

PROFILE

Name **Dr.B.W.C.SATHIYASEKARAN**
Designation **Dean-Research**
Unit **Research and Development Wing**
Affiliating **Sree Balaji Medical College and Hospital**
Institution **(SBMCH) - BIHER, Chennai-600 044**
Tamil Nadu, India.



E-mail

Contact number

| Details | Google Scholar | Scopus | Web of Science |
|------------------------|----------------|------------|----------------|
| Total citations | | 246 | |
| h-index | | 10 | |
| i10-index | | | |

Total Impact Factor: 41.594

| Education Qualification | | | | |
|-------------------------|--|--------|------|-----------------------|
| S. No | Institute, Place | Degree | Year | Specialization |
| 1. | University of Pennsylvania, Philadelphia, U.S.A. | M.S. | 1994 | Clinical Epidemiology |
| 2. | Madras Medical College | M.D. | 1987 | Community Medicine |
| 3. | Madras Medical College | B.S.Sc | 1978 | - |
| 4. | Stanley Medical College | MBBS. | 1973 | - |

| Academic Experience | | | |
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| S. No | Institute, Place | Designation | Period |
| 1. | SBMCH, Chennai | Dean-Research | Sept, 2021 – Till date |
| 2. | SRIHER, Chennai | Research Professor | Sept, 2020 – Aug, 2021 |
| 3. | SRMC & RI, Chennai | Emeritus Professor, Department of Community Medicine | Sept, 2017 to Aug, 2020 |
| 4. | | Professor, Department of Community Medicine | Apr, 2011 – Aug, 2017 |
| 5. | | Professor & HOD, Department of Community Medicine | Jun, 2004 – Apr, 2011 |
| 6. | | Professor, Department of Community Medicine | Feb, 1998 – Jun, 2004 |

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| 7. | KAP Viswanatham Govt. | Professor, Department of Community Medicine | Oct, 1997 – Feb, 1998 |
| 8. | Madras Medical College Medical College, Tiruchirappalli | Director, Clinical Epidemiology | Aug, 1994 – Oct, 1997 |
| 9. | Institute of Community Medicine, Madras Medical College | Associate Professor | Mar, 1991 - Aug, 1991 & Aug. 1992 to Oct 1997 |
| 10. | Institute of Community Medicine, Madras Medical College | Assistant Professor | Apr, 1987 – Feb, 1991 |
| 11. | Kilpauk Medical College, Madras | Assistant Professor of Social and Preventive Medicine | Apr, 1982 - May 1985 |
| 12. | Stanley Medical College, Madras | Assistant Professor of Social and Preventive Medicine | Aug, 1979 – Apr, 1982 |
| 13. | Thiruvannamalai Municipality | Municipal Health Officer | Jul, 1978 – Jul, 1979 |
| 14. | Chengalpattu Medical College | Assistant Professor of Social and Preventive Medicine | Sept, 1973 – Jun, 1977 |

| Publications –Articles | | IF | Citation |
|------------------------|--|-------|----------|
| 1. | Sathiyasekaran BWC. Accident Trauma - A Descriptive Hospital Study. Journal of Royal Society of Health, London, February 1991; Page 10,11. | - | 33 |
| 2. | Sathiyasekaran BWC. Study of the injured and the injury pattern in Road Traffic Accidents. Indian Journal of Forensic Sciences (Vol5) 1991. | - | 23 |
| 3. | Sathiyasekaran BWC. Population Based Cohort Study of Injuries. INJURY (International Journal of the Care of the Injured). Vol. 27 No.10 pp 695-698, 1996. | 2.586 | 43 |
| 4. | Ravikumar B, Sathiyasekaran BWC, Sivaprakasam P, Shanmugasundaram V, Solomon S, Shirley C. Prevalence of HIV infection among antenatal mothers in Chennai (Madras) India. J. Obstet. Gynecol India. 1999; 49; 61-3. | - | 3 |
| 5. | Sathiyasekaran BWC, Ravikumar B, Bhattacharya Kaushik, Sudhakar MK, Ramasubramanian V, Indira Navamani W. Study of Occupational Exposure to Blood Among Health Care Workers In A Tertiary Care Medical College Hospital. Hospital Today. Indian Journal of Community Medicine. Vol VI No 6 : pp 357-360 June 2001. | - | 106 |
| 6. | Suresh R, Sathiyasekaran BWC, Ramesh Rao K, Thanikachalam S. Periodontitis – A Risk Factor For Coronary Heart Disease. Cardiology Today Vol VI No1 : January – February 2002. | - | - |
| 7. | Sreevidya S, Sathiyasekaran BWC. High Cesarean Rates In Madras | 6.531 | 74 |

