Curriculam Vitae

Name	**:**	**Dr. S. Lakshmi**
Qualification	:	**M.Sc., M.Phil., Ph.D.**
Gender	:	Female
Date of Birth	:	22.08.1957
Designation	:	Principal
Address	:	No. 16, Badri Vishal, Ganapathy Nagar, Thanjavur - 613001
Institution Address	:	Kunthavai Naachiyar Govt. Arts College for Women (Autonomous),Thanjavur – 613007
Date of Entry in Service	:	29-10-1982
Teaching Experience	:	32 Years 10 Months
Research Experience	:	17 Years
Telephone Number	:	04362 – 272021, 09865839444
e. mail id	:	lakshmi291082@yahoo.co.in
No. of Papers published in Reputed Journals	:	**189**
Editor in Chief	:	Member of the Editorial board in various Journals

Author of the various Books.

Member of the various Academic Societies.

Member of the Various Doctoral Commitees.

UGC Sponsored Minor Research Projects

1. Dr.S.Lakshmi, "A Study on Mathematical Models for Human Stress Effects", Amount sanctioned Rs. 45000, 2007.
2. Dr,S.Lakshmi, " A Study on Mathematical Models for Human Stress Effects-A scientific approach with Mathematical Support", April 2009-10.Amount Sanctioned Rs.45000.

UGC Sponsored Major Research Projects

1. Dr. S. Lakshmi "Mathematical models for the secretion of Stress Hormones in Medicine", for the Period of 3 Years from Feb – 2011, Amount sanctioned Rs. 791000 /-

AWARDS

1.Bharat Shiksha Ratan Award given by Global Society for Health & Educational Growth,NewDelhi for Excellence in Chosen field of Activity" On the occasion of 35th National Seminar on "INDIVIDUAL ACHIEVEMENTS & NATIONAL DEVELOPMENT" on Monday 3rd September, 2012, at **New Delhi**.

2. Life Time Education Excellence Award with Medal given by All India Business Development Association " for Excellence in Chosen Field of Activity" on the occasion of 37th National Seminar on **"INDIVIDUAL ACHIEVEMENTS & NATIONAL DEVELOPMENT"** On Monday the 29th April, 2013 at **New Delhi.**

3. Dr. Radhakrishnan Gold Medal Award for Contribution to Education and National Development for distinguished Individual Achievement in Education on the occasion of "National Unity Conference", on 19.10.2013 conducted by Global Economic Progress & Research Association, at **Chennai**.

4. International Status award for intellectual Achievement in Recognition of Sterling Merit Excellent Performance and Outstanding Contribution for the progress of the Nation and worldwide , given by Global Society for Health & Educational Growth, on the occasion of 11th " Global Achievers Summit " on "Individual Contribution for International Integration & World Peace" on Monday 18th November 2013 at **DUBAI (UNITED ARAB EMIRATES)**.

5. INDO-NEPAL ASIA GOLD STAR AWARD on the occasion of INDO-NEPAL Friendship & Economic Co-operation ceremony, Saturdayday,2nd Aug.2014 at KATHMANDU, NEPAL organized by Global society for health & educational growth, New Delhi

6.JAWAHARLAL NEHRU GOLD MEDAL AWARD Presented to Dr.S.Lakshmi for Excellence in her respective field on the occasion of 20th National Seminar on "Individual Achievement & National Development" ,6th Sep.2014 at Chennai given by GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION, NEW DELHI.

7. BEST EDUCATIONIST AWARD presented to Dr.S. Lakshmi for outstanding Achievements in the Field of Education at New Delhi on 26th May,2015 By INTERNATIONAL INSTITUTE OF EDUCATION & MANAGEMENT, NEW DELHI

8.BHARAT VIDYA VIBHUSHAN PURASKAR Award Presented to Dr.S.Lakshmi for outstanding Achievement in the Field of Education in the above same occasion.

9.**NATIONAL MAHILA RATTAN GOLD MEDAL AWARD** presented to Dr.S.Lakshmi for Outstanding Achievements in the Field of Education at New Delhi on 26th May 2015by INDIAN SOLIDARITY COUNCIL.

Particulars about the candidate doing Ph.D under the Guidance of Dr.S.Lakshmi M.Sc., M.Phil., Ph.D., in Bharathidasan University, Trichy.

The following members have been admitted for Ph.D.in Mathematics (in Part time Category) at the Dept.of Mathematics, K.N.Govt.Arts College for Women,Thanjavur.

