

**FACULTY RESEARCH PUBLICATIONS**

<b>Title of the paper</b>	<b>Name of the authors</b>	<b>Title of the journal</b>	<b>Year of publication / Vol. No./ Issue. No</b>
<b>DEPARTMENT OF TAMIL</b>			
Oppettu Nokkil Thirumanthiramum Thirukuranum	Dr.K.Gandhi Dr. P.Sathiya moorthi	Literary findings	2016/2/3
Vilimpu nilai Manithjarkalum Thalithiyamum	Dr.K.Gandhi Dr. P. Sathiya moorthi	Literary findings	2016/5/1
Silampil Mupperum Makalir	Dr.S.Balamurugan	Ayidha Ezhuthu	2017/2
Sangakaala Kathalarkalum Samooka Melanmaium	Dr.A.Jayakumar	Arima Nokku	2017/12/1
Sangakaala Kudilkal	Dr.A.Jayakumar	Literary Findings	2017/6/5
Sangakaala Nel Melanmai	Dr.A.Jayakumar	Ayidha Ezhuthu	2017/6/5
Thirukural Kattum Karpu Neri	Mrs.R.Bhuvaneswari	Ayidha Ezhuthu	2017/2
Naveena Kaala Kavinarkalin Sinthanai Pokku	Dr.R.Shanmugapriya	Ayidha Ezhuthu	2017/2
Nattupura Vilaiyattukalil Penkalin Pangu	Dr.R.Sundaramoorthi	Shanlax	2018/6
Muthu Mozhi Kanchiyil Vaalviyal Sinthanaikal	Dr.S.Balamurugan	Ayidha Ezhuthu	2018/19/10
Valluvar Kattum Vaalviyal Nerikal	Mrs.S.Ambika	Classical Tamil	2018/7/1
Palantamil Ilakkiyankalil Varumai	Mrs.G.Salammal	Classical Tamil	2018/7/1
Aravaliyal Peikalin Pangalippu	Dr.P.Revathi	Modernn Thamizh Research	2018/6/4

MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

Thol Tamilil Kudumpa Valvum Indraiya Nilaium	Dr.R.Sundaramoorthi	Modernn Thamizh Research	2018/7/1
Purananootril Tamilar Manpukal	Dr.S.Balamurugan	Literary Findings	2019/8/9
Pirkala Ovaiyarin Neethi Noolkalil Vaalviyal Sinthanaikal	Dr.R.Sundaramoorthi	Shanlax	2019/7/3
<b>DEPARTMENT OF ENGLISH</b>			
Global opportunities for English language graduate for International Employment- Connectional study	S.Suba, M.Vijayakumar, W.Christopher Rajasekaran, P.Sujatha	Indian journal of Research	2016/5
Rohinton Mistry as A Diasporic writer	K.Kannadasan N.Ramesh	Bodhi International Journal of Research in Humanities, Arts and Science	2016/2456
Gender Issues in Rohinton Mistry's Novel <i>A Fine Balance</i>	K.Kannadasan N.Ramesh	Bodhi International Journal of Research in Humanities, Arts and Science	2016/2349
Post Colonial Literature	K.Kannadasan N.Ramesh	Bodhi International Journal of Research in Humanities, Arts and Science	2016/2349
Library as learning resources centers in modern era	P.Sujatha S.Rinaldi Amalraj	IJHEPS	201702
Alumni Engagement in Arts & Science	K.Kannadasan N.Ramesh	IJHEPS	2017/02
Mass Communication and Society	R.Sridevi R.Janani	Social Issues in Literature and Media	2018

