DEPARTMENT OF MATHEMATICS

SELF-APPRAISAL

GENERAL INFORMATION

a)	Name	:**Dr.P.SENTHILKUMAR**
b)	Address (Residential)	:No. 14, Kannagi street, Muthamil Nagar, Medical College road, Thanjavur - 613007 Cell: 9894680048
c)	Designation	: Assistant Professor
d)	Department	: Mathematics
e)	Date of Birth	: 04.06.1967
f)	Area of Specialization	: Stochastic Processes
g.	Date of appointment	: 26.02.2011 FN
	i) In the Institution	: Rajah Serfoji Govt. College, Thanjavur
	ii) In the present post	: Associate Professor

ACADEMIC QUALIFICATIONS

Exam Passed	Board/University	Subject	Year	Division/ Grade, Merit
HSC.	Board of Higher Secondary Education	Maths, Phy, Chem, Bio	1985	Second
UG.	Bharathidasan University	Mathematics	1989	Second
PG.	Bharathidasan University	Mathematics	1993	First
M.Phil.	Makdurai Kamaraj University	Mathematics	2001	Second
Ph.D	Bharathidasan University	Mathematics	2010	Awarded

C.   RESEARCH EXPERIENCE AND TRAINING

Research Stage	Title of the work/ Thesis	University where work carried out
M.Phil.	---	Makdurai Kamaraj University
Ph.D.	A Study on Mathematical Models for the secretion of Cortisol due to Human stress	Bharathidasan University

Research Guidance (Give names of students guided successfully)

Name of the Degree	Total No. of students	Degree Awarded	Guiding at present
M.Phil.	30	30	0
Ph.D.	17	13	4

TEACHING EXPERIENCE:

Courses / Classes Taught	Name of the Institutions	Duration		
		From	To	Y-M
Under Graduate	Rajah Serfoji Government College, Thanjavur	26.02.2011	Till Date	12-04
Post Graduate	Rajah Serfoji Government College, Thanjavur	26.02.2011	Till Date	12-04

Total Teaching Experience

a) Under Graduate : 12 Years 4 Months

b) Post Graduate : 12 Years 4 Months

Details of Participation in the followings:

i) University evaluation : Acting as examiner for theory Examinations

ii) Internal evaluations : Evaluating the periodically conducted theory attests

iii) Paper setting : UG and PG Mathematics

iv) Evaluation of dissertations : M.Phil thesis in Mathematics

IMPROVEMENT OF PROFESSIONAL COMPETENCE:

Details regarding Refresher Course/Orientation attended participation in Summer School, Workshops, Seminars, Symposia etc., including open University Courses/M.Phil.,/Ph.D.,

Name of the course	Name of the Academic Staff College / Univeristy / Institution	Duration in days	Period	
			From	To
Orientation Course	UGC-ASC - University of Madras, Chennai	28	04-05-2011	02-06-2011
Refresher Course	UGC-ASC - Pondicherry University, Pondicherry	21	02-05-2013	22-05-2013

Refresher Course	HRDC- Bharathiyar University, Coimbatore	21	05-07-2017	25/7/2017
Refresher Course	HRDC- Ramnujan College - University of Delhi	14	31-08-2021	14-09-2021
Refresher Course	HRDC- Ramnujan College - University of Delhi	14	26-09-2022	10-10-2022

PUBLICATION PAPERS

Dr. P. SENTHILKUMAR

1. Lakshmi,S. and Senthilkumar.P.2007. Stochastic Model for Cortisol Secretion Due To Human Stress. Indian Academy of Mathematics, Vol.29, No.2 (2007) pp.313-321

2. Lakshmi S. Senthil kumar.P. Stochastic model for Cortisol secretion of cancer due to stress with persistent fatigue., Bio-Science Research Bulletin. Vol.24(No.2)2008:P101-106. ISSN: 0970-0889.

3. Senthilkumar .P And Lakshmi.S."Stochastic Model For Resilience Analysis Due To Smoking And Cortisol". Bio-Science Research Bulletin Vol.25, No.1, P.1-7, 2009. . ISSN: 0970-0889.

4. Senthilkumar .P and Lakshmi.S. "Stochastic Model for carousel system performance in Cortisol". Allied publishers private limited, at Jamal Mohamed College, Tiruchirappalli, from July 24-25 2009. P. 286- 289.