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| | (India) – A Population Based Cross Sectional Study. BJOG: an International Journal of Obstetrics and Gynaecology. Vol. 110: February 2003.pp 106-111. | | |
| 8. | Chegu H, Thanikachalam S, Sathiyasekaran BWC, B'Joe B, Vidya Rani M. NCEP ATP-III guidelines versus desirable guidelines for lipids in Indians. Clinical Chemistry (International Journal of Laboratory Medicine and Molecular Diagnostics) Vol. 49, No.6, Supplement, 2003. | 1.138 | - |
| 9. | Vamsi L, Sathiyasekaran BWC, Somasundaram KV. Suresh R. Prevalence of gingival overgrowth among hypertensive patients on calcium channel blockers. Asian Journal of Clinical Cardiology. Vol 7, No.3 January – March 2005. | - | - |
| 10. | Mohamed Ali K, Sathiyasekaran B.W.C. Computer Professionals and Carpal Tunnel Syndrome (CTS). International Journal of Occupational Safety and ergonomics (JOSE). Vol.12 Number 3, 2006. Pages 319 – 325. | - | 96 |
| 11. | Sanchari Datta, G. Abraham, Milly Mathew, H. Somasundaram, T.R.Muralidharan, Asha Moorthy, Sathiyasekaran B.W.C., Nancy Leslie. Correlation of Anemia, Secondary Hyperparathyroidism with Left Ventricular Hypertrophy in Chronic Kidney Disease Patients. JAPI Vol.54, September 2006; Pages 699 –703. | - | 28 |
| 12. | Ponnudurai R, Jayakar J, Sathiyasekaran B.W.C. assessment of mortality and marital status of Schizophrenic patients over a period of 13 years. Indian Journal of Psychiatry 2006;48:84-87. | - | 18 |
| 13. | Uma Maheswari S, Viswanathan S.S, Sathiyasekaran B.W.C, Parvatha Varthini S, Ramaswamy S. Antinoceptive activity of certain dihydroxy flavones. Indian Journal of Pharmaceutical sciences. Nov.-Dec.2006. 749-753. | 0.975 | 24 |
| 14. | Sathiyasekaran B.W.C, Gopal Palani, Ramesh Harihara Iyer, Shanthi Edward, Chithraa Devi Dharmapal, anitha rani, Meriton Stanly, Kannan L, Suresh Varadarajan. Population based study of episiotomy. Sri Ramachandra Journal of Medicine, Nov.2007. 9-15. | - | - |
| 15. | Meriton Stanly, Sathiyasekaran B.W.C, Gopal Palani, Ramesh Harihara Iyer. Population based study of acute diarrhoea among under 5 children in a rural area of South India. Sri Ramachandra Journal of medicine. Aug. 2008. | - | - |
| 16. | Abrar Hussain, Anjana Mohan, Sathiyasekaran BWC. Response to ban on smoking in public places – a cross sectional study. J.Indian Med Assoc. Vol.107, july 2009; 450-52. | - | - |
| 17. | Anitha Rani M, Palani G, BWC Sathiyasekaran. Abuse of elders in old age homes-A study in Chennai. Journal of the Indian Academy of Geriatrics, Vol.5, No.4, December 2009; 5:181-186. | - | - |
| 18. | Shah PB,Meleveedu R, James S, Elayaraja S, Sathiyasekaran BWC. | 9.266 | 1 |