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Diasporic aspects in rohinton mistry's novels	K.Kannadasan N.Ramesh	International journal of English language	2018
Social Evils in Literature	K.S.Manju	Bodhi	2018
Depiction of women in Manju Kapur's Select Novels	J.Praba	International Journal of Research in Humanities, Arts and Science	2018
New Directions in Literature	E.Parvatham		2018
Feminism in margaret Atwood's The Handmaids Tale	R.Sridevi R.Janani		Literary Endeavour
Identity crisis in Michael Ondaatje's The English Patient	R.Sridevi K.Bhuvneswari	Literary Endeavour	2019/44728
The effects of industrialized on gender equality	R.Sridevi R.Renjath	Literary Endeavour	2019/44728
Women identity crisis in Alice Childress Florence	R.Sridevi Dr.V.Kunavi	Literary Endeavour	2019/44728
Marginalization in Kiran Desis The inheritance of loss	R.Sridevi S.Vidhya	Literary Endeavour	2019
An Experiential study on the learners perception of E-learning and traditional learning	S.Suba, M.Vijayakumar, W.Christopher Rajasekaran, P.Sujatha	Novel trends and techniques in literature and language research	2019
The quest for identy in bharathi Mukherjee's jasmine	S.Suba, M.Vijayakumar, W.Christopher Rajasekaran, P.Sujatha	Feministic and socialistic approaches in new literature	2019
Marital Discontent in Hayavadana	Dr.J.Kavitha P.Selvamani	Literary Endeavour	2019
Black Rage A tool in the plays of August Wilson	Dr.J.Kavitha R.Suruka	Literary Endeavour	2019
Women identity crisis in Rohinton mistry's family matters	K.Kannadasan N.Ramesh	Literary Endeavour	2019
Diasporic crisis in rohinton mistry's novels family matters	K.Kannadasan N.Ramesh	International journal of English Language	2019
Radical feminism in alice children's trouble in mind	R.Sridevi Dr.V.Kundavi	VEDA Publications	2019
Identity crisis in Bharathi Mugargee's The tiger's Daughter	Dr.J.Kavitha V.Sathya	VEDA Publications	2019

Sensibility of expatriate, struggle of women, strength of post colonial politics in the select novels of Rohinton mystry	K.Kannadasan N.Ramesh	Journal of interdisciplinary and multidisciplinary research	2019
A study of post colonialism in rohinton mistry's novel's <i>such a long journey and a fine balance</i>	K.Kannadasan N.Ramesh	VEDA Publications	2019
Effective Utilisation of Mobile Technology in ESL Classroom	S.Suba, M.Vijayakumar, W.Christopher Rajasekaran, P.Sujatha	GEDRAG & ORGANISATIE	2020
<b>DEPARTMENT OF MATHEMATICS</b>			
Dissipalivity And Passivity Analysis Of Markovian Jump Impulsive Neural Networks With Time Delays	Mr. P.Gopalakrishnan	International Journal Of Computer Mathematics	2016/0020-7160
State Estimation For Discrete – Time Neural Networks With Two Additive Time – Varying Delay Components Based On Passivity Theory	Mr. P.Gopalakrishnan	International Journal Of Pure and Applied Mathematics	2016/1311-8080 & 1314 - 3395
Oscillatory and Asymptotic properties of Higher order nonlinear Differential Equations	Mr. P.Gopalakrishnan	International Journal Of Education and Social science	2017/241051 71
A Comprehensive review on Hamilton cycles in prisms over graphs	Mr. P.Gopalakrishnan	International research journal of mathematics engineering and IT	2017/234903 22
A Comprehensive review on vertex covers by edge disjoint cliques	Mr. P.Gopalakrishnan	International research journal of mathematics engineering and IT	2017/234903 22
Theorems on oscillatory properties and asymptotic behavior of neutral difference Equation.	Mr. P.Gopalakrishnan	International journal of research in engineering IT and social sciences	2017/2250-0588
Oscillatory behavior of second order non-linear neutral differential equations	Mr. P.Gopalakrishnan	International journal for science and advance research in technology	2018/2395-1052

