematics and Computer Applications, January 2015, WCC, Chennai.

17. Presented a paper titled“**Shell butterfly graphs are edge odd Graceful**”, in the InternationalConference on Mathematical Computer Engineering(ICMCE), December 2015, VIT University.

18. Presented paper titled "**The graph  $SSG(2)$  is odd Graceful**", in the International Conference on Mathematical Computer Engineering (ICMCE), December 2015.
19. Presented paper titled "**Subdivided uniform shell bow graphs have prime and vertex primelabelings**", in the International Conference on viable synergies in Mathematical and Natural Sciences, January 2016.
20. Presented paper title "**Shell flower graphs are felicitous**", ICMCE-2017, November 2017, VIT University, Chennai.
21. Presented paper titled "**Disjoint union of subdivided shell graphs  $-\rho$  labeling**", NCETM 2017, December 2017, Ethiraj College for Women.
22. Presented a paper titled "**Subdivided shell flower graphs -  $\rho$  labeling**", NCMCA -2018, January 2018, Women's Christian College.

**DR. CHITRA SUSEENDRAN**

1. Presented a paper titled "**Secure Restrained Domination in Graphs**", in the International Conference on Mathematical and Computer Engineering, November 2013, Vellore Institute of Technology, Chennai Campus.
2. Presented a paper titled "**A Note on Secure Restrained Domination Number**" in the National Symposium on Mathematics and Computer Applications, February 2014 in Women's Christian College, Chennai.
3. Presented a paper titled "**Equality of Vertex Covering Number and Secure Vertex Covering Number of Graphs**", in the International Conference on Theoretical Computer

Science and Discrete Mathematics, December 2014, SSN College of Engineering, Chennai.

4. Presented a paper titled “**Secure Domination in Middle Graphs**”, in the International Workshop on Parallel Computing, December 2014, Vellore Institute of Technology, Chennai Campus.

5. Presented a paper titled “**m-Secure Vertex Cover of a Graph**”, in the International Conference on Theoretical Computer Science and Discrete Mathematics, December 2016, Kalasalingam University, Krishnankoil, Madurai.

6. Presented a paper titled “**Secure domination in Cayley graphs on  $Z_n$** ” in the International Conference on Mathematical and Computer Engineering, November 2017, Vellore Institute of Technology, Chennai Campus.

#### **MS. S. P. VIJAYALAKSHMI**

1. Presented a paper titled “**On certain classes of Analytic and Univalent Functions Based on Al-Oboudi Operator**” in the National Conference On Applications of Mathematics and Computer Science, Feb-2012, S.D.N.B. Vaishnav College for Women, Chromepet, Chennai .

2. Presented a paper titled “**On a Certain Subclasses of Analytic Functions Based on Al-Oboudi Operator**” in National Conference on Recent Trends in Advanced Mathematics-

Dec-2012, Eswari Engineering college, Chennai.

3. Presented a paper titled “ **$H_3(1)$  for a subclass of analytic Univalent Functions**” in the International conference on Mathematics-a Global Scenario -January -2013, D.G. Vaishnav College, Chennai.

4. Presented a paper titled “**Coefficient Estimates for Bi-univalent Sakaguchi Type functions**” International conference on "Mathematics and Statistics Gateway to modern Technology", July 2014, Sri KanyakaParameswari Arts and Science College for Women, Chennai.

5. Presented a paper titled “**Upper Bound of Second Hankel Determinant for a class of a generalized Sakaguchi Class of Analytic functions**” in the International Conference on Mathematical Computer Engineering, December - 2015, VIT, Chennai.

#### **MS. K.R. BINDHU**

1. Presented a paper titled “**A study on homogeneous and heterogeneous Markov Processes**”, in the “National conference on Emerging Trends in Mathematics”, Dec-2017, Ethiraj College for Women, Chennai.

#### **MS. J. REGALA JEBALILY**

1. Presented a paper titled “**Fixed Point Theorems in Generalized Intuitionistic Fuzzy Metric Spaces and its Applications**”, in the “International Conference on Mathematical Computer Engineering”, Nov-2018, VIT University, Chennai.

2. Presented a paper titled “**Fixed point theorems in generalised fuzzy cone metric spaces**”, in the “International Conference on Computing Sciences”, Dec-2018, Loyola College, Chennai.
3. Presented a paper titled “**A note on fuzzy weakly-  $\alpha$ -multi function**” in the “National Conference on Pure and Applied Mathematics”, March - 2019, Ramanujan Institute for Advanced study in Mathematics.
4. Presented a paper titled “**Nano semi  $c^*$  - generalized closure in Nano Topological Space**” in the National Conference on Mathematics and Computer Applications, January – 2020, Women’s Christian College, Chennai.

#### **MS. A. ROBINA TONY**

1. Presented a paper titled “**Triple Connected Line Domination Number of a Graph**” in the International Conference on Algebra and Discrete Mathematics, January 2018, Madurai Kamaraj University, Madurai.
2. Presented a paper titled “**Triple Connected Line Domination Number for Some Standard Graphs**” in the International Conference on Applications of Mathematics, January 2018, St. Mary’s College (Autonomous), Thoothukudi.
3. Presented a paper titled “**Triple Connected Line Domination Number for Some Standard and Special Graphs**” in the International Conference on Applied Science, Engineering and Technology, April 2018, SCAD Engineering College, Cheranmahadevi.
4. Presented a paper titled “**A study on Restrained Triple Connected Two Domination Number of a Graphs**” International Conference on Recent Trends in Multi-Disciplinary Research, December 2018, A.P.C. Mahalaxmi College for Women, Thoothukudi.

5. Presented a paper titled “**Extended Results on Restrained Triple Connected Two Domination Number of a Graph**” in the Instructional School on Emerging Trends in Recent and Advanced Mathematics sponsored by NBHM, February 2019, St. Mary’s College (Autonomous), Thoothukudi.

6. Presented a paper titled “**Equitable Triple Connected Two Domination Number of a Graph**” in the National Conference on Mathematics and Computer Applications, January – 2020, Women’s Christian College, Chennai.