2014

5. P. Senthil Kumar, B.Mohamed Harif, A.Nithya Fuzzy "Model for Testosterone and Cortisol Responsiveness to Winning and Losing Experiences in Female Games Proceedings of the KSCSTE, DST sponsored International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics (ICAPGF),11-14 January,2014. Pg.216-225.

6. P. Senthil kumar, K. Balasubramanian, "Mathematical Model for Cortisol Secretion UsingBirth-Death Processes" Proceedings of the KSCSTE, DST sponsored International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics (ICAPGF),11-14 January,2014. Pg.112-117.

7. P.Senthil Kumar*, R.Abirami**, A.Dinesh Kumar Fuzzy Modeling for the Effect of rhIl-6 Infusion on Growth Hormone Proceedings of the KSCSTE, DST sponsored International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics (ICAPGF),11-14 January,2014. 246-252.

8.   Senthilkumar, P. and D. Sarguna Sundari. "A Stochastic Model for the Secretion of Blood Glucose in Type 2 Diabetic Subjects". Proceedings of the KSCSTE, DST sponsored International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics (ICAPGF),11-14 January,2014. pg.63-68.

9.   Sentilkumar, P. and N. Umamaheswari. "Stochastic Model to find the Expected Deterioration of Cortisol Secretion of Metastatic Breast Cancer using Gamma Distribution". Proceedings of the KSCSTE, DST sponsored International Conference on Advances in Applied Probability, Graph Theory and Fuzzy Mathematics (ICAPGF),11-14 January,2014.Pg. 75-84.

10.   Sentilkumar, P. and N. Umamaheswari. "Stochastic Model for the Box-Cox power transformation and estimation of the Ex-Ganssion Distribution of cortisol Secretion of Breast cancer due to smoking people". Antarctica J. Math, 11(1):99-108. 2014.

11.   Sentilkumar, P. and N. Umamaheswari.. "Stochastic Modeling Neutral Evolution by an IAMBP of crtisol Secretion of Breast cancer". Int. Journal of Engineering Research and Applications, 4(8):1-6. 2014.

12.   Sentilkumar, P. and N. Umamaheswari. "The Impact by PMT polices as anonnegative levy process of diurnal cortisol Beat of Breast cancer through Stochastic Model". International Journal of Graphics and Image Processing, 4(3):229-236. 2014.

13.   Sentilkumar, P. and N. Umamaheswari. "The Impact by Reliability Growth in strersintervension for non-metastatic Breast cancer through stochastic model". Arya Bhatta Journal of Mathematics and Informatics, 6(2):289-292. 2014.

14.   Senthil Kumar, P. and B. Mohamed Harif. "Fuzzy Modeling of Perceived Stress, And Cortisol Response to Awakening using Distance for Fuzzy Sets". International Journal of Scientific and Research Publishing, 4(11): 1-6. 2014.

15.   Senthil Kumar, P. and B. Mohamed Harif. "Rule-Based Mamdani-Type Fuzzy Modeling of Perceived Stress, And Cortisol Response to Awakening". International Journal of Engineering Research and Applications, 4(8)29-35. 2014.

16.   Senthil Kumar, P. and B. Mohamed Harif. "Fuzzy Modeling of Cortisol Secretion of Job Strain due to Stress using Extended Hausdroff Distance for Intitutionistic Fuzzy Sets". AryaBhatta Journal of Mathematics and Informatics, 6(2):231-238. 2014.

17.   Senthilkumar, P. and D. Sarguna Sundari. "A Stochastic Vasicek Model For The Glucose –Induced Glucagon – Like Peptide 1 Secretion Is Deficient In Patients With Non-Alcoholic Fatty Liver Disease". AryaBhatta Journal of Mathematics, 6(2):305-308. 2014.

18.   Senthil Kumar, P., A. Dinesh Kumar & M. Vasuki. "Stochastic Model to Find the Diagnostic Reliability of Gallbladder Ejection Fraction Using Normal Distribution", International Journal of Computational Engineering Research (IJCER), 4(8):36-41. 2014.

19.   Senthil Kumar, P., A. Dinesh Kumar and M. Vasuki, "Stochastic Model to find the Gallbladder Motility in Acromegaly Using Exponential Distribution". International Journal of Engineering Research and Applications, 4(8):29-33. 2014.

20.   Senthil Kumar, P., A. Dinesh Kumar and M. Vasuki. "Stochastic Model to Find the Gallbladder Dynamics with Gallstones Results Using Exponential Distribution". IFRSA's International Journal of Computing, 4(3):619-622. 2014.