A Comprehensive review on three dimensional periodic solutions around collinear equilibrium points of generalized Hill's problem.	Mr. P.Gopalakrishnan	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
Non – Oscillation of Solution of First and Second Order Difference Equations.	Mr. P.Gopalakrishnan	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
Oscillatory Condition for Second Order Linear Difference Equations	Mr. P.Gopalakrishnan	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
A Note on Analytic Functions and A New Differential Operator	Mr. P.Gopalakrishnan	International journal of emerging technologies and innovative research	2019/2349-5162
A Note on Some Studies in First Order Matrix Differential System	Mr. P.Gopalakrishnan	International journal of emerging technologies and innovative research	2019/2349-5162
Stability of Dynamica Systems with time – varying Delays	Mr. C. Jayakumar	International Journal Of Innovative Research and Creative Technology	2016/2454 – 5988
Delay – Dependent stability criteria for delay differential systems	Mr. C. Jayakumar	International Journal Of Innovative Research and Creative Technology	2016/2454 - 5988

Global exponential stability for lotka – voltra population model with time varying delay	Mr. C. Jayakumar	International Journal Of Innovative Research and Creative Technology	2016/2454 - 5988
Stability analysis of uncertain neutral type system	Mr. C. Jayakumar	International Journal Of Innovative Research and Creative Technology	2016/2454 - 5988
Oscillatory behavior of First order neutral Delay difference equations	Mr. C. Jayakumar	International research journal of mathematics, Engineering and IT	2017/2349-0322
Asymptotic behavior of first order Delay difference equation	Mr. C. Jayakumar		2017/2349-0322
Existence of positive solutions of Difference equations	Mr. C. Jayakumar		2017/2349-0322
Asymptotic behavior of the first- order differential equations	Mr. C. Jayakumar		2017/2349-0322
Global behavior of Difference equation	Mr. C. Jayakumar		2017/2349-0322
Oscillatory condition for first order neutral difference equations	Mr. C. Jayakumar	International journal of research in engineering IT and social sciences	2017/2250-0588
A Study on difference equation and their applications in different kind of industries	Mr. C. Jayakumar	International journal of research in engineering IT and social sciences	2017/2250-0588
Oscillatory behavior of First order neutral Delay differential equations	Mr. C. Jayakumar	International research journal of mathematics, Engineering and IT	2017/2349-0322
Oscillation Theorems on higher order nonlinear Neutral Delay Differential Equations	Mr. C. Jayakumar	International Journal Of Education and Social science	2017/241051 71

Oscillation and non oscillation solution of first order linear difference equations	Mr. C. Jayakumar	Journal of emerging technology and innovative research	2018/2349 - 5962
Oscillatory behavior of second order neutral difference equations	Mr. C. Jayakumar	International journal for science and advance research in technology	2018/2349 - 5962
Oscillation Solutions of nth order neutral difference equations.	Mr. C. Jayakumar	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
Asymptotic and oscillatory behavior of third order neutral difference equation.	Mr. C. Jayakumar		2018/2250-0588
Qualitative behavior of properties of difference equations	Mr. C. Jayakumar		2018/2250-0588
Oscillation of Second Order Linear Difference Equations with Impulses	Mr. C. Jayakumar		2018/2250-0588
Necessary and Sufficient Condition for Oscillation Solution of Nonlinear Second Order Difference Equations	Mr. C. Jayakumar	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
Numerical Investigation of the Nonlinear Integro-Differential Equations using He's Homotopy Perturbation Method	Mr.A.S.Thirumurugan	Malaya Journal of Matematik	2017/2319 – 3786
Optimization technique of mixed finite element discretization for control problem	Mr.A.S.Thirumurugan	Journal of advanced research in applied Mathematics	2017/1942-9649
A Comprehensive Review On A Class Of Planer Well – Covered Graphs With Girth Four	Mr. S. Sakthivel	International journal of Multidisciplinary Research and Modern Education	2016/2454 – 6119