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| | Interventions for treating hospital-acquired pneumonia: An overview of Cochrane systematic reviews. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009370. DOI:10.1002/14651858.CD009370. | | |
| 19. | Shah PB, Meleveedu R, Elayaraja S, James S, Sathiyasekaran BWC. Interventions for treating community-acquired pneumonia: An overview of Cochrane systematic reviews. Cochrane Database of Systematic Reviews 2011, Issue 10. Art. No.: CD009343. DOI:10.1002/14651858. CD009343. | 9.266 | - |
| 20. | Chinnasammi Gandhimathi, Bernard W. C. Sathiyasekaran, Paramasivan T. Perumal and Chellan rose. Nutritional Evaluation, in vitro free radical scavenging and in vivo anti-inflammatory effects of Gisekia pharnaceoides and identification of Kaempferol as nutraceutical agents. British Biotechnology Journal, 1(3): 113-135, 201. | - | 4 |
| 21. | Priscilla Johnson, Kalpana Balakrishnan, Padmavathi Ramaswamy, Santu Ghosh, Muthukumar Sadhasivam, Omprakash Abirami, Bernard W. C. Sathiyasekaran, Kirk R. Smith, Vijayalakshmi Thanasekaraan and Arcot S. Subhashini. Prevalence of chronic obstructive pulmonary disease in rural women of Tamilnadu: implications for refining disease burden assessments attributable to household biomass combustion. Global Health Action 2011, 4:7226. | 2.640 | 83 |
| 22. | Ramya Ananthakrishnan, Anita Jeyaraj, Gopal Palani. B.W.C.Sathiyasekaran. Socioeconomic impact of TB on patients registered within RNTCP and their families in the year 2007 in Chennai, India. Lung India, Vol29, Issue 3, Jul-Sep 2012. | - | 24 |
| 23. | Ramya Ananthakrishnan, Anita Jeyaraj, Gopal Palani. B.W.C.Sathiyasekaran. Care seeking behavior of the TB patients who were registered in an urban Government tuberculosis control in Chennai, Tamilnadu, India. Journal of Clinical and Diagnostic Research (serial online) 2012 August, 6:990-993. | - | - |
| 24. | Anitha Rani M, Palani G, Sathiyasekaran BWC. Social problems of elders in old age homes in Chennai. Journal of The Indian Academy of Geriatrics, 2012;8:101-107. | - | - |
| 25. | Anitha Rani M, Palani G, Sathiyasekaran BWC. Morbidity profile of elders in old age homes in Chennai. National Journal of Community Medicine, Volume 3, Issue 3, July-Sept 2012. | - | - |
| 26. | Ramya Ananthakrishnan, M.Muniyandi, Anita Jeyaraj, Gopal Palani, B.W.C.Sathiyasekaran. Expenditure pattern for TB treatment among patients registered in an urban Government DOTS Program in Chennai city, South India. Tuberculosis Research and Treatment. Volume 2012, Article ID 747924, 1-6. | - | 31 |
| 27. | Vanishree Shriraam, Pankaj B Shah, Anitha Rani M, Palani G, Sathiyasekaran BWC. Postpartum Morbidity and Health Seeking | - | - |

