

## **Prof. A. S. Talawar**

Department of Studies in Statistics,  
Karnatak University, Dharwad  
Karnataka State.

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Qualifications: **M. Sc., M. Phil., Ph. D. in Statistics**

Teaching Experience:

- a. Guest Faculty, Kuvempu University Shimoga  
(PG Department of Statistics, PG Centre, Davangere): 1993 -95.
- b. Asst. Prof., University of Agril. Sciences, Dharwad(UAS  
Campus, Raichur): 1995-2003.
- c. Asst. Prof. (Sr), PG Dept of Statistics, Karnatak University, Dharwad : 2001-06.
- d. Reader/Assoc. Prof., PG Dept of Statistics, Karnatak University, Dharwad:2006-12.
- e. Professor, Dept of Studies in Statistics, Karnatak University, Dharwad : since July  
2012

Area of Research: **Demography, Stochastic Epidemiology, Actuarial Statistics**

Publications: **41**

- ❖ National: **08**
- ❖ International:**33**

Citations: 42, h-index 3, i10-index 2

Seminars Organized: **03**

Training Programme Organized: **01** (Two weeks capacity building programme for Social  
Science faculty), 2013 , Amount received 5.50 lakhs from ICSSR, New Delhi.

Chapters in books: **Three (Social Statistics)**

Conference Attended/ Papers presented/ Invited Talks given: **Twenty one**

Ph. D. Guidance (Awarded): **Five (2015, 2016, 2017, 2020 & 2021)**

(Working): **Two**

Thesis Evaluated (Other Universities): **Eight**

Life Member: **Journal of Farm Sciences, IJASS, ASR, ISPS and IASP.**

*Administrative and Other Assignments:*

- ❖ Chairman of the department: **2017-19**
- ❖ Nodal Officer of University Information Cell : **Nov, 2011 to April, 2017.**

Achievements as **Nodal Officer**

- Established University Information Cell in **2013**
- Prepared University Annual Report (**2011-12, 2012-13, 2013-14, 2014-15, 2015-16**) and submitted to Upper house and Lower house in time
- Uploaded DCF-I in time (**2010-17**)
- Achieved 100% DCF-II uploading (**2010-11 (93%), 2011-12, 2012-13, 2013-14, 2014-15 and 2015-16**)
- Worked in implementing **Direct Cash Transfer (2011-14)**
- Worked in implementing **SAKAAL Mission (2013 -2015)**
- ❖ **Vice President** of PG Gymkhana, KUD for **two times (2008-09 & 2012-13)**
- ❖ **President** of PG Gymkhana, KUD **2018-19**
- ❖ Executive Committee Member of Karnatak University PG Teachers Association (KUPGTA) for **eight years (2009-11, 2011-13, 2013-15 & 2015-17)**
- ❖ Treasurer of KUPGTA for **five years (2011-13, 2013-15 & 2015-16)**
- ❖ Member of BOS and Chairman & member of BOE in Statistics of KUD
- ❖ Member of BOE of other Karnataka State Universities.
- ❖ Co-ordinator of UGC-DRS SAP-I (**2013-17**)
- ❖ Convener for **three** Two-day UGC Sponsored National Seminars (**2013, 2015 and 2017**)
- ❖ Course Director for ICSSR Sponsored **Two Weeks** Capacity Building Programme to the faculty of Social Sciences, (**15-28, July 2013**)
- ❖ Worked as a member in **NAAC, AAA, RUSA, LIC**
- ❖ Worked as member in various sub-committees during **Convocation, Youth festival, Student's feedback, SET/NET exams, Seminars/Conferences, Workshops** etc.
- ❖ **Chairman**, Department of Statistics, K U Dharwad 2017-19
- ❖ **Chairman**, UG and PG BOS in Statistics, KU Dharwad, 2017-19
- ❖ **Chairman**, UG and PG BOS in Statistics, Mangalore University, Mangaluru, 2019-21.