Usage of eulerian and Hamiltonian in Complete line Bigraph	Mr. S. Sakthivel	Paripex – Indian Journal Of Research	2017/2250 – 1991
Prime Labelling Of Some New Standard Graphs	Mr. S. Sakthivel	Paripex – Indian Journal Of Research	2017/2250 – 1991
A Study On Eulerian Sub Graphs And Hamilton Connected Graphs	Mr. S. Sakthivel	Asian case research journal	2017/0218-9275
A Comprehensive review on even graphs	Mr. S. Sakthivel	Asian case research journal	2017/0218-9275
A Comprehensive review on Disjoint Hamiltonian cycle in Bipartite Graphs	Mr. S. Sakthivel	Asian case research journal	2017/0218-9275
A Characterization of covers of eulerian Graphs	Mr. S. Sakthivel	Asian case research journal	2017/0218-9275
A Comprehensive review on Average distance and vertex connectivity	Mr. S. Sakthivel	Indo Asian journal of advanced Management	2017/2250-12666
A Comprehensive review on Hamilton cycles in Random Regular Digraphs	Mr. S. Sakthivel	Indo Asian journal of advanced Management	2017/2250-12666
A Statistical Analysis on Health care of AIDS Prevalent in Tamil Nadu	Mr.M.Guhanathan	International journal of Education and social science	2017/2410 – 5171
Modeling and Forecasting Climatology CO2 in Seasonal ARIMA process	Mr.M.Dineshkumar	Aayvagam An international journal of Multidisciplinary Research	2017/2321 - 5739
Time Series Modeling Approach Of Analysis In House Hold Income	Mr.M.Dineshkumar	International journal of Education and social science	2017/2410 – 5171
A Comprehensive review on Enumeration of trees by Inversions.	Mr. S. Sakthivel	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588



A Comprehensive review on randomly colouring graphs with lower bounds and grith and maximum degree	Mr. S. Sakthivel	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
A note on irregularity of graphs and related results	Mr. S. Sakthivel	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
A Comprehensive review multicolored trees in Random graphs.	Mr. S. Sakthivel	International Journal of Research in Engineering, IT and Social Sciences.	2018/2250-0588
A study on usage of eulerian and Hamiltonian in Complete line Bigraph	Mr.K.Salaikarpagamani	Paripex – Indian Journal Of Research	2018/2250 – 1991
An intuitionistic uniform grill structure space	Dr.P.Saranya	International journal of mathematics trends and technology	2018/2231 - 5373
A view on intuitionisc uniform lattice structure spaces	Dr.P.Saranya	Journal of emerging technologies and innovative research	2018/2231 - 5373
Adjacency Matrices of Graphs with A Given Rank and Laplacian Operator	Mr. S. Sakthivel		2019/2349-5162
A Comprehensive Review On Graphs From Groups	Mr. S. Sakthivel		2019/2349-5162
A Comprehensive Review Of irregular Graph in product graphs	Mr. S. Sakthivel		2019/2349-5162