21.   Senthil Kumar, P., A. Dinesh Kumar and M. Vasuki. "Stochastic Model to Find the Multidrug Resistance in Human Gallbladder Carcinoma Results Using Uniform Distribution". International Journal Emerging Engineering Research and Technology, 2(4):412-421. 2014.

22.   Senthil Kumar, P., A. Dinesh Kumar and M. Vasuki. "Stochastic model to find the effect of gallbladder contraction result using uniform distribution". Arya Bhatta Journal of Mathematics and Informatics, 6(2):323-328. 2014.

23. Sentilkumar, P. and N. Umamaheswari. "Stochastic model to find the time factor of cortisol secretion of Breast cancer using weibull distribution" Icomac 2014, proceedings pg:572-579, Jamal academic research journal.

2015

24.   Senthil Kumar, P. and B. Mohamed Harif. "Fuzzy model for somking cessation and Cortisol awakening Rerponses". International Journal. Fuzzy mathematical archive. 6(2),127-132. 2015

25.   Senthil kumar, P and Ms. R. Abirami, "Stochastic Model To Find The Effect Of Glucose-Dependent Insulinotropic Hormone Based On The Length Of Small Intestine Using Cauchy Distribution" Int. Journal of Engineering Research and Applications Vol. 5, Issue 4, (Part -3), pp.39-43, April 2015

26.   Senthil kumar, P and Ms. R. Abirami, "Stochastic Model to Find the Effect of Glucose-Dependent Insulinotropic Hormone by Fructose Using Strongly Nonlinear Variational-Like Inequality" International Journal of Emerging Engineering Research and Technology Volume 3, Issue 4, PP 37-43. April 2015.

27.   Senthil kumar, P and Ms. R. Abirami, "Stochastic Model To Find The Characteristic Function Of Insulinotropic Action Of Glucose-Dependent Insulinotropic Hormone Using Compound Poisson Process" International Journal of Computational Engineering Research (IJCER) Volume, 05 Issue, 07, July – 2015.

28.   Senthil kumar, P and Ms. R. Abirami,   "Stochastic Model for the Yule Process and Estimation of the Convex Function of Gip Secretion in Response to Oral Glucose Tolerance Test" Aryabhatta Journal of Mathematics & Informatics Vol. 7, No. 1, Jan-June, 2015

29.   Senthil kumar, P. and D. Sarguna sundari, "A Stochastic Model by the Fourier Transform of Pde for the Glp - 1 Int. Journal of Engineering Research and Applications", Vol. 5, Issue 5, (Part -1) May 2015, pp.34-39.

30.P. Senthil kumar, K. Balasubramanian, and A. Dinesh kumar "Stochastic Model to Estimate the Changes in Plasma Insulin and ffas during oltt And ogtt Using Normal Distribution" Bulletin of Mathematics and Statistics Research. Vol.3.Issue.3. pg.10-16.2015.

31.Senthil kumar, P and Ms. R. Abirami, "Stochastic model to find the effect of glucose-dependent insulinotropoic hormone in cholecystectomized patients using boundary condition in Hamilton Jacobi-belllmann equation" Bulletin of Mathematics and Statistics Research. Vol.3.Issue.3. pg.58-62. (Jul-sep)2015.

32. P. Senthil kumar, K. Balasubramanian, and A. Dinesh kumar "A new stochastic model to find the insulin secretion from human islets using exponential distribution" Journal of Mathematics (IJRD). Vol.1.Issue.3.paper 10, pg.72-79. **July 2015.**

33. Dr.P.Senthil kumar, B.Mohamed Harif and A.Nithya "The cortisol awakening Response for Using Fuzzy Time Series and Genetic Algorithms" ISSN: 2250-3153, International Journal of Scientific and Research Publications, Vol.5, Issue 7,July **2015**.Pg.1-8

34. Dr.P.Senthil kumar, B.Mohamed Harif and A.Nithya "The cortisol awakening Response for Using Modified Method For Higher Order Logical Relationship" ISSN: 2395-2946, International Journal of innovative trends in engineering, Vol.6, No.1, 2015.Pg.22-28.

35. Dr.P.Senthil kumar, B.Mohamed Harif and A.Nithya "The Cortisol awakening response using modified proposed method of forecasting based on fuzzy time series". International journal of Engineering Research and Applications Vol.5, Issue10 (Part -3), July **2015.**Pg.63-70.