**List of Publications:**

1. Mallappa and Talawar, A. S. (2022). **Calculation of Optimum Premium Values. Advances and Applications In Mathematical Sciences** (Issn 0974-6803), accepted for publication.
2. Mallappa, Talawar, A. S. and Rajani, P. A. (2021). **Premium Calculations for Compartmental Model using Discrete Analogues of Continuous Loss Distributions. International Journal of Scientific Research (IJSR), Vol. 10 (2).**
3. Rajani P.A., Talawar, A.S. and Mallappa (2021). **Some Applications of**

**Mortality Modelling for Premiums and Annuities.** *International J of Agricultural and Statistical Sciences (IJASS)*, Vol. 17, No. 1.

4. Rajani P.A. and Talawar, A.S. (2020). "Modification To The Lee -Carter (L-C) Model: An Application To Age -Specific Mortality Of South India ", *international journal of research and analytical reviews (IJRAR)*, e-issn 2348-1269, p- issn 2349-5138, volume.7, issue 4, page no pp.570-583, October 2020, available at : <http://www.ijrar.org/ijrar2aa1219.pdf>
5. Rajani, P. A. and Talawar, A. S. (2020). **Stochastic Differential Equation: An Application to Mortality Data**, *International Journal of Research - Granthaalayah*, June 2020, Vol 8 (06), 229 – 235, 405-415. ISSN - 2350-0530(O), ISSN - 2394- 3629(P). DOI: <https://doi.org/10.29121/granthaalayah.v8.i6.2020.538>.
6. **Talawar, A. S. and Rajani, P. A. (2020). Novel Corona Virus Pandemic Disease (Covid-19): Some Applications to South Asian Countries.** *International Journal of Research and Analytical Reviews (IJRAR)* , 7(2), 905-912.
7. **Talawar, A. S. and Rajani, P. A. (2020). Novel Corona Virus Pandemic Disease (COVID -19): An Application of SEIR Epidemic Model .** *International Journal of Research and Analytical Reviews (IJRAR)* , 7(2), 390-404.
8. **Talawar, A. S. and Rajani, P. A. (2020). Mortality Analysis In Heterogeneous Populations.** *International Journal of Applied Mathematics & Statistical Sciences (IJAMSS)* ISSN (P): 2319-3972; ISSN (E): 2319-3980, Vol. 9, Issue 2, Feb–Mar 2020; 9-20, NAAS rating 3.54
9. Mallappa and A S Talawar (2020). **Premium Calculation for Different Loss Discrete Analogues of Continuous Distributions Using Utility Theory .** *International J of Agricultural and Statistical Sciences (IJASS)*, Vol. 16, No. 1, pp. 61-72, ISSN : 0973-1903. NAAS rating 5.13
10. **Talawar, A.S. and Rajani P. Agadi. (2019). “ Fitting Of Age -Specific Mortality ” .** *International Journal of Research - Granthaalayah*, 7(7), 405-415. <https://doi.org/10.5281/zenodo.3365368>. ISSN - 2350-0530(O), ISSN - 2394- 3629(P) DOI: 10.5281/zenodo.3365368
11. Mallappa and A S Talawar (2019) "Stochastic Optimal Control of Investment Policy". *International J of Agricultural and Statistical Sciences (IJASS)*, Vol. 15, No. 2, pp. 397-404, ISSN : 0973-1903. NAAS rating 5.13
12. Mallappa and A S Talawar (2019). “ **Determination of Premiums for Different Discrete Analogues of Continuous Loss Distributions** ”. *IOSR Journal of Economics and Finance (IOSR-JEF)* e-ISSN: 2321-5933, p-ISSN: 2321- 5925. Volume 10, Issue 4 Ser. I (Jul. – Aug 2019), PP 49-56.
13. **Talawar A.S. and Aundhakar U. R. (2018) “ Recurrent Epidemic Modeling Using MCMC Methods ”.** *International J of Agricultural and Statistical Sciences(IJASS)*, Vol. 14, No. 1, pp. 397-404, ISSN : 0973-1903. NAAS rating 5.13

