

**Department of Science & Humanities**  
**Journal Publications 2015-2023**

S.No.	Name of the Author	Title of Paper Published	Name of the Journal	Volume, Pages & Year
1	D.Veeravanitha, <b>D.Sumitha</b> , M.Nila	Impact of Burst Priority, Collisions, Feedback and Buffer Search in OBS Networks	International Journal of Research and Analytical Reviews (IJRAR)	Volume 9, Issue 2, April 2022, Pg. 179 -185, ISSN:P 2349-5138; E 2348-1269
2	M.Nila, <b>D.Sumitha</b>	Two Phase Retrial Queue with Starting Failures, Customer Impatience, Feedback and Bernoulli Vacation	Advances and Applications in Mathematical Sciences (AAMS)	Volume 21, Issue 4, February 2022. Pg. 1773-1786, ISSN: 0974-6803
3	S. Muthamizhselvi <b>V.M.Vijayalakshmi</b>	Bipolar Fuzzy S – Hausdorff Spaces	Indian Journal of Natural Sciences	Vol.12 (70) pp.38416-38422 2022, ISSN: 0976 - 0997
4	D. Bhavani Gokila <b>V.M.Vijayalakshmi</b>	Interval Valued Fuzzy S – Hausdorff Spaces	Indian Journal of Natural Sciences	Vol.12 (70) pp.37832-37839 2022 , ISSN: 0976 - 0997
5	D. Bhavani Gokila <b>V.M.Vijayalakshmi</b>	Interval Valued Fuzzy Gradation of Openness	Indian Journal of Natural Sciences	Vol.12 (70) pp. 38174-38183, 2022 ISSN: 0976 - 0997
6	J.Nirmala <b>Dr.J.Srikiruthika</b>	Fuzzy Supra Soft pre-open sets	YMER,	Vol. 21 pp. 741, 2022, ISSN: 0044-0477
7	<b>A.Banu</b>	Effect of doping nickel/cobalt ions on the structural and photocatalytic efficiency of magnesium manganese oxide materials for the environmental applications	J Mater Sci: Mater Electron	Vol. 33 pp. 7134-713 2022, ISSN: 0957-4522
8	M.Nila, <b>D.Sumitha</b>	A Feedback $M^X/G/1$ Retrial Queue with Impatient Customers, Active Breakdown and Orbital Search	Advances in Mathematics: Scientific Journal (AMSJ)	Volume 10, Issue 3, March 2021, Pg. 1397-1405, ISSN:P 1857- 8365; E 1857-8438
9	S. Muthamizhselvi <b>V.M.Vijayalakshmi</b>	Bipolar Fuzzy W – Hausdorff Spaces	Advances and Applications in Mathematical Sciences	Vol.12 (2) pp. 819-830 , 2021, ISSN 0974-6803
10	D. Bhavani Gokila <b>V.M.Vijayalakshmi</b>	Interval Valued Fuzzy W – Hausdorff Spaces	Advances and Applications in Mathematical Sciences	Vol.12 (2) Pages 793-804 , 2021, ISSN 0974-6803
11	<b>R.Vini</b> S.C.Murugavel	Studies on Thermal and Photoisomerization Properties of Polyesters Possessing Azomethine Moieties in the Back Bone	EAI	DOI: 10.4108/eai.7-12-2021.2314646, ISSN: 2414-1399 (Online) - 2021

12	M.Nila, <b>D.Sumitha</b>	Analysis of Repairable Batch Arrival Queueing System with Second Multi Optional Service, Orbital Search, Priority and Feedback Customers	International Journal of Advanced Science and Technology (IJAST)	Volume 29, NO. 9s, May 2020, Pg. 2873-2882, ISSN: 2005-4238
13	M.Nila, <b>D.Sumitha</b>	M <sup>x</sup> /G/1 Retrieval Queueing Model with Pre-emptive Resume Priority, Multi optional Second Phase, Feedback and Orbital Search	International Journal of Scientific and Technology Research (IJSTR)	Volume 9, Issue 2, February 2020, pg. 521-524, ISSN: 2277-8616
14	<b>R.Vini</b> S.C.Murugavel	Photoisomerization and Thermal Degradation Kinetics of Poly(ether –ester)s Containing Azomethine moiety in the main chain.	High Performance Polymers	Vol.32, pp. 47, 2020 ISSN: 0954-0083