1. **Ms.T.Geetha** M.Sc.,M.Phil.,Lecturer in Mathematics, Bharathidasan Constituent College, Orathanadu..
   Ref.No.21799/Ph.D./Maths/P.T./Jan.2006. **Ph.D. Degree awarded**

2. **Mr.P.Senthilkumar**.M.Sc.,M.Phil.,Lecturer in Mathematics,
   Danalakshmi Srinivasan College of Arts & Science, Perambalur. M.Sc.,M.Phil.,
   Ref.No.21127/Ph.D./Maths/P.T./Jan.2006. **Ph.D Degree Awarded**

3. Mrs.**S.Shunmugapriya** M.Sc.,M.Phil.,Lecturer in Mathematics,Anjalai Ammal Mahalingam Engineering College, Kovilvenni-614403.
   Ref.No.5660/Ph.D./Maths/P.T./April 2006. **Ph.D. Degree Awarded**

4. Mrs.**R.Punithavathi** M.Sc.,M.Phil.,Lecturer in Mathematics,Anjalai Ammal Mahalingam Engineering College, Kovilvenni-614403.
   Ref.No.5486 /Ph.D./Maths/P.T./April 2006. **Ph.D. Degree Awarded**

5. Mr.**A.Venkatesh** M.Sc.,M.Phil.,Lecturer in Mathematics, Anjalai Ammal Mahalingam Engineering College, Kovilvenni-614403.
   Ref.No.5660/Ph.D./Maths/P.T./April 2006. **Ph.D. Degree Awarded**

6. Mr.**A.Rameshkumar** M.Sc.,M.Phil.,Research Scholar in Mathematics,K.N.Govt.Arts College for Women, Thanjavur.
   Ref.No.6738 /Ph.D./Maths/P.T./ July 2006. **Ph.D. Degree Awarded**

7. Mrs.**S.UmaM**.Sc.,M.Phil.,Assistant Prof. of Mathematics, D.G.Govt.Arts college,Mayiladuthurai
   Ref.No.23920 /Ph.D./Maths/P.T./ Oct. 2006. **Ph.D. Degree Awarded**

8. Mrs.**S.Pamela** M.Sc.,M.Phil., Principal, K.K.Arts College, Kulithalai.
   Ref.No.14336 /Ph.D./Maths/P.T./ July 2009. **Ph.D.Degree Awarded**

9. Mrs.**B.Geetharani** M.Sc.,M.Phil., Associate Professor of Statistics, K.N.Govt.Arts College for Women, Thanjavur.
   Ref.No.31020 /Ph.D./Maths/P.T./ Jan 2010. **Ph.D.Degree Awarded**

10. Mr. **I.Christyraj** M.Sc.,M.Tech,Assistant Prof. of Mathematics, Anjalai Ammal Mahalingam Engineering College, Kovilvenni-614403.
    Ref.No.14343/Ph.D./Maths/P.T./July2009. **Ph.D. Degree Awarded**

11. Mr.**R.Balakumar** M.Sc.,M.Phil., Lecturer in Mathematics, PRIST , Thanjavur.

Ref.No.44532/Ph.D./ Maths/P.T/April2010 **Ph.D. Degree Awarded**

12. Mrs. **M.Anusuya** M.Sc.,M.Phil., Assistant Prof. of Mathematics, K.N.Govt.Arts College for Women,(Autonomous) Thanjavur.
Ref.No.46294/Ph.D./ Maths/P.T/April2010 **Ph.D.Degree Awarded**

13. Mrs.**P.Gomathisundari** M.Sc.,M.Phil., Assistant Prof. of Mathematics , Rajah Serfoji Govt.Arts College(Autonomous) ,Thanjavur.

Ref.No.46293/Ph.D./ Maths/P.T/July2010 **Ph.D. Degree Awarded**

14.Mr.R.Karthik, M.Sc.,M.Phil., Assistant Prof. of Mathematics , Velammal Engineering College, Chennai.

Ref.No.22570/Ph.D./ Maths/P.T/Jan2011. **Ph.D. Degree Awarded**

15 Mrs.G.Shankari, M.Sc.,M.Phil., Associate Prof. of Mathematics , TUK Arts College, Thanjavur.

Ref.No.30696/Ph.D./ Maths/P.T/Jan2011 Thesis Submitted

16.A.Manickam M. Sc.,B.Ed.,M.Phil., Assistant Prof. of Mathematics, Kings Engineering College, Thanjavur, Oct.2012.