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| | Pattern in a Rural Community in South India – Population based Study. Indian Journal of Maternal and Child Health, Volume 14 (3), 2012. | | |
| 28. | M.Anitha Rani, Vanishree Shriram, Rony Zachariah, Anthony D Harries, Raghupathy Anchala, Diviya Muthukumar and BWC Sathiyasekaran. Does a nutrition programme change the knowledge and practice of healthy diets among high school adolescents in Chennai, India? Health Education Journal Published online 22 October 2012. DOI:10.1177/0017896912461093 | - | 17 |
| 29. | Vanishree Shriram, M.Anitha Rani, B.W.C.Sathiyasekaran, Shriram Mahadevan. Awareness of gestational diabetes mellitus among antenatal women in a primary health center in South India. Indian Journal of Endocrinology and Metabolism /Jan-Feb 2013 / Vol 17/ issue 1. | - | 75 |
| 30. | Rajesh Kumar Konduru, B.W.C.Sathiyasekaran. A study on tobacco use among rural adults. Journal of Evolution of Medical and Dental Sciences. Volume2/ Issue15/April15, 2013:2493-2501. | - | 2 |
| 31. | M Anitha Rani, Sathiyasekaran BWC. Personal hygienic practices of school going adolescents – A cross sectional study in Chennai. Indian Journal of Community Health. Vol.25,No2, April 2013 – June 2013 | - | 7 |
| 32. | M. Anitha Rani, B.W.C.Sathiyasekaran. Behavioural determinants for obesity; A cross sectional study among urban adolescents in India. Journal Prev Med Public Health 2013;46:192-200. | - | 59 |
| 33. | Vanishree Shriram, Shriram Mahadevan, Anitharani M, Selvavinayagam, Sathiyasekaran BWC. National health programs in the field of endocrinology and metabolism – Miles to go. Indian Journal of Endocrinology and Metabolism. Jan-Feb 2014/Vol 18/ issue 1; 7-12. | - | 18 |
| 34. | V.Kumaravel, Vanishree Shriram, M.Anitharani, S.Mahadevan, N.Balamurugan, B.W.C.Sathiyasekaran. Are the current Indian growth charts really representative? Analysis of anthropometric assessment of school children in a South Indian district. Indian Journal of Endocrinology and Metabolism. Jan-Feb 2014/Vol 18/ issue 1; 56-62. | - | 29 |
| 35. | Suresh Ranga Rao, S.Thanikachalam, BWC Sathiyasekaran, Lavu Vamsi, Thodur Madapusi Balaji, Raghunathan Jagannathan. Prevalence and Risk Indicators for Attachments loss in an Urban Population of South India. Oral Health Dent Manag- Vol.13-No1-March 2014. | - | 8 |
| 36. | Rema Ravi, Pankaj Shah, Gopal palani, Shanthi Edward, BWC Sathiyasekaran. Prevalence of menstrual problems among adolescent school girls in rural Tamilnadu. Journal of Pediatric & adolescent Gyneacology (Published online) October 23, 2015. | 1.814 | 12 |
| 37. | Subramaniyan Balasubramaniyan, Vaidyanathan Raghunathan, B.Rajashekhar, B.W.C.Sathiyasekaran, Ropa Nagarajan. Planning community-based interventionfor speech for children with cleft palate | - | 2 |

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| | from rural South India: A needs assessment. Indian Journal of Plastic Surgery. Vol.50 issue3 September-December 2017: 295-301. | | |
| 38. | Ravi R, Shah PB, Edward S, Copal P, Sathiyasekaran BWC. Social impact of menstrual problems among adolescent school girls in rural Tamil Nadu. Int J Adolesc Med Health. Nov.2017. | - | 8 |
| 39. | B.Subramaniyan, Roopa Nagarajan, R. Vaidyanathan, B. Rajashekhar, B.W.C. Sathiyasekaran. Caregivers' perception of speech and language status and related needs in children with cleft lip and palate. International Journal of Pediatric Otorhinolaryngology . Volume108, May 2018, pages 22-25. | 1.675 | 4 |
| 40. | Sivapriya K.R.S, Pankaj B. Shah, Sathiyasekaran B.W.C. Evaluation of visual problems among women IT employees in Chennai. International Journal of Community Medicine and Public Health. 2018 Oct;5(10):4327-4330. | - | 0 |
| 41. | Vanishree Shriram, Pankaj Badamilal Shah, M Anitha Rani, B. W. C. Sathiyasekaran. A community-based study of postpartum depression in rural Southern. Indian Journal of social psychiatry. 2019, : 35:1 : 64-68. | - | 14 |
| 42. | Abirami Omprakash, Archana P kumar, Padmavathi Ramaswamy, BWC Sathiyasekaran, Thyagarajan Ravinder.. Assessment of Knowledge, Attitude, Perceived Barriers towards Research among First Year Undergraduate Medical Students: A Study from Chennai, Tamil Nadu, India. Journal of Clinical and Diagnostic Research. 2019 Nov, Vol-13(11): CC06-CC1066DOI | - | 1 |
| 43. | Archana Prabu Kumar, Abirami Omprakash, Maheshkumar Kuppusamy, Maruthy K.N.Sathiyasekaran B.W.C., Vijayaraghavan P.V. & Padmavathi Ramaswamy. How does cognitive function measured by the reaction time and critical flicker fusion frequency correlate with the academic performance of students?BMC Medical Education volume 20, Article number: 507 (2020) | 2.463 | - |
| 44. | Shah PB, Jeyaseelan L, Soundararajan P, Sathiyasekaran BWC. Comparative Assessment of Glomerular Filtration Rate (GFR) Google APPs and CKD Prepare GFR India Google App. Journal of Pharmaceutical Research International. 2021 Feb 19:63-9. | - | - |
| 45. | Shah PB, Jeyaseelan L, Soundararajan P, Sathiyasekaran BWC. Cognitive interview for developing the instrument for high risk patients with diabetes and hypertension for Chronic Kidney diseases - Instrument about Measurement of Perception, Awareness, Social Support (I am PASS) scale.Medical Science, 2021, 25(108), 374-380 | - | - |
| 46. | Samya Varadarajan, Akila Govindarajan Venguidesvarane, Karthik Narayanan Ramaswamy, Muthukumar Rajamohan, Murugesan Krupa, Sathiyasekaran Bernard Winfred Christadoss. Prevalence of excessive screen time and its association with developmental delay in children aged < 5 years: A population-based cross sectional study in India. PLOS ONE https://doi.org/10.1371/journal.pone.0254102 July 6, 2021 | 3.240 | 1 |