<b>DEPARTMENT OF STATISTICS</b>			
A study on Formation Space Search Approach For The Teacher/ Class time Tabling Problem	Dr.V.Shanmuga sundaram	Asian Case Research Journal	2017/ ISSN NO 0218-9275
A Comprehensive Review On Mathematical Modeling In Heavy Traffic Queuing Systems	Dr.V.Shanmuga sundaram	Indo Asian journal of advanced Management	2017/ ISSN NO 2250-12666
A Study on Basic Limit Theorem for limit Traffic Queers and Their Applications	Dr.V.Shanmuga sundaram	Asian Case Research Journal	2017/ ISSN NO 0218-9275
An Overview And Review of A Dynamic Active Set Method For Linear Programming	Dr.V.Shanmuga sundaram	Indo Asian journal of advanced Management	2017/ ISSN NO 2250-12666
Mathematical Model And Algorithm For Link Community Detection Bipartite Networks	Dr.V.Shanmuga sundaram	Indo Asian journal of advanced Management	2017/ ISSN NO 2250-12666
A Characterization Of Quadratic Assignment Problem	Dr.V.Shanmuga sundaram	Indo Asian journal of advanced Management	2017/ ISSN NO 2250-12666
A Statistical Analysis of Time Series for Modelling ARIMA in Monthly Beer Production	Dr.V.Shanmuga sundaram	Research Review International Journal of Multidisciplinary	2017/VOL: 2, Issue No: 1 ISSN NO 2455-3085
Construction of Fuzzy Probabilistic Approach Statistical Quality Control Chart with Markov Dependence	Dr.V.Shanmuga sundaram	International Journal of Physical and Social Science	2017/ ISSN NO 2249-5894
Mathematical Calculation of Fuzzy Statistics for Quality Elevation	Dr.V.Shanmuga sundaram	Bulletion of Mathematics and Statistics Research	2017
Construction of Control Chart using for Multinomial Quality	Dr.V.Shanmuga sundaram	International Journal of Education and Social Science	2017/ ISSN NO 2410-5171
A Study on Formation Space Search Approach For The Teacher/Class Time Tabling Problem	Dr.V.Shanmuga sundaram	Asian Case Research Journal	2017/ ISSN NO 0218-9275
Statistical Analysis of Fuzzy Membership function for quality evaluation	Dr.V.Shanmuga sundaram	International Journal of creative Research thoughts	2018/ ISSN NO: 2320-2882

Statistical Study on Inequality of District Population in Tamilnadu State	Ms.S.Firoze	International Journal for Scientific Research & Development	2017/ ISSN NO 2321-0613
A Stochastic Approach to Determine Expected Time to Seroconversion When the Inter Contact Times from a Geometric Process	Dr.M.Iyappan	International Journal of Sciences & Applied Research	2017
A Stochastic Approach to Determine Seroconversion time of HIV Infected under Alertness using Exponential Modified Weibull Distribution	Dr.M.Iyappan	International Journal of Statistics and Applied Mathematics	2017/ ISSN NO: 2394 5698, Vol No: 3, Issue No: 6
A Stochastic Approach to Determine Seroconversion time of HIV Infected under Alertness using Exponential Modified Weibull Distribution	Dr.M.Iyappan	International Journal of Applied Research	2017/ ISSN NO 1085 – 1091, Vol No:2, Issue No: 1
A Stochastic Model with antigenic diversity threshold of HIV transmission using smallest order statistics	Dr.M.Iyappan	International Journals of Recent Scientific Research	2017/ ISSN NO 19083-19087, Vol No. 8, Issue No.8
A Stochastic model with antigenic diversity threshold of HIV transmission using geometric process	Dr.M.Iyappan	International Journal of Current Advanced Research	2017/ ISSN NO 7348-7356, Vol No.4, Issue No:2
A Stochastic model with antigenic diversity threshold using largest order statistics	Dr.M.Iyappan	Scholars Journal of Applied Medical Sciences	2017/ ISSN NO 4284-4292
Probabilistic Analysis of a relaxation for the K-Median Problem	Dr.V.Shanmuga sundaram	International Journals of Research in Engineering, IT and Social Sciences	2018/ ISSN NO 2250-0588
A Comprehensive Review On some sequencing Problem	Dr.V.Shanmuga sundaram	International Journals of Research in Engineering, IT and Social Sciences	2018/ ISSN NO 2250-0588, Vol No.8 , Issue No.8