Ref.No.16693/Ph.D./ Maths/P.T/Oct2012 Synopsis Submitted

17. Akanksha Amit Desai M.Sc., Part Time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.July 2014.

Ref.No. /Ph.D./ Maths/P.T/July2014

The following members have been admitted for Ph.D.in Mathematics (in Full time Category) at the Dept.of Mathematics, K.N.Govt.Arts College for Women,Thanjavur.)

18.M.Senbagavalli M.Sc.,M.Phil.,Full Time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.Oct.2012.

Ref.No.27033/Ph.D./ Maths/F.T/Oct.2012 **Thesis Submitted**

19.N.Durgadevi M.Sc.,M.Phil., Full time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.April 2013.

Ref.No.06230/Ph.D./ Maths/F.T/April 2013 **Thesis Submitted**

20.M.Gayathri M.Sc.,M.Phil.,Full Time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.July 2013.

Ref.No.16469/Ph.D./ Maths/F.T/July 2013 **Thesis Submitted**

21.M.Agalya M.Sc.,M.Phil.,B.Ed., Full Time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.July 2013.

Ref.No. /Ph.D./ Maths/F.T/July 2013 **Thesis Submitted**

22**. M.Goperundevi** M.Sc.,M.Phil., Full Time Research Scholar, K.N.Govt.Arts college for Women, Thanjavur.July 2013.

Ref.No.130812/Ph.D./ Maths/F.T/Oct.2013 Synopsis Submitted

RESEARCH PUBLICATIONS

List of Journals of Publications:

Dr.S.Lakshmi

1. Lakshmi.S.and T.Geetha. "An application to Stochastic clearing systems", **Journal of Indian Academy of Mathematics ,Vol.29, No. 1(2007)pp79-86.**
2. Lakshmi.S **and** P.Senthilkumar. "Stochastic model for cortisol secretion due to human stress", **Journal of Indian Academy of Mathematics ,Vol.29, No. 2(2007) P:313-321.**
3. Lakshmi.S and R.Punithavathi, "Stochastic model for cardiovascular system due to histamine**", Bio-science Research Bulletin.Vol.23 (No.2)2007: P 89-93.**
4. Lakshmi.S and A.Venkatesh "Conditional and marginal regression models for the effect of dopamine on human retinal vessel diameter**", Bio-science Research Bulletin.Vol.23(No.2)2007:P 113-117.**
5. Lakshmi.S and P.Senthilkumar "Stochastic model for cortisol secretion of asthmatic children due to stress **", RdE series,2008.**
6. Lakshmi.S and R.Punithavathi, The steady state and the transient behaviour of the model of effects of ranitidine on hypersecretion of acid ,**Acta ciencia Indica , Vol XXXIV M, No.3, 1081(2008).**
7. Lakshmi.S and A.Venkatesh "Multivariate Weibull – Inverse Gaussian distribution model or the effect of stress on extra cellular Dopamine level", **Pure and applied Mathematical Sciences, 2008.**
8. Lakshmi.S and Shanmugapriya, Mathematical model for the corticosteroid feedback effects on ACTH secretion in hypoadrenocorticism, **ACTA Ciencia Indica, Vol.XXXIV M 2008 No.4.**
9. Shanmugapriya S and Lakshmi.S " Stochastic Model for Endocrine stress responses in chronic fatigue syndrome **" BioScience Research Bulletin Vol-24,No.2,2008, P:63-67.**
10. Lakshmi.S and Shanmugapriya.S , "Stochastic model for Atypical Antipsychotics under ACTH secretion in healthy subjects" **Antartica Journal of Mathematics, ajm / 111**
11. Lakshmi.S and A.Venkatesh, "A total down time distribution model for the release of Dopamine induced by Methamphetamine ", **Acta ciencia India XXXIV M 2008 No.4.**
12. Lakshmi.S.and T.Geetha.., " Mathematical model for cardiac reactivity to unpleasant pictures due to emotion ", **J. RdE Series, paper no.104/07 (2007)**
13. Geetha.T and Lakshmi.S., " Cumulative damage model with quick recoupment at failure due to gender differences in diurnal growth hormone and epinephrine values during ambulation " **Acta Ciencia India XXXIV M 2008 No.4.**

