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DR. SUTTUR.S.MALINI

Objective

I seek a creative, competitive, and stimulating research & academic environment in which I can develop myself to grow and help establishing a career in science.

Personal Information

Date of birth : 20th July, 1972
Present status : Working as Assistant professor in
Zoology, University of Mysore, Mysore-06

Educational qualification

Sl no	Degree	University	Year	Specialization	Percentage
1	M.Sc.,	Mysore	1993-95	Zoology	74.6% - II Rank
2	B.Ed	Mysore	1997-98	Education	80%
3	Ph.D	Mysore	2007	Human Genetics	

DOCTORAL THESIS TITLE: "Genetic analysis of a few pediatric disorders in Mysore population".

Present Work Profile

- Name of the University:** University of Mysore, Manasagangothri, Mysore - 06
- Designation:** Assistant Professor
- Department:** Department of Studies in Zoology
- Specialization:** Human Genetics, Cytogenetics and Andrology
- No of PhD students at present:** 7 members
- No of M.Phil., students:** Guided one M.Phil., student in the year 2009.

Work Experience & Profile

Total 12 years of teaching experience for post graduate students of Zoology and Genetics

Sl No	Year	Position
1.	1999-2005	Lecturer
2.	2005 till today	Assistant Professor

Conference &Work shop attended

Conference/ Workshop /summer fellowship etc.	Organizers	Duration& Year	Title of the Paper
Seminar in Human Genetics	St. John Medical College, Bangalore	3 rd Feb, 2001	Participant
Frontier Lectures in Biology	Indian Academy of Sciences, Bangalore & Drosophila Stock Centre, DOS in Zoology, Univ. of Mysore	Feb, 2003	Participation
Frontier Lectures in Biology	Indian Academy of Sciences, Bangalore & Drosophila Stock Centre, DOS in Zoology, Univ. of Mysore	Nov, 2003	Participation
XXIX Annual Conference of Indian Society Of Human Genetics.	NIMHANS, Bangalore.	8 th -11 th Jan,2004	Paper presented: Chromosomal analysis of Mental Retardation in Mysore Population.
International Conference of Health Science	JSS Mahavidyapeeta Mysore, Karnataka.	25 th & 26 th Feb, 2005	Paper presented: Inheritance of Taster Trait for Phenylthiocarbamide.
Workshop on Phylogenetic Biology	Unit on Evolution and Genetics, DOS in Zoology, Univ. of Mysore, Mysore	July 2006	Participation
International Conference and Workshop on Genetics: The Basis and Diagnosis of Genetic Disorders.	Sri Ramachandra Medical University, Chennai.	3 rd - 4 th Feb 2007	Paper presented: Possible Risk factors for sex chromosomal aneuploidy in Mysore population
XXXII Annual Conference of Indian Society Of Human Genetics.	Indian Institute Of Chemical Biology, Kolkata India	14 th - 16 th Feb 2007	Paper presented: Possible Risk factors for Down syndrome and sex chromosomal aneuploidy in South Indian Families.
Work shop on Genetic epidemiology and Molecular Genetics	An SI India and SFBR USA	2-22nd April, 2007	Participant
9 th State Level Annual Conference Karnataka Chapter of Anatomist	JSS Medical College Mysore	25-27 May, 2007	Participant
XXXIII Annual Conference of Indian Society Of Human Genetics	Dept of Human Genetics Andhra University	11 th - 13 th Feb, 2008	Paper presented: Rare association of Tuberous Sclerosis with Turner Syndrome and Neurofibromatosis-I
National conference on Drosophila	Department of Zoology, University of Mysore	28 th - 29 th April 2008	Participant
13 th Human Genome meeting Genomics and future medicine	HICC, Hyderabad, India	27- 30 th Sep, 2008	Participant

Symposium on genetics in clinical practice- An update	Manipal University	6 th Sept, 2009	Participant
National conference on recent trends in animal physiology	Department of Zoology, University of Mysore	29 th & 30 th Oct, 2009	Organizer
International workshop on cell cycle regulation	School of Life Sciences University of Hyderabad	10 th to 13 th Dec, 2009	Participant
National seminar on zoology, life processes and nanotechnology	Department of Zoology, University of Goa	8 th to 10 th Feb, 2010	Presented paper
ICEPWCH-2010	Department of Zoology Bangalore University	29 th – 31 st July, 2010	Presented paper
International Conference on Biological Science and Engineering -2010	CAFET Innova technical society	22 nd Aug, 2010	Participation
Indian National Academy of Sciences Fellowship (INSA) -2010	Center for DNA Finger Printing & Diagnostic, Hyderabad	9 th Aug – 8 th Oct, 2010	Summer Project
International Conference on bioremediation and environment management and polar science and technology	Presidency college	28 th - 29 th December 2011	Presented paper
Intellectual property	CIST University of Mysore	25 th march 2011	participation
International conference on effect of Sevier on globalization	University of Puna	7 th -8 th February 2011	Paper presentation Evaluation of hormonal profile among infertile men in Mysore. Cytogenetics screening for chromosomal abnormalities among Indian infertile couples of Mysore, south India. A brief insight on health and nutritional issues among tribal women of India.
International conference of Knowledge in new millennium	University of Mysore	14 th -15 th January 2011	Chairperson
International symposium on challenges in Drug Discovery 16- 17	Karnataka state open university, Mysore.	16 th -17 th February 2011	Paper presentation
Work shop on Clinical research methodology	University of Mysore	21 st – 22 nd December 2011	Paper presentation
National conference on all Indian kannada vaidya sahithya samelana		27-02-2011	chairperson