14. Talawar A. S. and Pujar H. S. (2018). " **Modelling the Epidemiology of Dengue with Loss of Immunity** ". *International Journal of Applied Mathematics & Statistical Sciences* (IJAMSS) ISSN(P): 2319 -3972; ISSN(E): 2319 - 3980 **Vol. 7, Issue 3, Apr -May; 1-14. NAAS rating 3.54**
  
15. Talawar A. S. and Sarvade R. M. (2017). **Modelling of Sex Preference: A Case of Male Preferring Stopping Rule**, *Quest Journals:Journal of Research in Applied Mathematics* Volume 3 ~ Issue 7 (2017) pp: 01 -10, ISSN(Online) : 2394 -0743 ISSN (Print): 2394-0735
  
16. Talawar A.S. and Aundhakar U. R. (2017) " **Chikungunya Epidemic Modelling and Application of MCMC Methods**". *International Journal of Applied Mathematics and Statistical Sciences (IJAMSS)*, Vol. 6, Issue 5, pp9-68. **NAAS rating 3.54**
  
17. Talawar A.S. and Aundhakar U. R. (2017). " **Recurrent Epidemic modeling using MCMC Methods** ". *International J of Agricultural and Statistical Sciences (IJASS)*, Vol.14, No.1. **NAAS rating 5.13.**
  
18. Talawar A.S., Aundhakar U. R. and Mallappa D. (2017). " **Stochastic Modeling of Vector Borne Diseases** ". *International J of Agricultural and Statistical Sciences (IJASS)*, Vol.13, No.2. **NAAS rating 5.13**
  
19. Talawar A. S. and Pujar H. S. (2017): **Assessing the Effects of HIV/AIDS on Demographic Factors**, *IOSR Journal of Humanities and Social Science (IOSR-JHSS)*, Volume 22, Issue 7, Ver. 17 (July) PP 00-00 e-ISSN: 2279-0837, p-ISSN: 2279-0845. **UGC approved**
  
20. Talawar A. S. and Pujar H. S. (2017): **Analysis of Malaria Epidemic Model with constant immigration**, *International J of Agricultural and Statistical Sciences (IJASS)*, Vol.13, No.2. **NAAS rating 5.13**
  
21. Talawar A. S. and Pujar H. S. (2017): **Analysis of Ebola Epidemic Outbreaks in West Africa**, *IOSR Journal of Mathematics (IOSR -JM)* e-ISSN: 2278-5728, p-ISSN: 2319-765X. Volume 13, Issue I Ver. V (Jan.- Feb.), PP 30-40.  
  
[www.iosrjournals.org](http://www.iosrjournals.org)
  
22. A.S. Talawar and U. R. Aundhakar (2016). **Parameter Estimation of SIR Epidemic Model Using MCMC Methods** , *Global Journal of Pure and Applied Mathematics* 12 (2), 1299-1306. **Indexed in the Mathematical Reviews (AMS)**