14. Geetha.T and Lakshmi.S., "A Stochastic model to find the cost-rate interms of adrenalin and noradrenalin level due to human stress". **Pure Appl.Math. Sci., (No.PAMS/I/2457/04/08/244/3904) (2008)**

15. Lakshmi.S and P.Senthilkumar "Stochastic model for cotisol secretion of Cancer due to stress with persistent fatigue", **" BioScience Research Bulletin Vol – 24 N0.2 , 2008P:101-106.**

16. A.Ramesh Kumar and S. Lakshmi " A Stochastic model for the growth rate of 5-HT level due to human stress " **,BioScience Research Bulletin V0l.24, (No.2) PP:79-84.**

17. S.Lakshmi and T.Geetha , " Cumulative Damage Model with quick recoupment at failure due to stress effect **, Bulletin of Pure and Applied Sciences Vol- 27E (No.2), 2008, P: 341-347.**

18. S.Lakshmi and M.Anusuya Stochastic Clearing System for Nicotine Self AdministrationDifferentially Regularts Corticotropin - Releasing Factor and Arginine Vasopressin Due to Stress **International Journal of Engineering Research and Applicant (IJERA) ISO : 3297 :2007**

19. Lakshmi.S and P.Senthilkumar "Stochastic model for cortisol secretion of asthmatic children due to stress **", RdE series,2008.**

20. Lakshmi.S and R.Punithavathi, The steady state and the transient behaviour of the model of effects of ranitidine on hypersecretion of acid ,**Acta ciencia Indica , Vol XXXIV M, No.3, 1081(2008).**

21. Lakshmi.S and A.Venkatesh "Stochastic model for the secretion of Dopamine due to stress leading to Schizophrenia, **Journal of IndianAcademy of Mathematics, Vol.31 No.1, 2009.**

22. Lakshmi.S and A.Venkatesh "Multivariate Weibull – Inverse Gaussian distribution model or the effect of stress on extra cellular Dopamine level", **Pure and applied Mathematical Sciences, 2008.**

23. Lakshmi.S and Uma.S., Stochastic model for finding the bounds of the threshold level to reach the disease Insomnia**, Reflections des ERA Vol.3, issue4,November,2008**.

24. Lakshmi.S and Shanmugapriya , Mathematical model for successful long term treatment of Refractory Cushing's disease , **Reflections des ERA Vol.3, issue3,August 2008.**

25. Lakshmi.S and Shanmugapriya, Mathematical model for the corticosteroid feedback effects on ACTH secretion in hypoadrenocorticism, **ACTA Ciencia Indica, Vol.XXXIV M 2008 No.4.**

26. Shanmugapriya S and Lakshmi.S " Stochastic Model for Endocrine stress responses in chronic fatigue syndrome **" BioScience Research Bulletin Vol-24,No.2,2008, P:63-67.**

27. Lakshmi.S and Shanmugapriya.S , "Stochastic model for Atypical Antipsychotics under ACTH secretion in healthy subjects" **Antartica Journal of Mathematics, ajm / 111 Paper accepted.**

28. Lakshmi.S and A.Venkatesh, "A total down time distribution model for the release of Dopamine induced by Methamphetamine ", **Acta ciencia India XXXIV M 2008 No.4.**

29. Geetha.T and Lakshmi.S., " Cumulative damage model with quick recoupment at failure due to gender differences in diurnal growth hormone and epinephrine values during ambulation " **Acta Ciencia India XXXIV M 2008 No.4.**

30. Geetha.T and Lakshmi.S., "A Stochastic model to find the cost-rate interms of adrenalin and noradrenalin level due to human stress". **Pure Appl.Math. Sci., (No.PAMS/I/2457/04/08/244/3904) (2008)**

31. Lakshmi.S and P.Senthilkumar "Stochastic model for cotisol secretion of Cancer due to stress with persistent fatigue", **" BioScience Research Bulletin Vol – 24 N0.2 , 2008P:101-106.**

32. A.Ramesh Kumar and S. Lakshmi " A Stochastic model for the growth rate of 5-HT level due to human stress " **,BioScience Research BulletinV0l.24, (No.2) PP:79-84.**

33. S.Lakshmi and T.Geetha , " Cumulative Damage Model with quick recoupment at failure due to stress effect **, Bulletin of Pure and Applied Sciences Vol- 27E (No.2), 2008, P: 341-347.**

34. T.Geetha and S.Lakshmi , " Stochastic model for epinephrine secretion due to human stress and self recovery" **Antartica Journal of Mathematics,** Vol.6 , 2009.