National symposium on immunology today recent developments in health and diseases	University of Mysore	14 th -15 th November 2011	participation
National conference on 4th national women service congress	Swadeshi Vijnana Andolana	7th -8th November 2011	Paper presentation
Academic session	JSS medical college	24-08-11	Paper presentation
National conference on All Indian Conference on Cytology and Genetics	Bangalore University	Jan 23-25 -12	Paper presentation
National conference on Advances in Zoology and Life Processes	Goa University	February 9-11 th 2012	Paper presentation
National conference on New Frontiers in Animal Science	Kuvempu University	April 9-10 th 2012	Paper presentation

List of Publications

- 1. Suttur. S. Malini** and Nallur B. Ramachandra Influence of advanced age of maternal grandmothers on own syndrome. **BMC Medical genetics**. 7: 4 (8 pages) Feb. 14th on line& open assess (**CIF=2.32**) **2006**
- 2. Suttur. S. Malini**, Smitha Ramegowda and Nallur B. Ramachandra Evolution of PTC taster trait in South Indian Families, **Ind. J. hum. Genet.** **2007;13(1):16-20**
- 3. Suttur S Malini**, Mysore R. Savitha, Balasundaram Krishnamurthy and Nallur **B. Ramachandra** Advanced maternal grandmother age is a risk factor in causing sex chromosomal aneuploidy. **Int. J. Hum. Genet.****2007; 7(4):289-296**
- 4. Suttur. S. Malini** and Nallur B. Ramachandra. Possible risk factors for Down syndrome and sex chromosomal aneuploidy in Mysore, south India. **Ind. J Hum.Genet.** **2007; 13 (3): 102-108**
- 5. Suttur S Malini**, Mysore R. Savitha, Balasundaram Krishnamurthy and Nallur B Ramachandra. A rare association of turner syndrome with neurofibromatosis type I and Tuberous sclerosis **Ind. J. Hum. Genet.** **2009: 15(2): 75-77.**
- 6. Suttur. S. Malini** and Nallur B. Ramachandra “Young mothers produce more chromosomal syndrome babies in Mysore, South India”. **Int. J. Hum. Genet.** **2010: 10(1-3): 105-112.**
- 7. Suttur. S. Malini**, Kavitha P, Vineeth VS , Chaitra PT, Sreenivasa G and Mohsen najafi; Expression of genetic traits among PTC tasters and non tasters in Mysore population, South India. **Intl. J. Bio Sci & Engg.** **2010: 1(4); 216-223**
- 8. Sreenivasa G**, Vineeth VS, Kavitha P, Mohsen Najafi, Ali Reza Shahrjierdi and **Suttur.S.Malini** Evaluation of hormonal profile among infertile men in Mysore, India. The International Conference on the Effect of Sciences on Globalization. **2010.** (Proceeding)
- 9. Suttur.S.Malini**, Usha Dutta, Sharath Kumar C Mohsen Najafi and Sharath Kumar C

Cytogenetic screening for chromosomal abnormalities among infertile couples of Mysore, South India. The International Conference on the Effect of Sciences on Globalization. **2010**. (Proceeding)

10. H.S.Shivaprasad, Chaithra PT and Suttur.S.Malini

11. A Brief Insight on Health and Nutritional Issues among Tribal Women of India. The International Conference on the Effect of Sciences on Globalization. 2010. (Proceeding)

12. Mohesn Najfi, Kavitha P, Sreenivasa G ,Chaitra PT, Vineeth VS and Suttur. S. Malini
Over weight and obese men are more prone to infertility – Myth or Fact?; JPS; 2011; 2(1).

13. Sreenivasa G ,Kavitha P,Chaitra PT, Vineeth VS, Sharath Kumar C and Suttur. S. Malini
Clinical significance of antisperm antibody analysis in evaluating male infertility in South Karnataka; The Bioscan; 2011;6(1);125-128.

14. Kavitha P, Sharath Kumar C and Suttur. S. Malini

Ageing : an invariable check point of fertility in human males – myth or fact?; Biosci.Biotech. Res.Comm; 2010; 3(2);148-153.