23. **A.S. Talawar and U. R. Aundhakar (2015).” A Study of Malaria Epidemic model using the effect of lost immunity ”** , *International J. of Science and Research (IJSR)*, Vol.4 , Issue12.
24. **A.S. Talawar and R. M. Sarvade (2014). Correlation co-efficient between two types of children in a family** , *International J. of Science and Research (IJSR)*, Vol.3, Issue 9, pp: 645-49.
25. **A.S. Talawar and R. M. Sarvade (2014). Analysis of cesarean –section births- An application of zero -truncated generalized Poisson regression model** , *Journal of Reliability and Statistical Studies (JRSS)*, Vol.7, Issue 2, pp:139-147. **NAAS rating 4.97**
26. **A.S. Talawar and R. M. Sarvade (2013). Analysis of Fertility of different Countries using Multiple regression model** , *International J. Statistics and Analysis (IJS)*, Vol. 3, No.3, pp: 289-296. RIP
27. **A. S. Talawar and R. M. Sarvade (2012) . “ A Study of Family Planning and Birth Control Devices: A Statistical Regression Analysis ”**, *Global J. Arts and Management* , Vol. 2(4), 258-262. **Rising Research Journal Publications**
28. **A. S. Talawar and H. S. Pujar (2011) “ Epidemiological situation of malaria in irrigated areas: A case study of Raichur district, Karnataka ”**. *Journal of Farm Sciences (Karnataka J. Agric. Sci. )*, 24(2): 198-200. **NAAS rating 4.43**
29. **A.S. Talawar and U. R. Aundhakar (2011). “ Stability analysis of SIS model ”** *Global J. of Engg. and Applied Sciences* , Vol.1 (3), 126-128. **Rising Research Journal Publications**
30. **A.S. Talawar and K S Wali (2010). “ Model of HIV/AIDS Epidemic in Homosexual Population ”**, *Aryabhata J. Mathematics and Informatics* , Vol.2,Issue 2. Indexed in **THOMSON REUTERS RESEARCHERID**
31. **A. S. Talawar and H. S. Pujar (2010). “ An Outbreak of Chikununya Epidemic in South India - Karnataka”**, *International J of Research and Reviews in Applied Sciences (IJRRAS)* 5 (3). **Mathematical Reviews (AMS)**
32. **A. S. Talawar and R. S. Sarvade (2010). “ Waiting Time Distribution of Birth for a preferred sex”**. *International J of Agricultural and Statistical Sciences* , Vol. 6, No.2. **NAAS rating 5.13. UGC approved**
33. **A. S. Talawar (2009). “ Effects of Vaccination on Model of Recurrent Epidemics”** *International J of Agricultural and Statistical Sciences* , Vol.5, No.2. **NAAS rating 5.13 . UGC approved**
34. **A S Talawar and K S Wali (2009). “ Epidemic Model of Intermediate Class with Initial Preventive Measure ”** *International J of Agri cultural and Statistical Sciences*, Vol.5, No.1. **NAAS rating 5.13. UGC approved**
35. **A S Talawar and K S Wali (2008). “ Probability Distributions of Infections ”**, *International J of Agricultural and Statistical Sciences* , Vol.4, No.2, 359-363. **NAAS rating 5.13**

36. **A S Talawar** and **K S Wali** (2008). “ **Demographic and Health Impact of HIV/AIDS: A Statistical Analysis of HIV/AIDS Data of sub-Saharan Africa**”, *International J of Agricultural and Statistical Sciences* (IJASS), Vol.4, No.1. **NAAS rating 5.13**
37. **A S Talawar** (2008). “ **Effects of Initial Preventive Measure and Quarantine Application on Recurrent Epidemic (SIS) Model** ” *International J of Agricultural and Statistical Sciences* , Vol.4, No.2, 501-506. **NAAS rating 5.13**
38. **K.S. Wali** and **A. S. Talawar** (2007). **General SEIR Epidemic Model with Initial Preventive Measure** “, Proceedings of International Conference on Modeling and Simulation, CIT, Coimbatore, 27-29 Aug, 710-715, India.
39. **K. S. Wali** and **A. S. Talawar** (2007). “ **Regression Analysis of HIV/AIDS Data of sub-Saharan Africa**”. *K U Science Journal* , Vol.45-46.
40. **K.S. Wali** and **Appanna Talawar** (2005). “ **Statistical Analysis of Malaria incidences in Raichur District** ”, *Bio – Science Research Bulletin* , Vol. 21
41. **K.S. Wali** and **Appanna Talawar** (2005). “ **Comparison of Fertility Models** ” *Vignyan Ganga, Gulbarga University Science Journal* , Vol. 4.
42. **P.S. Kavi**, **Talawar A.S.** and **M.D. Suranagi** (2001): “**Rainfall Trends at Raichur during last eighty years**” *Journal of Farm Sciences (KJAS)*, Vol,p 14 (3). **NAAS rating 4.42**