35. A.Rameshkumar and S.Lakshmi , " The survival function by using NBU distribution for the effect acute administration on extra cellular 5- HT levels ", **Antartica Journal of Mathematics,**Vol.6 , 2009.

36. A.Venkatesh andS.Lakshmi, " A shock model approach for stress induced dopamine in the medial prefrontal cortex ", **Antartica Journal of Mathematics,**Vol.6 , 2009.

37. S.Lakshmi and R.Punithavathi , " Estimating the critical time of the Inverse Gaussian hazard rate used by Newton- Raphson method for hypothalamic system by Leptin ", **Antartica Journal of Mathematics,**Vol.6 , 2009.

38. S. Lakshmi and P. Senthil Kumar, " Stochastic Model for Resilience analysis due to smoking and control", **Bio Science Research Bulletin Vol. 25 (No. 1) 2009 P 1-7**

39. A. Venkatesh and S. Lakshmi, " A Cumulative Damage and threshold crossing model for the effect of stress on Dopamine levels in Cortical levels", **Bio Science Research Bulletin Vol.25 (No.1), 2009 P 66.**

40. S. Lakshmi and S. Shunmugapriya, "Weibull model in the MPFC to regulate HPA activity of stress experience", **Bio Science Research Bulletin Vol.25 (No.1) 2009 P 1-9.**

41. A. Ramesh Kumar and S. Lakshmi, "The EN model for 5-HT_{2C} against mcpp on blood pressure and heart rate in rats", **Bio Science Research Bulletin, Vol.25 (No.1) 2009.**

42. A. Ramesh Kumar and S.Lakshmi, "A Stochastic model for the Dissociative effect of cocaine on serotonin", **Acta Ciencia Indica ,Vol.XXXV M.No.3,851 (2009)**

43. S.Uma and S.Lakshmi, "Stochastic model for finding the first time failure due to Cortisol measures of the patient with functional Gastrointestinal Disorders", **Bulletin of Pure & Applied Sciences**, PP.127-132 (An International Research Journal of Mathematics and Statistics)

44. S.Lakshmi and G.Tamilselvi, "Stochastic model for the expected time to cross constant combined threshold level of adrenaline and Nor adrenaline for the stimulation of anion secretion by β - adrenoceptors in the mouse endometrial epithelium", **Bio Science Research Bulletin, Vol.**

45. S. Lakshmi and B. Geetharani, "M/M/1/N Queuing model for the secretion of DHEA due to human stress", **Bio Science Research Bulletin, Vol.26, Issue No.2, 2010, PP: 123-129.**

46. .S. Lakshmi and B. Geetharani, " Discrete inverse Weibull used for the function of Hazard rate due to secretion of DHEA of HIV infected subjects", **Pure & Applied Mathematica Sciences, Accepted**

47. S. Lakshmi and I. Christy Raj, "Optimum times for step-stress cumulative exposure model using log-logistic distribution for loss of glucocorticoid fast feedback in depression", **International Journal of Applied Mathematics and Statistics**, Accepted.

48. .S.Lakshmi and S.Pamela, " Mathematical performance of parameter estimation in step-stress accelerated life-test for MDD & PTSD human subjects" , accepted

49. S.Uma and S.Lakshmi, "Stochastic Model for finding the first time failure due to cortisol measures of the patients with functional gastrointestinal disorders", **Bulletin of Pure and Applied Sciences,Vol.-28-E,No.,1(JanJune),2009.**

50. T.Geetha and S.Lakshmi , " Stochastic model for epinephrine secretion due to human stress and self recovery" **Antartica Journal of Mathematics,** Vol.6 , 2009.

51. A.Rameshkumar and S.Lakshmi **,** " The survival function by using NBU distribution for the effect acute administration on extra cellular 5- HT levels ", **Antartica Journal of Mathematics,**Vol.6 , 2009.

52. A.Venkatesh and S.Lakshmi, " A shock model approach for stress induced dopamine in the medial prefrontal cortex ", **Antartica Journal of Mathematics,**Vol.6 , 2009.

53. S.Lakshmi and R.Punithavathi , " Estimating the critical time of the Inverse Gaussian hazard rate used by Newton- Raphson method for hypothalamic system by Leptin ", **Antartica Journal of Mathematics,** Vol.6 , 2009.

