



NAME : Dr. M. KAROLIN
DESIGNATION: Teaching Assistant

Patents Filed

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D	Alagappa University, Karaikudi	Nov 2022	Computer Science	First Class
M.Phil	Alagappa University, Karaikudi	April 2015	Computer Science	First class with distinction 83%
M.Sc	Alagappa University, Karaikudi	April 2014	Computer Science	First class 75%

Areas of Research

- **Cryptography, Image Security**
- **Authentic Secret Image Sharing Scheme in Color Visual Cryptography**

Publications

International	Others
Journals	Books/Chapters/Monographs/Manuals
<p>Visual Cryptography Secret Share Creation Techniques with Multiple Image Encryption and Decryption using Elliptic Curve Cryptography “IETE Journal of Research” (SCI) (Scopus Indexed) -2022.</p> <p>Authentic Secret Share Creation Techniques using Visual Cryptography with Public Key Encryption-International Journal of Multimedia Tools and Applications (SCI) (Scopus Indexed) 2021.</p> <p>Image Encryption and Decryption using RSA Algorithm with Share Creation Techniques, International Journal of Engineering and Advanced Technology- (Scopus)2019.</p> <p>Secret Multiple Share Creation with Color Images using Visual Cryptography-International Conference On Communication and Signal Processing (IEEE) (Scopus Indexed) 2019.</p> <p>Encryption and Decryption of Color Images using Visual Cryptography International Journal of Pure and Applied Mathematics-2018.</p>	<p>Visual Secret Share Creation with Gray scale Image Converted to RGB Images using Zigzag Scanning Algorithm Algorithm for Intelligent Systems Springer, 2022.</p> <p>A Novel Secret Share Creation Techniques using Multiple Image Encryption and Decryption Recent Advances in Science and Technology Research, Book Publisher International, 2020</p>

Cumulative Impact Factor(as per JCR) : :
h-index : 5
i10 index : 2
Total Citations : 56

Number of Seminars /Conferences /Workshops/ Events organized:

Position	Programme	Duration	Institution
Presented	International Conference	May-2021	National Institute of Technology, Kurukshetra, India and Soft Computing Research Society
Presented	International Conference	October- 2019	Alagappa University Karaikudi
Presented	International Conference	April- 2019	Aathi parasakthi Engineering College Melmaruvathur, Chennai
Presented	International Conference	January -2018	Kalasalingam Academy of Research and Education, Krishnankoil
Presented	National Conference	January -2018	Dept of Computer science Alagappa University, Karaikudi.
Presented	National Conference	March-2017	Dept of Computer science Alagappa University, Karaikudi.

Number of Conferences/Seminars/Workshops:

International Conference : 5
 National Conference : 2
 Work Shop : 7

List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	M.Karolin and Dr.T. Meyyappan “Visual Cryptography Secret Share Creation Techniques with Multiple Image Encryption and Decryption using Elliptic Curve Cryptography” IETE Journal of Research (SCI) (Scopus Indexed) 2022.	1.6
2.	M.Karolin and Dr.T. Meyyappan “Authentic Secret Share Creation Techniques using Visual Cryptography with Public Key Encryption” International Journal of Multimedia Tools and Applications (SCI) (Scopus Indexed) 2021.	2.57
3.	M.Karolin and Dr.T.Meyyappan “Image Encryption and Decryption using RSA Algorithm with Share Creation Techniques”, International Journal of Engineering and Advanced Technology - 2019.	5.97
4.	M.Karolin and Dr.T.Meyyappan “Encryption and Decryption of Color Images using Visual Cryptography” International Journal of Pure and Applied Mathematics) 2018.	7.19

Date : 10-04-2024

Place : Karaikudi