15	M.Nila, <b>D.Sumitha</b>	Batch Arrival Retrieval Queueing Model with Starting Failures, Customer Impatience, Multi Optional Second Phase and Orbital Search	International Journal of Engineering Research and Technology (IJERT)	Volume 8, Issue 9, September 2019, pg. 831-835, ISSN: 2278-0181
16	D.Veeravanitha , M.Sabarigiriraj, <b>D.Sumitha</b>	Analysis of OBS Networks with Impatient Bursts and Server Breakdown	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	Volume 54, Issue 3, June 2019, pg. 226-233, ISSN: 2320-6608
17	<b>R.Vini</b> S.C.Murugavel	Synthesis, characterization and thermal degradation kinetics of azomethine-based halogen free flame retardant polyphosphonates.	High Performance Polymers	Vol.31 pp. 86, 2019 ISSN 0954-0083 online ISSN1361-6412
18	<b>R.Vini</b> , S.Thenmozhi, S.C.Murugavel.	Synthesis, characterization and thermal degradation kinetics of azomethine-based halogen-free flame retardant polyphosphonates.	High Performance Polymers	Vol 31 pp.86, 2019 ISSN 0954-0083
19	<b>A.Banu</b>	Preparation, characterization and comparative electrochemical studies of MgM <sub>x</sub> Mn <sub>2-x</sub> O <sub>4</sub> (x=0, 0.5; M= Ni/Co)	Ceramics International	Vol. 45, pp. 13072-13085 2019, ISSN: 0272-8842
20	D. Siva Kumar K. PremNazeer M. Mohamed Rafi <b>A. AyishaBegam</b>	Structural Characterization and Dielectric Studies of Superparamagnetic Iron Oxide Nanoparticles.	Journal of the Korean Ceramic Society	Vol. 55, No. 3 pp. 230~238 2018, ISSN 12297801
21	D. Siva Kumar M. Mohamed Rafi K. PremNazeer <b>A. AyishaBegam</b>	Structural and dielectric properties of superparamagnetic iron oxide nanoparticles (SPIONs) stabilized by sugar solutions	Materials Science - Polland	Vol.36 (1) pp.123 -133 2018

22	<b>V.M.Vijayalakshmi</b> A.Kalaichelvi	Fuzzy Soft Proximity Structures – I	Global Journal of Pure and Applied Mathematics	Vol.14pp.3572018 ISSN 0973-9750
23	<b>V.M.Vijayalakshmi</b> A.Kalaichelvi	Fuzzy Soft K - Hausdorff Spaces	International Journal of Pure and Applied Mathematics	Vol.119 pp.7202018 ISSN 1314-3395
24	<b>J.Srikiruthika</b> A.Kalaichelvi	Fuzzy Supra Regular open sets	International Journal of Pure and Applied Mathematics	Vol.119 pp.7232018 ISSN 1314-3395
25	<b>J.Srikiruthika</b> A.Kalaichelvi	Fuzzy Supra b-open sets	International Journal of Applied Engineering Research (IJAER)	Vol.13 pp.5788 2018 ISSN0973 -4562
26	<b>J.Srikiruthika</b> A.Kalaichelvi	Fuzzy Supra pre-open sets	Global Journal of Pure and Applied Mathematics (GJPAM)	Vol.14 pp.57 2018 ISSN 0973 -1768
27	<b>R.PappaAmmal,</b> A.Pushpa C.Nivedha	A study on thrombolytic potential of Moringa pterygospermagaertn	Asian Journal of Multidimensional Research	Vol.7 pp.515 2018 ISSN 2278-4853
28	A.Vijayalakshmi <b>T.Mekala</b>	Women Empowerment in GloriaNaylor’s novel “The Women of Brewster Place”	Quest Journals - Journal of Research in Humanities and Social Science	Vol.6 pp.47 2018 ISSN (Online):2321-9467
29	<b>S.Malarvizhi</b> R.Shyamala	Influence of Bacillus pumilus on the Corrosion of Mild Steel in Biodiesel	International Journal of latest Trends in Engineering and Technology.	Vol.8 (3) pp.283 2017 ISSN :2278-621X