54. S. Lakshmi and P. Senthil Kumar, " Stochastic Model for Resilience analysis due to smoking and control", **Bio Science Research Bulletin Vol. 25 (No. 1) 2009 P 1-7**

55. A. Venkatesh and S. Lakshmi, " A Cumulative Damage and threshold crossing model for the effect of stress on Dopamine levels in Cortical levels", **Bio Science Research Bulletin Vol.25 (No.1), 2009 P 66.**

56. S. Lakshmi and S. Shunmugapriya, "Weibull model in the MPFC to regulate HPA activity of stress experience", **Bio Science Research Bulletin Vol.25 (No.1) 2009 P 1-9.**

57. A. Ramesh Kumar and S. Lakshmi, "The EN model for 5-HT_{2C} against mcpp on blood pressure and heart rate in rats", **Bio Science Research Bulletin, Vol.25 (No.1) 2009.**

58. A.Venkatesh and S.Lakshmi, "A Cumulative Damage Model for Stress- Induced increase in Dopamine concentration in Brain Regions", **Allied Publishers Pvt.Ltd., P 244-248, July 2009.**

59. S. Lakshmi and S. Uma, "A Stochastic model for the mean level of Plasma Nicotine subject to high nicotine cigarette smoking", **Allied Publishers Pvt. Ltd., P 264-267, July 2009.**

60. A. Ramesh Kumar and S.Lakshmi, " Mathematical modelling to the analysis MF Stress Wave Propagation using a Discrete Particle approach", **Allied Publishers Pvt. Ltd., P 268-270, July 2009.**

61. I. Christy Raj and S.Lakshmi, "Mathematical model in Bio Physical aspects of cancer – Electromagnetic mechanism", **Allied Publishers Pvt. Ltd., P 271-273, July 2009.**

62. P.Senthil Kumar and S.Lakshmi, "Stochastic model for Carousel System Performance in Cortisol", **Allied Publishers Pvt. Ltd., P 286-289, July 2009.**

63. S.Lakshmi and R.Punithavathi, "A note on stochastic survival models for involvement of the Histaminergic System in Renal Sympathetic and Cardiovascular responses", **Allied Publishers Pvt. Ltd., P 290-294, July 2009.**

64. S.Shunmughapriya and S.Lakshmi, "A Stochastic model of Bathtub Failure Rate for Adreno Cortical activity in the Post-natal Period", **Allied Publishers Pvt. Ltd., P 295-298, July 2009.**

65. S.Pamila and S.Lakshmi "Hazard Rate Average of Function using Stock Modals", **Narosa Publication House, New Delhi, 2010.**

66. P.Senthil Kumar and S.Lakshmi "Stochastic Model for the Cost of Adoptation due to Acute Stress, in terms of Cortisol", Narosa Publication House, New Delhi, 2010.

67. A.Venkatesh and S.Lakshmi " A Bivariate Survival Model for the effect of Stress on Dopomine Levels", **Narosa Publication House, New Delhi, 2010.**

68. S.Lakshmi and T.Geetha, 'Mathematical Model for the secretion of Epinephrine Level during the period of Overtime", **Narosa Publication House, New Delhi, 2010**.

69. S.Lakshmi and R.Punithavathi, "A New Shock Model Locomotor Activity due to Lacking Histamine H1 Receptor", **Narosa Publication House, New Delhi, 2010.**

70. S.Shanmugha Priya and S.Lakshmi, " Time Course of HPA axis during treatment with Reboxeting and Mitrazapime by Mixed of Two Evil Distribution", **Narosa Publication House, New Delhi, 2010.**

71. S.Uma and S.Lakshmi. " A Stochastic Model to find Adaptation Time of Stress subject to the changes in Epinephrine", **Narosa Publication House, New Delhi, 2010.**

72. S.Lakshmi and A.Ramesh Kumar, " The Mathematical Model for the Role of 5 – HT 1A Receptors in the Behavioural Responses Associated with Innate Fear",
Narosa Publication House, New Delhi, 2010.