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| 47. | Abirami Omprakash, Archana Prabu Kumar, Maheshkumar Kuppusamy, B. W. C. Sathiyasekaran, Thyagarajan Ravinder, Padmavathi Ramaswamy. Validation of Metacognitive Awareness Inventory from a Private Medical University in India. Journal of Education and Health Promotion Volume 10 September 2021 | - | - |
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Publications Books

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| 1. | Hariprasad Chegu, Thanickachalam S, <u>Sathiyasekaran BWC</u> , B'Joe Baben, Vidyarani M. Novel Risk Factors hs – CRP: It's role in cardiovascular risk assessment in healthy individuals. In: Coronary Artery Disease Risk Promoters, Pathophysiology and Prevention. Editor: Gundu HR Rao. JAYPEE 2005. (ISBN: 9788180614507) |
| 2. | Hariprasad Chegu, Thanickachalam S, <u>Sathiyasekaran BWC</u> , B'Joe Baben, Vidyarani M. Serum lipids and apolipoprotein-B: Need to modify the guidelines to identify Indians at risk for CHD. In: Coronary Artery Disease Risk Promoters, Pathophysiology and Prevention. Editor: Gundu HR Rao. JAYPEE 2005. (ISBN: 9788180614507) |
| 3. | B.W.C.Sathiyasekaran. Clinical agreement. Introduction to Research Methodology and Biostatistics. IJJP Series – 5, 2012. Published by Indian Journal of Practical Pediatrics, 63-70. |

Projects

Sponsored projects

NIL

Consultancy projects

NIL

Patents

NIL

Conference Presentations

| | |
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| 1. | Research Priorities in Non-Communicable Diseases – Plenary session – at India CLEN Annul Conference Chennai 2001. |
| 2. | Treatment Guidelines –Panel presentation at IndiaCLEN Annual Conference at Delhi 1998 |
| 3. | Presented a paper on Environmental Epidemiology at the plenary session at the 42 nd Annual National Conference of the Indian Public Health Association at Madras 1998 |
| 4. | Incidence of Repeat injuries – Secondary analysis presented at IndiaCLEN Annual Conference at Lucknow, 1997 |
| 5. | HIV / AIDS Current status – presented at IndiaCLEN Annual Conference at Trivandrum, 1996. |
| 6. | Population Based cohort study of Injuries – results of 12 Months follow up. Presented at INCLEN XIII Annual International Conference at Victoria Falls, Zimbabwe 1996 |
| 7. | Methods in Human Research – presented at the Association of Physiologists and Pharmacologists of India, Conference at Madras, October 1995. |
| 8. | Community Based Learning Experience for Medical Students – Presented at International Conference on the role of the University in Health Research for Development at Madras, |