30	D. Siva Kumar M. Mohamed Rafi K. PremNazeer <b>A. AyishaBegam</b>	Synthesis and characterization of superparamagnetic Iron Oxide nanoparticles (SPIONs) stabilized by Glucose, Fructose and Sucrose	International Journal of Nano Dimensions	Vol.8(3) (2017) 257-264
31	D.Veeravanitha , M.Sabarigiriraj, <b>D.Sumitha</b>	Performance Evaluation of Priority based OBS Networks with Negative Arrivals	International Journal of Applied Mathematics & Information Sciences	Volume 11(6), 2017, pg. 1649–1654
32	<b>D.Sumitha,</b> K.Udayachandrika	Batch arrival retrial queue with delay time and additional multi-optional repair	International Journal of Advanced Computer Research (IJACR)	Volume 7(28), January 2017, pg. 32 – 41, ISSN: 2277-7970
33	<b>V.M.Vijayalakshmi</b> A.Kalaichelvi	Fuzzy Soft Gradation of Openness	International Journal of Engineering Sciences and Research Technology	Vol.6, Issue 4 pp.209-214 2017 ISSN 2277-9655
34	D.Sasikala, <b>V.M.Vijayalakshmi</b> A.Kalaichelvi	W - Hausdorffness in Soft Bitopological Spaces	International Journal of Mathematics Trends and Technology	Vol.43, Issue 3 pp.52-55 2017 ISSN 2231-5373
35	P.Sruthi, <b>V.M.Vijayalakshmi,</b> A.Kalaichelvi	Soft W-Hausdorff Spaces	International Journal of Mathematics Trends and Technology	Vol.43, Issue 1, pp. 16-19 2017 ISSN 2231-5373

36	<b>V.M.Vijayalakshmi</b> A.Kalaichelvi	Fuzzy soft W-Hausdorff Spaces	International Journal of Mathematics Trends and Technology	Vol.41, Issue 5, pp. 27-31 Jan 2017 ISSN2231-5373
37	<b>J.Srikiruthika</b> A.Kalaichelvi	Fuzzy Supra $\alpha$ -open sets	International Journal of Mathematics Trends and Technology(IJMTT)	Vol.41 pp.413 2017 ISSN : 2231-5373
38	<b>T.Mekala</b> C.Divya	Motivate Esl Students' Intrinsic Skill InThe Esl Classrooms	International Journal of English and Education ISSN 2278-4012	Vol 6 pp.165 2017
39	<b>T.Mekala</b> C.Vennila	Role of Language Lab in ESL classrooms	Shanlax International Journal of Arts Science & Humanities	Vol.5 pp.185 2017 ISSN2321-788X
40	<b>R.Vini</b> S.C.Murugavel.	Synthesis, Photoisomerization properties and Thermal Degradation Kinetics of Polyesters Containing Azomethine moiety in the main chain.	Journal of Polymer Materials	Vol.34 pp.783 2017 ISSN 0973-8622
41	<b>S.Malarvizhi</b> R.Shyamala	Microbiologically Influenced Corrosion of Carbon Steel Exposed to Biodiesel	International Journal of Corrosion	Vol.2016 Pages.4 2016 ISSN :1687-9333
42	<b>T.Poongodi</b> and Dr.(Mrs.) S.Muthulakshmi	Control chart for Mean Waiting time of M/M/s Queueing model	Research Highlights, Journal of ADU	Vol.26, No. 3 pp: 110-114 2016 ISSN: 2231-2374
43	A.Yamuni, <b>D.Sumitha</b> , K.Udayachandrika	Bulk Arrival Retrial Queue with Fluctuating Modes of Service, Immediate Feedback and Server Vacation	Global Journal of Engineering Science and Researches (GJESR)	Volume 3, Issue 9, September 2016, pg. 29 – 42, ISSN:2348-8034
44	<b>D.Sumitha</b> , K.Udayachandrika	Retrial Queue with Impatient Customers, Multi-Optional Second Phase, Bernoulli Vacation and Orbital Search	International Journal of Innovations in Engineering and Technology (IJJET)	Volume 7, Issue 2, August 2016, pg. 299 – 309, ISSN: 2319-1058