73. I.Christy Raj and S.Lakshmi, "Weibull Inverse Power Law Model for Stress induced Dopomine", **Narosa Publication House, New Delhi, 2010.**

74. B.Geetharani and S.Lakshmi, "Life Distributions", Narosa Publication House, New Delhi, 2010.

75. K.Anbu and S.Lakshmi, " Impact of Ekalux (Auiinalphos, 25%) on the Blood Serum Emzyme of Fresh Water Fish Oreochromis Mossabicus(Peters)", **Narosa Publication House, New Delhi, 2010.**

76. S.Lakshmi and P.Gomathisundari, " A Mathematical Model in Physiological Behavioural Science", **Narosa Publication House, New Delhi, 2010.**

77. A. Ramesh Kumar and S.Lakshmi, "A Stochastic model for the Dissociative effect of cocaine on serotonin", **Acta Ciencia Indica ,Vol.XXXV M.No.3,851 (2009)**

78. S.Uma and S.Lakshmi, "A Stochastic model using Gamma process to investigate the response of the HPA axis to alcohol and stress", **Arya Bhatta Journal of Mathematics, Vol 1, No.1 Jan – June 2010.**

79. S. Uma and S. Lakshmi, "A Stochastic model for the estimation of time to adaptation of stress subject to adrenal catecholamies",. **An international Journal of Pure and applied mathematica sciences, Vol.LXXI, No.1-2, March 2010, pp**87-94

80. S.Lakshmi and A.Rameshkumar, "A review of central 5-HT receptors and their function in a Stochastic human service system", **Arya Bhatta Journal of Mathematics & Informatics, Vol.2, No.1, Jan-June, 2010**

81. S.Uma and S.Lakshmi, "Stochastic model for finding the first time failure due to Cortisol measures of the patient with functional Gastrointestinal Disorders", **Bulletin of Pure & Applied Sciences**, PP.127-132 (An International Research Journal of Mathematics and Statistics)

82. S.Uma and S. Lakshmi, "A stochastic model using gamma process to estimate the gender differences in age – related changes in HPA axis reactivity", **Bio Science Research Bulletin, Vol.26, Issue No.1, 2010, PP: 25-30**

83. S. Lakshmi and S.Alamelu, "A mathematical model for the activation of HPA axis for the effects of cigarette smoking", **International Journal of Mathematical Sciences, Vol. 10, No. 1-2, January-June 2010, pp. 111-118**

84. S. Lakshmi and I. Christy Raj, "A Mathematical model for the secretion of Glucocorticoid due to human stress", **Bio Science Research Bulletin, Vol.26, Issue No.1, 2010**

85. S.Lakshmi and S.Pamela, "A Mathematical noncumulative damage model for the secretion of

Glutamate and Dopamine due to the stress effect in terms of Ketamine" **Bioscience Research Bulletin , Vol.26 (no.2)2010:P.89-97.4, July-Dec.2011.**

86. Lakshmi.S and Shanmugapriya.S , "Stochastic model for Atypical Antipsychotics under ACTH secretion in healthy subjects" **Antartica Journal of Mathematics, ajm / 111 Paper accepted.**

87. Lakshmi.S and A.Venkatesh, "A total down time distribution model for the release of Dopamine induced by Methamphetamine ", **Acta ciencia, Paper accepted**.

88. A.Ramesh Kumar and S. Lakshmi " A Stochastic model for the growth rate of 5-HT level due to human stress " **,BioScience Research Bulletin V0l.24, (No.2) PP:79-84.**

89. S.Pamila and S.Lakshmi "Hazard Rate Average of Function using Stock Modals", **Narosa Publication House, New Delhi, 2010.**

90. P.Senthil Kumar and S.Lakshmi "Stochastic Model for the Cost of Adoptation due to Acute Stress, in terms of Cortisol", Narosa Publication House, New Delhi, 2010.

91. A.Venkatesh and S.Lakshmi " A Bivariate Survival Model for the effect of Stress on Dopomine Levels", **Narosa Publication House, New Delhi, 2010.**

92. S.Lakshmi and T.Geetha, 'Mathematical Model for the secretion of Epinephrine Level during the period of Overtime", **Narosa Publication House, New Delhi, 2010**.

93. S.Lakshmi and R.Punithavathi, "A New Shock Model Locomotor Activity due to Lacking Histamine H1 Receptor", **Narosa Publication House, New Delhi, 2010.**

94. S.Shanmugha Priya and S.Lakshmi, " Time Course of HPA axis during treatment with Reboxeting and Mitrazapime by Mixed of Two Evil Distribution", **Narosa Publication House, New Delhi, 2010.**

95. S.Uma and S.Lakshmi. " A Stochastic Model to find Adaptation Time of Stress subject to the changes in Epinephrine", **Narosa Publication House, New Delhi, 2010.**

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