

DR.S.MARIA CELESTIN VIGILA

PUBLICATIONS:

1. Mancy L and **Maria Celestin Vigila,S**, “Protection of Encrypted Medical Image using Consent based Access Control”,International Journal of Medical Engineering and Informatics, 2020. Inderscience Publishers – ACM Digital and Scopus indexed.
2. Saira Varghese and **Maria Celestin Vigila, S.**, “A Novel Method for Mapping Plaintext Characters to Elliptic Curve Affine points over Prime Field and Pseudorandom Number Generation”, International Journal of Computer Information Systems and Industrial Management Applications, Vol. 12, 2020, ISSN 2150-7988.
3. Joneston Dhas J.L. and **Maria Celestin Vigila, S.**, “Protecting Big Data in Public Cloud by Enhanced RBAC”, Indian Journal of Computer Science and Engineering, Vol.11,No.2,2020.ISSN:0976-5166,DOI: 10.21817/indjcse/2020/v11i2/201102118.
4. Briso Becky Bell J. and **Maria Celestin Vigila, S.**, “Gene Expression Analysis to Mine Highly Relevant Gene Data in Chronic Diseases and Annotating its GO Terms”, EAI Endorsed Transactions on Energy Web, 2020. DOI: 10.4108/eai.13-7-2018.164821.
5. Mancy L and **Maria Celestin Vigila, S.**, “Medical Image Protection using Diffusion,Substitution and Reversible Data Hiding based on Prediction”, International Journal of Security and Networks, Vol. 14, No. 4,pp.238 – 249, 2019. Inderscience Publishers – ACM Digital and Scopus indexed – Impact Factor: 1.764 – ISSN: 1747-8413 –DOI: [10.1504/IJSN.2019.103167](https://doi.org/10.1504/IJSN.2019.103167).
6. Joneston Dhas J.L., **Maria Celestin Vigila, S.** and Ezhil Star C., “A Review on Privacy Preserving Big Data Process”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, 07-Special Issue, pp.1062-1074,2019. Scopus Indexed, Impact Factor: 0.2 – ISSN: 1943-023X.
7. Briso Becky Bell J. and **Maria Celestin Vigila, S.**, “Gene Selection Approaches for Classifying Disease Relevant Data Sample”, International Journal of Engineering and Technology, Vol. 7, No. 3.27, pp. 62-69, 2018. Scopus indexed – ISSN: 2227-524X– DOI: [10.14419/ijet.v7i3.27.17655](https://doi.org/10.14419/ijet.v7i3.27.17655).
8. Mancy L and **Maria Celestin Vigila, S.**, “A new diffusion and substitution based cryptosystem for securing medical image applications”, International Journal of Electronic Security and Digital Forensics, Vol. 10, No. 4, pp. 388 - 400, 2018. Inderscience Publishers - ACM Digital and Scopus indexed – Impact Factor: 0.824– ISSN: 1751-9128 – DOI: [10.1504/IJESDF.2018.095140](https://doi.org/10.1504/IJESDF.2018.095140).

9. Vineetha Venugopal and **Maria Celestin Vigila S.**, “Implementing Big Data Privacy with MapReduce for Multidimensional Sensitive Data”, International Journal of Applied Engineering Research, Vol. 13, No.15, pp. 11824-11829, 2018. ISSN No. 0973-4562.
10. Sobin Soniya, S. and **Maria Celestin Vigila, S.**, “Improving the Efficiency of Classifiers for Detecting Intrusion using Rough Set Theory”, Journal of Advancement in Software Engineering and Testing, Vol.1 No.1, pp.1-14, 2018.
11. Princy Alexander, Praseetha P.K and **Maria Celestin Vigila S.**, “Cytotoxicity, Genotoxicity and Cell Adhesion Study of Electrospun Silk/Surface Modified Nanosilica Composite for Bone Regeneration Applications, [International Journal of Pharma and Bio Sciences](#), Vol. 8, No.3, pp.366-372, 2017. ISSN: 0975-6299 DOI: [10.22376/ijpbs.2017.8.3](#).
12. Joneston Dhas J.L., **Maria Celestin Vigila, S.** and Ezhil Star C., “A Framework on Security and Privacy-Preserving for Storage of Health Information Using Big Data”, International Journal of Control Theory and Applications, Vol.10, No.3, pp. 91-100, 2017. ISSN No. 0974-5572.
13. Sammy F. and **Maria Celestin Vigila, S.**, “A Survey on CIA Triad for Cloud Storage Services”, International Journal of Control Theory and Applications, Vol.9, No.14, pp.6701-6709, 2016. ISSN No. 0974-5572 – Scopus indexed.
14. Arya Sreedhar and **Maria Celestin Vigila, S.** “Botnet Detection using Flow Clustering and Conversation” Journal of Emerging Technologies, Vol.10, pp.176-179, 2015. ISSN No.0973-2993.
15. **Maria Celestin Vigila, S.**, Muneeswaran, K. and Berkin Albert Antony, W. “Biometric Security System over finite field for Mobile Applications”, IET Information Security, Vol. 9, No.2, pp.119 – 126, 2015. IET Publishers – SCI and Scopus indexed – Impact Factor: 0.892 ISSN: 1751-8717 DOI: [10.1049/iet-ifs.2013.0286](#).
16. **Maria Celestin Vigila, S.** and Muneeswaran, K. “Hiding of Confidential Data in Spatial Domain Images using Image Interpolation”, International Journal of Network Security, Vol. 17, No. 6, pp. 722-727, 2015. DBLP and Scopus indexed – Impact Factor: 1.3921. ISSN: 1816-3548.