A note on an extension of christofides Heuristic to the K-person travelling salesman problem	Dr.V.Shanmuga sundaram	International Journals of Research in Engineering, IT and Social Sciences	2018/ ISSN NO 2250-0588, Vol No. 8, Issue No.8
A Comprehensive review of optimal routing under capacity & distance restrictions	Dr.V.Shanmuga sundaram		2018/ ISSN NO 2250-0588, Vol No.8 ,
A note on the worst- case performance of some algorithms for the asymmetric travelling salesman problem	Dr.V.Shanmuga sundaram		2018/ ISSN NO 2250-0588, Vol No. 8, Issue No. 8
A Hybrid Group Acceptance Sampling Plan for Life times Based on Transmuted Rayleigh Distribution	Mrs.K. Vijayadevi		2018/ Vol:5, Issue-4
Reliability Test Plan for the New Weibull-Pareto Distribution	Mrs.K. Vijayadevi	International Journals of Interdisciplinary Research and Innovations	2018/ Vol:6, Issue-4
Double Acceptance Sampling Plans for Time Truncated Life tests	Mrs.K. Vijayadevi	Journal of emerging technologies and innovative Research(JETIR)	2018/ Vol:5, Issue-11,
Reliability Test plan for the Transmuted New Weibull - Pareto Distribution	Mrs.K. Vijayadevi	Journal of emerging technologies and innovative Research(JETIR)	2018/ Vol:5, Issue-11,
A Repetitive Group Sampling Plan for Truncated life tests using Transmuted Exponentiated Exponential and Transmuted Generalized Rayleigh Distribution	Mrs.K. Vijayadevi	International Journal of Statistics and Applied Mathematics	2018/ Vol:6, Issue-2,
A Hybrid Group Acceptance Sampling Plan for Lifetimes Based on Transmuted Exponential Distribution	Mrs.K. Vijayadevi	International Journal of Statistics and Applied Mathematics	2018/ Vol:3, Issue-2,

A Comprehensive review on contributions to the study of Stochastic models in manpower planning	Dr.V.Shanmuga Sundaram	Journals of emerging technologies and Innovative Research	2019/ Vol:6, ISSN NO 2349- 5162
A note on (s,S) inventory policy with/without retail and interruption of service or production	Dr.V.Shanmuga Sundaram	Journals of emerging technologies and Innovative Research	2019/ ISSN NO 2349-5162, Vol:6, Issue No.6
A comprehensive review of various variational inequalities and their systems	Dr.V.Shanmuga Sundaram	Journals of emerging technologies and Innovative Research	2019/ Vol:6, ISSN NO 2349- 5162, Vol:6, Issue No.6
A note on mathematical programming approach in reliability and multivariate sampling problems	Dr.V.Shanmuga sundaram	Journals of emerging technologies and Innovative Research	2019/ Vol:6, ISSN NO 2349- 5162, Vol:6, Issue No.6
A fuzzy statistical quality control charts using transition probability matrix of Markov processed	Dr.V.Shanmuga sundaram	Journal of Advanced research in Dynamic and Control Systems	2019/ Vol:11, ISSN NO 1943- 023X
Deploying intuitionistic fuzzy evaluation matrix for diagnostic dengue	Dr.V.Shanmuga sundaram	Journal of Advanced research in Dynamic and Control Systems	2019/ Vol:11, ISSN NO 1943- 023X
A situational analysis of newborn health in Nainampatty block	Mr.M. Iyappan Ms.K.Vasuki	Journal of Applied sciences and Computations	2019/ Vol:6, ISSN NO 10765131,Iss ue No.3
<b>DEPARTMENT OF PHYSICS</b>			
Synthesis of Tungsten Oxide (WO <sub>3</sub> ) Nanoparticles with EDTA by Microwave Irradiation Method	V Hariharan, V Aroulmoji, C Sekar, A Shanthakumar, M K Dhas	<i>Int J Adv Sci Eng</i>	2015/3/2
Synthesis and Fabrication of Dye Sensitized Solar Cells based on ZnO and TiO <sub>2</sub> Nano Composites	S Ranjitha, G Rajarajan, V Aroulmoji, V Hariharan, P M Anbarasan	<i>Int J Adv Sci Eng</i>	2015/4/1