36. Dr.P.Senthil kumar, B.Mohamed Harif and A.Nithya "Forecasting the free cortisol levels after awakening based on High-Order Fuzzy Logical Relationship" ISSN: 0975-7139, Aryabhatta Journal Of Mathematics & Informatics, vol.7 No.1, Pg.No.13-22, Jan-June,2015.

37. Dr.P.Senthil kumar, B.Mohamed Harif and A.Nithya "The cortisol awakening Responseusing modified computational metho of forecasting based on fuzzy time series". International journal of Engineering Research and Applications Vol.5, Issue12, December-**2015.**Pg.18-22.

38. N.Gowrisankar and P.Senthilkumar "Ideal Bitopological b-T_0 (-T_1,-T_2) spaces" ISSN: 2348-7968 International Journal of innovative Science Engineering & Technology. Vol 2 Issue 7,Pg.110-115, july **2015.**

39. N.Gowrisankar and P.Senthilkumar "Ideal Bitopological b-R_0 (-R_1) spaces" ISSN: 2348-7968 International Journal of innovative Science Engineering & Technology. Vol 2 Issue 7, Pg. 116-126,july **2015**.

40. Senthilkumar, P. and D. Sarguna Sundari. "An Euler-Maruyama method to the black schools sde to the preserved incretia activity of GLP-1 with type -2 diabetes patients. Bulletin of mathematics and statistics research Vol.3 Issue 3.**2015**. (July-sep). ISSN:2348-0580.

41. P. Senthil kumar, K. Balasubramanian, and A. Dinesh kumar "Stochastic model to estimate the insulin secretion using normal distribution". Aryabhatta Journal of Mathematics & Informatics Vol. 7, No. 2, july-Dec- **2015**.

2020

[1] P. Senthil Kumar & A.Arul Selvi, "Stochastic Model to Find the Explicit Solution of Water Flow in Mettur Dam under Power Utility", Journal of Xidian University, Volume 14,Issue 4,Page Number 552-559,2020,**(UGC CARE GROUP II- SCOPUS ISSN NO:1001-2400).**

[2] P. Senthil Kumar & A. Arul Selvi , "On Finding the Stationary Distribution Of Mettur Dam Content Under Levy Process" Aegaeum Journal ,Volume 8, Issue 4,Page Number 1070-1076,2020,**(UGC CARE GROUP II –SCOPUS ISSN NO: 0776-3808).**

[3] P. Senthil Kumar & A. Arul Selvi , "A Stochastic Model for Finding the Optimal Expulsion of Water Flow with a Switching Cost " Aegaeum Journal ,Volume 8, Issue 4,Page Number 1887-1895,2020,**(UGC CARE GROUP II –SCOPUS ISSN NO: 0776-3808).**

[4] Senthil Kumar, A.Arul Selvi & Rostam K. Saeed, "Finding the Invariant Measure of Water Level in Mettur Dam under Stochastic Averaging" International Journal of Advanced Science and Technology(IJAST), Volume 29, Issue 4s, Page number 2202-2211 (2020), **(UGC CARE GROUP II –SCOPUS- ISSN NO: 2207-6360 (online), 2005-4238(Print).**

[5] P.Senthil Kumar, A.Arul Selvi, "A Stochastic Model to Analyze Water Flow in Mettur Dam Using Limiting Distribution at the Ruin Time" in Malaya Journal of Matematik **UGC CARE GROUP.**

[6] Senthil Kumar, A.Arul Selvi , "An Analysis of Mettur Dam Inflow and Outflow using subcritical branching systems" in Malaya Journal of Matematik **UGC CARE GROUP.**

[7] P. Senthil Kumar & T. Aparna, "Analyzing Inflow and Outflow of Water in Mettur Dam during the Year 2007-2008 using Generalized Pareto Distribution", Journal of Xidian University, Volume 14,Issue 4,Page Number 86-93,2020,**(UGC CARE GROUP II-SCOPUS ISSN NO:1001-2400).**

[8] P.Senthil Kumar & T. Aparna," Downtime Distribution for Analyzing Inflow and Outflow of Water in Mettur Dam", International Journal of Psychosocial Rehabilitation, Volume 24, Issue 08,Page Number 519-529,2020,**(SCOPUS ISSN: 1475-7192).**