15. Sreenivasa G and Suttur. S. Malini

Functional status of sperm in teratozoospermic infertile males of Mysore population, South Karnataka, India; an oxidative stress and hormonal profile approach; World.J.life science and Medical Research; 2011;1(2);37.

16. Kumar C Sharath, G Sreenivasa, PT Chaitra and Suttur. S. Malini

Unraveling the etiologies of bilateral testicular hypoplasia, prostatic calcification and varicocele grade III in azoospermic male. World.J.life science and Medical Research. 2011;1(3);66.

17. Vineeth VS, Mosen Najafi, Sreenivasa G, Sharath Kumar C, Suttur S Malini

Rare association of multiple etiologies in a severe oligoasthenospermic male. Journal of Paramedical Sciences. 2011; 2(2): 27-33.

18. Sreenivasa G, Kavitha P, Shivaprasad HS, Vineeth VS, Chaitra PT, Sharath Kumar C, Mosen Najafi, Suttur. S. Malini

Spermogram and biochemical approach in evaluating male infertility in South India. J of Medicine and Medical Science. 2011; 2(8): 1028-1035.

19. Chaitra PT, Sreenivasa G, Vineeth VS, Kavitha P, Mosen Najafi, Sharath Kumar C, Suttur S Malini

Male factors: An ignored etiology in recurrent pregnancy loss. World.J.life science and Medical Research. 2011;1(4);76.

20. Sharath Kumar C, Rajeshwari S, Ravikumar S, Suttur S Malini

Combined office operative hysteroscopy and Sono-hysterosalpinogography: A new approach in the management of infertile women with bilateral proximal tubal block. World.J.life science and Medical Research. 2011;1(4);94.

21. H.S.Shivaprasad, Kavitha P, Suttur.S.Malini

Phenylthiocarbamide as a genetic marker-A comparative study on taster and nontaster trait. *Int. J. Bio Sci & Engg.* 2011; 2(2); 139-148.

22. Suttur S Malini, Vijaya Kumar Pidugu, Aswin B Dalal and Usha R Dutta
Evaluation of Sex Chromosomal Anomalies In Sperm among Infertile Males by Fluorescent *in situ* Hybridization. *J. Cytol. Genet.* 2011; 12(NS): 77-84.

23. Suttur S Malini, Mysore R. Savitha, and Nallur **B. Ramachandra**
Maternal grandmothers with advanced age reproduction are more likely to have Down syndrome grandchildren. *Journal of Paramedical Sciences.* 2011; 2(3): 8-15.

24. Shivaprasad HS, Gangadhar MR, Komala M and **Suttur S Malini**
Awareness and Significance of Health, Sexual Diseases, Genetic Disorders and Dietetic Issues among Tribal Women of India. *World.J.life science and Medical Research.* 2011;1(5):99.

25. Mohsen Najafi, Azin Yousfi, Sharath Kumar C, **Malini S. S.**
Diminished fertility in men with increased BMI. *Journal of paramedical sciences* 2011; 2(4):42-47.

26. Saraswathi Y S, Mohsen Najafi, Vineeth VS, Kavitha P, **Suttur S. Malini.**
Association of phenylthiocarbamide taste blindness trait with early onset of childhood obesity in Mysore. *Journal of paramedical sciences* 2011; 2(4):6-11.

27. V. S. Vinneth and **Suttur S. Malini.**
A journey on Y chromosome Genes and male infertility. *International journal of human genetics* 2011; 11(4):203-205.

28. P. T. Chaithra, **Suttur S. Malini** and C. Sharath Kumar
An overview of genetic and molecular factor responsible for recurrent pregnancy loss. *International journal of human genetics* 2011; 11(4):217-225.

29. Shivaprasad HS, Gangadhar MR, Komala M and **Suttur S Malini**
An outlook on the health status of tribal population. *Man and Life* 2011; 36(3-4): 165-174.

30. Kavitha P, Sharath Kumar C and **Suttur. S. Malini**
Elucidating the etiologies of periodontitis: A most neglected dental problem in India. *Ind. J. Phys. Anthrop and Hum. Genet.* 2009; 28(1-2)31-41.

31. Chaitra PT, Kavitha P, Sreenivasa G, Vineeth VS, Sharath Kumar C and **Suttur S Malini**
Male etiology as a causative factor in recurrent pregnancy loss. *Int. J. Bio Sci & Engg.* 2011; 2(3): 249-255.

32. Kavitha P, Mohsen Najafi, Shivaprasad HS, Sharath Kumar C and **Suttur. S. Malini**
Does overweight and obesity in men leads to sub fertility or infertility? *Int. J. Bio Sci & Engg.* 2011; 2(3): 256-260.