Polyethylene Glycol (PEG) Assisted Tungsten Oxide (WO <sub>3</sub> ) Nanoparticles by Microwave Irradiation Method	V Hariharan, V Aroulmoji, C Sekar, R S Bhuvaneshwari, V Pathmavathi	<i>Int J Adv Sci Eng</i>	2015/3/2
Novel Synthesis and Characterization of Barium Doped Lead Sulphide Nanoparticles by Facile Chemical Precipitation Method	P Vennilaraj, K Rajeswari, G Karthick, V Hariharan, V Aroulmoji	<i>Int J Adv Sci Eng</i>	2015/3/2
Tight Focusing Properties of Phase Modulated Azimuthally Polarized Beam with High NA Lens Axicon	K.Prabakaran, S.Ramachandran, K.B.Rajesh, P.M. Anbarasan, V.Aroulmoji	<i>Int J Adv Sci Eng</i>	2015/2
Generation of multiple focal spot using phase modulated radially polarized TEM <sub>11</sub> * mode beam.	K.Prabakaran, K.B.Rajesh, T.V.S.Pillai, R.Chandrasekeran, R.C.Saraswathi,	<i>J Opt.</i>	2015/44
Structural and Vibrational Studies on 4-(4-Chlorophenyl)-4Hydroxypiperidine Using Experimental and DFT Methods	S.Ramachandran, K.Prabakaran, G.Velraj,	<i>Int J Adv Sci Eng</i>	2015/2
Effect of dielectric interface on the Tight Focusing properties of Radially Polarized annular multi gaussian Beams.	M.Lavanya, K.Prabakaran,K.B.Rajesh, M.Udhayakumar	Opt Quant Electron	2015/47
Magnetic and electrochemical behaviour of cobalt doped tungsten oxide (WO <sub>3</sub> ) nanomaterials by microwave irradiation method	V Hariharan, V Aroulmoji, K Prabakaran, B Gnanavel, M Parthibavarman	<i>Journal of Alloys and Compounds</i>	2016/689
Creation of sub wavelength focal spot segment using longitudinally polarized multi Gaussian beam	K Prabakaran, KB Rajesh, V Hariharan, V Aroulmoji, P M Anbarasan	<i>Int J Adv Sci Eng</i>	2016/3/2
Creation of Super Long Transversely Polarized Optical Needle Using Azimuthally Polarized Multi Gaussian Beam	C. M. Sundaram, K. Prabakaran, P. M. Anbarasan, K. B. Rajesh , A. M. Musthafa	<i>CHIN. PHYS. LETT.</i>	2016/33
Tight focusing properties of cylindrically polarized annular multi-Gaussian beam	R.Chandrasekaran .K.Prabakaran, K.B. Rajesh , A. Mohamed Musthafa, V.Ravi	Optik	2016/127

Generation of multiple focal spot and focal hole segments using phase modulated cylindrically polarized annular multi-Gaussian beam	R.Chandrasekaran , K.Prabakaran , K.B.Rajesh	<i>Opt. and quantum electronic</i>	2016/48
Creation of multiple subwavelength focal spot segments using phase modulated radially polarized multi Gaussian beam	K.Prabakaran, K.B.Rajesh, S.Sumathira, M. Dhivya bharathi, R.Hemamalini, A.Mohamed Musthafa, V.Aroulmoji	CHIN. PHYS. LETT.	2016/33
Properties of Surface Plasmon Polaritons Excited by Higher-Order Radially Polarized Laser Beams	R. Murugesan, N. Pasupathy , K. B. Rajesh , M. Udhayakumar , K. Prabakaran	J. Environ. Nanotechnol	2016/5
Tight focusing properties of phase modulated azimuthally polarized doughnut Gaussian beam	C.Mohanasundaram, K. Prabakaran, M.Udhayakumar, K.B.Rajesh, P.M.Anbarasan, A. Mohamed Musthafa	Opt. and Qunt. Electron	2016/48
“Tight Focusing Properties Of Phase modulated Radially Polarized Laguerre Bessel Gaussian Beam”	K.Prabakaran, P.Sangeetha, V.Karthik, K.B.Rajesh, A. Mohamed Musthafa	CHIN. PHYS. LETT.	2016/34
Creation of sub wavelength focal spot segment using longitudinally polarized multi Gaussian beam	K Prabakaran, KB Rajesh, V Hariharan, V Aroulmoji, P M Anbarasan	<i>Int J Adv Sci Eng</i>	2016/3/2
One-step microwave synthesis of pure and Mn doped WO <sub>3</sub> nanoparticles and its structural, optical and electrochemical properties	M Karthik, M Parthibavarman, A Kumaresan, S. Prabhakaran, V Hariharan	<i>Journal of Materials Science</i>	2017/28/9
“Tight focusing properties of phase modulated transversely polarized sinh Gaussian beam”	C. Mohanasundaram, K.Prabakaran, K.B.Rajesh, P.M.Anbarasan	Opt. and Qunt.Electron.	2017/49
“Effect of annular obstruction on tight focusing properties of azimuthally polarized sinh Gaussian beam”	C.Mohana Sundaram K.Prabakaran , M.Udhayakumar, K.B.Rajesh , G.Mahadevan	Global Journal of Pure and Applied Mathematics	2017/23