[9] P. Senthil Kumar & T. Aparna, "Analyzing Inflow and Outflow of Water in Mettur Dam during the Year 2011-2012 using Trend Renewal Process", Journal of Advanced Research in Dynamical and Control Systems (JARDCS),Volume 12, Special Issue 02, Page Number 467-474,2020,**(SCOPUS ISSN NO:1943-023X).**

[10] P. Senthil Kumar & T. Aparna, "Analyzing Inflow and Outflow of Water in Mettur Dam during the Year 2012-2013 using Gompertz Distribution", Aegaeum Journal ,Volume 8,

Issue 4,Page Number 71-79,2020,**(UGC CARE GROUP II –SCOPUS ISSN NO: 0776-3808).**

[11]   P. Senthil Kumar & T. Aparna," Analyzing Inflow and Outflow of Water in Mettur Dam during the Year 2013-2014 using Symmetric and Skew Processes", International Journal of Advanced Science and Technology(IJAST), Volume 29,Issue 4,Page Number 458-477,2020,**(SCOPUS ISSN NO: 2207-6360 (online), 2005-4238(Print)).**

[12]   P. Senthil Kumar & T. Aparna," Analyzing Inflow and Outflow of Water in Mettur Dam from the Year 2007 to 2014 using Generalized Inverted Exponential Distribution", International Journal of Advanced Science and Technology(IJAST), Volume 29,Issue 6S,Page Number 345-350,2020,**(SCOPUS ISSN NO: 2207-6360 (online), 2005-4238(Print).**

[13]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model to Analyze Salivary Cortisol and Amylase Reactivities in Human Pregnancy Using Subordinate Brownian Motions", Journal Of Xidian University, Volume-14, Issue-4(2020): P.No.94-101,**(UGC CARE GROUP II-SCOPUS Journal ISSN No.1001-2400).**

[14]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model to Discover the Semimartingale Representation of the Impact on the Salivary Cortisol and Amylase levels during Psychological Stress in Healthful Young Adults", International Journal Of Advanced Science and Technology(IJAST), Volume-29, Issue-3(2020): P.No.6814-6822,**(SCOPUS ISSN No.2207-6360(online),2005-4238(print).**

[15]   Dr. P. Senthil Kumar,   D.Thamaraiselvi, "Prediction Of Estro-Progestin Supplimentation Enhances Growth Hormone Secretion In Postmenopausal Women By Using Gm(2,1) And Grey-Markov(2,1) Model", Volume 14, ISSUE 4, 2020, Pg. No. 803-810, Journal of Xidian University, ISSN No:1001-2400**,(UGC   CARE GROUP II-SCOPUS ISSN NO:1001-2400).**

[16]   Dr. P. Senthil Kumar,   D.Thamaraiselvi, "Comparison Study of Markov Model, Semi-Markov Model, HM Model, Gm (1,1) Model, And Gm(2,1) Model in Ghrelin Strongly Stimulate Growth Hormone Release in Humans", Volume 8, Issue 4, 2020, Pg. No. 1236-1250, Aegaeum Journal, 2020 **(UGC CARE GROUP II –SCOPUS ISSN NO: 0776-3808)(Print).**

 [17]   P.Senthilkumar, P.Thiruveni, and D.Dhamodharan 'Some Results On Common Fixed Point In Fuzzy 2-Normed Linear Space" The International journal of information science and Engineering' "Fuzzy sets and system"Pg.1-8. 2020.

2019

[18]   P. Senthil Kumar & A. Arul Selvi , "To Find the Stochastic Model of Water Level in Mettur Dam during June 2003-May 2004 using Offspring Distributions", The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), Volume XI, Issue VIII, Page Number 1002-1006,August/2019 ,(**UGC-CARE GROUP II -ISSN NO: 0886-9367**).

[19] P.Senthil Kumar, A.Arul Selvi , "Stochastic Model on Finding Stationary Increments of Water Level in Mettur Dam During June 2005-May 2006 Using Gaussian Processes" ,International Journal of Scientific Research and Modern Education (IJSRME) ,Volume 4, Issue 2, Page Number 7-14, 2019,(**ISSN NO: 2455-5630**).

[20]   P. Senthil Kumar & T. Aparna, "An Analysis of Mettur Dam Inflow and Outflow using an Infinite –Allele Markov Branching Process", The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), Volume XI, Issue VIII, Page Number 995-1001,August/2019 ,(**UGC-CARE Group II journal ISSN NO: 0886-9367**).