33. V. S. Vinneth, Sreenivasa, Chaitra PT, Sharath Kumar C and **Suttur. S. Malini**
Role of biochemical markers in evaluating male infertility. *Int. J. Bio Sci & Engg.* 2011; 2(3):277-281.

34. Kavitha P, Vinneth, Chaitra PT, Sreenivasa G, Sharath Kumar C and **Suttur. S. Malini**
-Expression of phenylthiocarbamide nontaster trait and thyroid disorders in Mysore population of South India. *J. Cytol. Genet* 2010;11(NS):87-92.

35. Mohsen Najafi and **Suttur S Malini**

Obesity: An Ignored Risk Factor for sub-fertility and infertility in Men. Int. J. Bio Sci & Engg. 2012; 3(1): 44-52.

36. Shivaprasad HS, Chaitra PT, Kavitha P, and Suttur S Malini

Role of phenylthiocarbamide as a genetic marker in predicting the predisposition of disease trait in humans. J of Nat Sci Bio and Med. 2012; 3(1).43-47.

37. Sreenivasa G, Vinneth VS, Kavitha P and Suttur. S. Malini

Evaluation of acrosome intactness status in male infertility in Mysore, South India. J. of Appd and Basic Med Res.2012; 2(1): 31-33.

38. Sreenivasa G, Kavitha P Vinneth VS, Sharath Kumar C and Suttur. S. Malini

Evaluation of in vitro sperm nuclear chromatin de-condensation among different subgroups of infertile males in Mysore, India. J of Res in Med Sci. 2012; 456-459.

39. Sreenivasa G and Suttur. S. Malini

Evaluation of functional status of spermatozoa among different subgroups of infertile males in South Karnataka. J of Cytol.Genet. 2011; 12(NS) :61-66.

40. Vinneth VS, Suttur. S. Malini, Sreenivasa G and Usha R Dutta

High incidence of sperm dysfunction in a varicocele in infertile man: Case report. Asian Pacific j of Repr. 2012; 61-64.

41. Mohsen Najafi, Sreenivasa G, Mahmad Aarabi, MuraliDhar, Suresh Babu M and Suttur. S. Malini

Seminal malonaldehyde levels and oxidative stress in obese male infertility. J of Phar Res. 2012; 5(7): 3597-3600.

On going projects

1. Molecular analysis of male infertility in males in Mysore population – **UGC Funded**
2. Male factor of recurrent pregnancy loss – A cytogenetic, biochemical & molecular study.
3. The genetic, hormonal and molecular analysis of recurrent pregnancy loss in first trimester
4. Analysis of testis and accessory reproductive organs through TRUS and their role in association with biochemical factors in male infertility.
5. Effect of obesity on fertility rates in males of Mysore population – A genetic and molecular analysis.

On going projects from Funding Agencies

1. Genetic and Biochemical analysis of male infertility in Mysore population.- **UGC – Rs. 11,63,000/-**
2. Analysis of the effect of diadetes on fertility rates in males of Mysore population -**ICMR- Rs. 26, 54, 000/-**
3. Effect of obesity on fertility rates in males of Mysore population- **UGC- Co PI - Rs. 9, 75000/-**

4. Bio-anthropological, Bio-chemical and Bio-ethnic study among tribal population of Western Ghats – **Co PI - Funded by Institute of Excellence, University of Mysore**

Memberships

5. Life member - Indian Science Congress Association (**ISCA**), Kolkata
6. Life member- The Indian Society of Human Genetics(**ISHG**), Hyderabad
7. Member – Family Planning Association (**FPA**), Mysore
8. Member – Mysore Clinical Society (**MCS**), Mysore

Technical Knowledge

Classical Genetics: Handling and maintenance of *Drosophila* flies, knowledge of genetic cross strategies, mutant studies and chromosomal banding techniques in *Drosophila*.

Human Genetics: Pedigree analysis, Human leukocyte culture, Preparation of human chromosome and karyotyping, Fluorescent In-Situ Hybridization (FISH).

Andrology Techniques: Basic semenology techniques, Sperm function tests, Oxidative stress parameters, Ladder assay, COMET assay, Immuno assay.

Bioinformatics: Database querying, BLAST, FASTA, CLUSTAL-W

Molecular Biology Techniques: Isolation of Cellular DNA, Agarose gel electrophoresis, Restriction digestion Ligation, Transformation techniques, PCR, RFLP, RAPD, Isozymes / proteins by PAGE, Spectroscopy techniques.

Chromatography: Paper chromatography, TLC.

Other activities

1. Actively involved in conducting free health camps for public and educating them about genetic disorders, their etiology and management.
2. Educating the urban/rural school and college students about genetic disorders, its etiology and management through seminars and discussions.
3. Communicating articles related to few genetic disorders and infertility in magazines and news paper to create awareness among the publics.