45	<b>Rani.S</b> J.Shanthi Kashif M Ayeshamariam A Jayachandran M	Studies on Different Doped Zn Concentrations of CdSe Thin Films	Journal of Powder Metallurgy & Mining	2016, vol-5 Issue -1 &1-7 ISSN: 2168-9806
46	D. Siva Kumar M. Mohamed Rafi K. PremNazeer <b>A. Ayisha Begam</b>	Stabilization of Superparamagnetic Iron Oxide Nanoparticles by Polysaccharides: Preparation, Characterization and Magnetic Studies	International Journal of Science and Humanities	Vol.1(2) pp.829-838. 2015 ISSN 2394 9236
47	M. Mohamed Rafi K. PremNazeer D. Siva Kumar <b>A. Ayisha Begam</b>	Optical and Structural Characteristics of Hematite Nanoparticles Prepared by Thermal Decomposition Process via Polysaccharide Template	International Journal of Science and Humanities	Vol.1(1) pp.89-96. 2015 ISSN 2394 9236

48	<b>S.Malarvizhi</b> R.Shyamala Sankara Papavinasam	Assessment of Microbiologically Influenced Corrosion of Metals in Biodiesel from <i>Jatropha curcas</i>	NACE International Corrosion Conference Series	Article No.5772 2015 ISBN: 978-1-5108-0188-2
49	D.Veeravanitha , M.Sabarigiriraj, <b>D.Sumitha</b>	Performance of Optical bursts with Retransmission in OBS Networks	International Journal of Control Theory and Applications (IJCTA)	International Science Press, 8(4), 2015, pg. 1-7, ISSN: 0974-5572
50	<b>D.Sumitha,</b> K.Udayachandrika	Batch Arrival Retrieval Queue with Positive and Negative Customers, Priority or Collisions, Delayed Repair and Orbital Search	Elixir International Journal – Applied Mathematics	88, 2015, pg. 36182-36189, ISSN: 2229-712X
51	<b>D.Sumitha,</b> K.Udayachandrika	Unreliable Batch Arrival Retrieval Queue with Delayed Repair, Randomised J Vacations and Orbital Search	, International Journal of Scientific Research (IJSR)	Volume 4, Issue 7, July 2015, pg. 27 – 34, ISSN: 2277-8179
52	<b>D.Sumitha,</b> K.Udayachandrika	Two Phase Batch Arrival Retrieval Queue with Impatient Customers, Server Breakdown and Modified Vacation	International Journal of Latest Trends in Engineering and Technology (IJLTET)	Issue 1, Vol. 5, January 2015, pg. 260-269, ISSN: 2278-621X
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54	<b>T.Poongodi</b> and Dr.(Mrs.) S.Muthulakshmi	Fuzzy control chart for Waiting Time of $E_k / M / 1$ Queuing Model	International Journal of Latest trends in Engineering and Technology	Vol.5, No. 2 pp.437-446. 2015 ISSN:2278-621X
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56	<b>Rani.S</b> J.Shanthi Thanka Rajan S Ayeshamariam A Jayachandran M	Studies on the Influence of In and Zn Doping on the CdSe Based Photo Electro Chemical (PEC) Solar Cells Using Electron Beam Evaporation Technique	Materials Science Forum- “Emerging Functional Materials: Advances in Energy and Environmental Applications”.	2015/11, 832 & 84-93 ISSN: 0255-5476
57	<b>Rani.S</b> Thanka Rajan S J.Shanthi Ayeshamariam A Jayachandran M	Review on the Materials Properties and Photoelectrochemical (PEC) Solar Cells of CdSe, Cd <sub>1-x</sub> Zn <sub>x</sub> Se, Cd <sub>1-x</sub> In <sub>x</sub> Se, Thin Films	Materials Science Forum- “Emerging Functional Materials: Advances in Energy and Environmental Applications”.	2015/11,832 & 1-27 ISSN: 0255-5476