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| | 1995 |
| 9. | A Population Based Cohort Study of Injuries – results of six months follow up – Presented at INCLEN XII Annual International Conference at Thailand , 1994. |
| 10. | Evaluation of Symptom Profile in Duodenal Ulcer – Protocol – Poster Presentation at INCLEN XII Annual International Conference at Thailand , 1994 |
| 11. | A Population Based Cohort Study of Injuries - Protocol – Presented at INCLEN XI Annual International Conference at Cairo , 1993 |
| 12. | Accident Trauma –A Cross Sectional Study. Paper presented at the Tamil Nadu Association of Trauma Care, VII Annual Conference 1990 |

| Conference Attended | |
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| 1. | South East Asian Conference on Health Education at Madras –1986 |
| 2. | Indian Public Health Association Annual Conference at Madras – 1988 |
| 3. | India CLEN Annual Conference at Delhi – 1992 |
| 4. | INCLEN International Conference at Cairo – 1993 |
| 5. | India CLEN Annual Conference at Nagpur – 1993 |
| 6. | INCLEN International Conference at Thailand – 1994 |
| 7. | India CLEN Annual Conference at Madras –1994 |
| 8. | International Conference on the Role of University In Health Research for Development at Madras -1995 |
| 9. | India CLEN Annual Conference at Kodaikannal– 1995 |
| 10. | Association of Physiologists and Pharmacologists of India Conference at Madras – 1995 |
| 11. | INCLEN International conference at Victoria Falls, Zimbabwe – 1996 |
| 12. | India CLEN Annual conference at Trivandrum – 1996 |
| 13. | INCLEN International Conference at Penang, Malaysia –1997 |
| 14. | India CLEN Annual Conference at lucknow –1997 |
| 15. | 42 nd Annual National Conference of Indian Public Health Association at Madras –1998 |
| 16. | India CLEN Annual Conference at Delhi – 1998 |
| 17. | India CLEN Annul conference at Chennai 2001. |
| 18. | National workshop on “Ethical Issues In Medical Practice & Research” at Trivandrum – 2002. |
| 19. | India CLEN Annual conference at Trivandrum – 2002 |
| 20. | MDRF – UAB National seminar on diabetes and cardiovascular epidemiology at Chennai – 2003 as resource person. |
| 21. | India CLEN Annual conference at Lucknow – 2003. |
| 22. | INCLEN International conference at Agra, India – 2004. |
| 23. | India CLEN Annual conference at Nagpur, India – 2004 |
| 24. | CITI Conference at Miami, USA , - 2010 |
| 25. | IAPSM Tamilnadu Chapter State Conference at Kanyakumari 2018. |

Other Details

- I have many years of Teaching Experience for the under graduate and post graduate medical students and have guided many postgraduate students in their thesis work.
- Examiner for the M.B.B.S. course (Community Medicine) in Tamil Nadu Dr.M.G.R. Medical University and in other Universities.
- Examiner for the MD Post graduate course in community medicine for Tamil Nadu Dr. M.G.R. Medical University and for Pondicherry University.
- Examiner for the MSc. Course in Epidemiology in the Tamil Nadu Dr. M.G.R. Medical University.
- Guided many PhD candidates and served as examiner for PhD candidates.
- Served as Member, Faculty of Community Health and Social Sciences and History of Medicine, Tamil Nadu Dr. M.G.R. Medical University, Chennai.
- Served in the expert committee for formulating statutory provisions for M.Sc course in Epidemiology for affiliation to Tamil Nadu Dr.M.G.R. Medical University.
- As Principal investigator completed a large scale Cohort study of injuries in Madras with a follow up of 12 months, and earlier have completed a few hospital based studies on injuries.
- Participated in the protocol development for the India Safe project, which is a multi-center study of women and child abuse.
- Participated in Planning the Operation Research Project for reducing Maternal Anemia in Urban Slum Population sponsored by UNICEF.
- Conducted several workshops in Epidemiology for Postgraduate Medical Students and Faculty at Madras Medical College, Chennai and in Sri Ramachandra University
- Served as Director, Clinical Epidemiology Unit, Madras Medical College, Chennai for 3 years which is one of the few such centers in the world.
- Served as Member Secretary Institutional Ethics Committee Sri Ramachandra University.
- Served as Chairman Stem cell committee, Sri Ramachandra University
- Served as Chairman Admission Committee, Sri Ramachandra Institute of Higher

Education and Research (SRIHER), Chennai for PhD candidates.

- Served as Chairman Credential Committee, Sri Ramachandra Institute of Higher Education and Research (SRIHER), Chennai for Medical, Dental and Paramedical faculties.
- Served as President, Indian Association of Preventive and Social Medicine, Tamilnadu Chapter during 2017 to 2019.