[21]   P. Senthil Kumar & T. Aparna, "A Stochastic Time Deterioration Process for Inflow Outflow Analysis of Mettur Dam During June 2010 to May 2011", International Journal of Scientific Research and Modern Education(IJSRME), Volume 4, Issue 2, Page Number 1-6, 2019,(**ISSN NO: 2455-5630**).

[22]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model to Analyze the Responses of Cortisol and Alpha-Amylase in Adiposity using New Lifetime Distribution", Research directions, Volume-6, Issue-12 (April 2019):P.No.375-383, **(UGC Journal No.45489, ISSN No.2321-5488).**

[23]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model for the Diffusion Local time Storage of Cortisol and Alpha- Amylase reactivities in Generalized Social Anxiety Disorder Disease", Journal of Applied Science and Computations(JASC), Volume-VI, Issue-IV, (April 2019):P.No.3851-3872,(**ISSN No.1076-5131**).

[24]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model for the Gaussian Fields and Gaussian Sheets with Generalized Cauchy co-variance Structure of Salivary Alpha Amylase – Cortisol dissymmetry in Maltreated Youth", The International Journal of Analytical and Experimental Modal Analysis(IJAEMA), Volume-XI, Issue-VIII(August 2019):P.No.990-994, (**UGC CARE GROUP II Journal ISSN No.0886-9367**).

[25]   Dr. P. Senthil Kumar, D. Thamaraiselvi, "Hidden Markov Model Application In Low Dosage Of Ghrelin With Ghrh Measuring Stimulation Of Human Growth Hormone", Volume 6, Issue: 12 April 2019, Pg No. 362-374 (**UGCJournal. No. 45489 ISSN NO – 2321-5488).**

[26]   Dr. P. Senthil Kumar, D.Thamaraiselvi, "Semi Markov Model's Application On Predicting Growth Hormone Secretion Using Ghrelin Intravenously In Normal And Vagotomized Patients", Volume VI, Issue IV, April/2019, Pg No. 3838-3850 JASC: Journal of Applied Science and Computations, **(ISSN NO: 1076-5131).**

[27]   Dr. P. Senthil Kumar, D.Thamaraiselvi and Rostam K. Saeed, "Prediction Of Gm(1,1) Markov Model In Ghrelin Induced Growth Hormone Secretion In Human", Volume XI, Issue VIII, August/2019, Pg. No. 1611-1623, The International journal of analytical and experimental modal analysis**(UGC-CARE Group II journal ISSN NO: 0886-9367**)**(Print).**

2018

[28]   P. Senthil Kumar and P. Bharathi Kannammal, " Stochastic Model to find the Identifiability of Alpha-Amylase and Cortisol Reactivities in Breast Cancer Survivors", International Journal of Current Research and Modern Education(IJCRME), Volume-3, Issue-1(2018):P.No.596-603,**(ISSN No:2455-5428).**

[29]   [1] Dr. P. Senthil Kumar, D.Thamaraiselvi, "Prediction Of Growth Hormone Release In Humans By Strong Ghrelin Dosage Using Markov Chain Analysis", Volume 3, Issue 1, 2018, Pg. No. 585-588 International Journal of Current Research and Modern Education (IJCRME) , **(ISSN (Online): 2455 – 5428).**

[30]   P. Senthil Kumar & S. Sangeetha, (2018) "Properties of γ - Para compact Spaces", International Journal of Scientific Research and Modern Education, Volume 3, Issue 1, PP .37-42, **ISSN (Online): 2455 – 5630.**

[31]   P. Senthil Kumar & S. Sangeetha, (2018) "Generalization of L-Fuzzy Countable Compact Spaces", International Journal of Multidisciplinary Research and Modern Education, Volume 4, Issue 1, PP .138-145, **ISSN (Online): 2454 - 6119**

[32]   P. Senthil Kumar & S. Sangeetha, , (2018) "On γ - Connectedness in L-Topological Spaces", International Journal of Advanced Trends in Engineering and Technology, Volume 3, Issue 1, PP .168-170, **ISSN (Online): 2456 – 4664**

[33]   P. Senthil Kumar and S. Sangeetha, (June – 2018) "Generalization of L-Fuzzy Topological Compact Spaces" Research Directions, Volume – 5, Issue – 12, PP. 1-5, **ISSN: 2321-5488.**