“Tight Focusing Properties of Phase Modulated Azimuthally Polarized Laguerre–Bessel–Gaussian Beam”	M.Lavanya, M.Udhayakumar, K.B.Rajesh, K.Prabakaran	Global Journal of Pure and Applied Mathematics	2017/13
Influence of bamboo leaf ash on the physical, mechanical and dielectric properties of reinforced ceramic insulator’ Int. J. Adv. Sci. Eng. Vol.6, 364-368 (2017).	M.Shanmugam, G.Sivakumar, R.Poongulhali, A.Santhakumar, M.Kumaradas	<i>Int J Adv Sci Eng</i>	2017/6/1
Simultaneous structural and optical control of tungsten oxide (WO <sub>3</sub> ) nanoparticles through cobalt doping for super conducting applications	V Hariharan, B Gnanavel, V Aroulmoji, R Sathiyapriya, K Prabakaran	<i>Int J Adv Sci Eng</i>	2018/3/2
Photovoltaic and Impedance Spectroscopy Analysis of ZrO <sub>2</sub> /TiO <sub>2</sub> Composites for Dye Sensitized Solar Cells	S Ranjitha, R Lavanya Devi, V Hariharan, P M Anbarasan, R S Priya	<i>Int J Adv Sci Eng</i>	2018/5/2
Structural and Optical Properties of Nanocrystalline Zn–Ce Doped SnO <sub>2</sub> by Co-Precipitation Method	C I Priyadharsini, M Sumathi, A Prakasam, P M Anbarasan, V Hariharan	<i>Int J Adv Sci Eng</i>	2018/4/4
Focal Shifting of Radially Polarized Laguerre Bessel Gaussian Beam with Radial Cosine Phase Plate	K Prabakaran, K B Rajesh, V Hariharan, P Sangeetha, V Aroulmoji	<i>Int J Adv Sci Eng</i>	2018/4/4
Generating Sub wavelength pure longitudinal magnetization probe and chain using complex phase plate”	M.Udhayakumar, K. Prabakaran, K.B. Rajesh, Z.Jaroszewicz, Abdelmajid Belafhal	Opt. Communication..	2018/407
Generation of Ultra-Long Pure Magnetization Needle and Multiple Spots by Phase Modulated Doughnut Gaussian Beam	M.Udhayakumar, K.Prabakaran, K.B.Rajesh	Optics and Laser Technology	2018/102
Tight focusing properties of spirally polarized LG <sub>(1,1)*</sub> beam with High NA Parabolic mirror	N.Umamageswari, K.B.Rajesh, M.Udhayakumar, K.Prabakaran, Z.Jaroszewicz	opt. quantum electronics	2018/50



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