

Profile

- Name : **Dr. B. SUNDARAVADIVAZHAGAN**
- Designation/Present position : Professor
- Official Address for communication : Department of Information Technology,
University of Technology and Applied Sciences Al-Musanna,
Mulladdah,
P.O.BOX:191, Postal Code: 314, Sultanate of OMAN
- Email I.D. : **sundaravadi@act.edu.om,bsundaravadivazhagan@gmail.com**
- Mobile No. : **+968 91327571**
- Qualification : **M.E., Ph.D.**
- Discipline/Area of specialization : Wireless networks, MANET, IOT, Cryptography and Network
Security, Cloud computing, Block Chain,
- Teaching Experience : **19 Years 5 Months**
- **October 2013 to till date** Working as a **Professor** in Department of Information Technology of University of Technology and Applied Science-Al Mussanah, Sultanate of Oman
 - **April 2013 to September 2013** Worked as an **Associate Professor** and **HOD** in Department of CSE of CR Engineering College, Madurai, Tamilnadu, India
 - **July 2009 to April 2013** Worked as an **Associate Professor** and **HOD** in Department of Information Technology of N.P.R. College of Engineering & Technology, Natham, Tamilnadu, India
 - **July'2008 to June 2009** Worked as an **Assistant Professor** and **HOD** in Computer Science and Engineering Department of Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram, Tamilnadu, India.
 - **July'2001 to June'2008** Worked as an **Assistant Professor** in CSE Department of Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram, Tamilnadu, India.
- Emeritus professor : Act as a Emeritus Professor in KPR Institute of Engineering and Technology, Coimbatore, India.
- Advisory Board : Act as a Member of Department Advisory Board in Mohammed Sathak Engineering College, Kilakarai .

M.Phil. Candidates guided/awarded : Awarded: 5
Editorial Activity/Journal Reviewer : 10
Number of Publications : 22

Membership : ISTE & CSI

International Conference Chair:

- International Advisory Committee in International E-Conference on Data Analytics, Intelligent systems & Information Security(ICDIIS'20), Dr. Mahalingam College of Engineering and Technology, Pollachi.
- International Advisory Committee in National conference on Emerging trends in sciences emerge 2020, Dr. M. G. R. Educational and Research Institute, Chennai.
- International Advisory Members in International Conference on Clinical 4.0, Health care 4.0, Medical 4.0 & Pharma 4.0(IC2HMP)
- International advisory chair person in 2nd International conference on Advances in communication, Information Technologies (ICISRES), March 7-8, 2019, Bengaluru.
- International Advisory Committee in International conference on Information Sciences and Renewable Energy Sources (ACICT), May 9-10, 2019, Selvam college of Technology, Namakkal.
- International Advisory Committee in International conference on Recent Innovations in Engineering (ICRIE), March 24-2018, Sri Subramanya College of Engineering and Technology, Palani.

Book Published:

- The title of the Book is “**Performance Analysis of Broadcast Schemes in MANET**”, is published in “*LAMBERT Academic Publishing, Germany*”.

Ph.D. Thesis Evaluation:

- Evaluating Ph.D. Thesis of VTU-Karnataka, Bharathiyar, Bharathidasan, Mother Teresa Women's University, VIT Deemed University, and some of the reputed universities.

Journal Editor and Reviewer:

- Reviewer of articles in Microprocessor and Microsystem ISSN: 0141-9331 Online: <https://www.journals.elsevier.com/microprocessors-and-microsystems>.
- Reviewer of articles in Signal, Image Video Processing ISSN: 1863-1711 <https://www.springer.com/journal/11760>.
- Reviewer of articles in International Journal of System Assurance Engineering and Management ISSN: 0976-4348 (Print)ISSN: 0975-6809 Online: <https://www.springer.com/journal/13198>.

- Reviewer of articles in International Journal of current research and review ISSN: 2231-2196 (Print)ISSN: 0975-5241 (Online) <https://www.ijcrr.com/>
- Editorial Board Members in International Journal of Computational Research and Development <http://ijcrd.dvpublication.com>
- Reviewer of articles in International Journal of engineering and Research (IJERT) <https://www.ijert.org> (ISSN 2278-0181)
- Reviewer of articles in Current Medical Imaging Reviews ISSN: 1573-4056 (Print) ISSN: 1875-6603 (Online) <http://bsp-cms.eurekaselect.com>
- Reviewer of articles in International Journal of Information Systems and Change Management(IJISCM).ISSN(Online: 1479-313X,Print: 1479-3121. <http://www.inderscience.com/ijiscm>
- Reviewer of articles in Science Publications <http://thescipub.com/>
- Reviewer of articles in International Journal of Mathematics and Soft Computing <http://www.ijmsc.com>
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International Journals

- The title of the paper is “**An Empirical Analysis of Factors Influencing IoT in Healthcare Environment Applying TAM Model**”, is published in the journal titled “, International Journal of Advanced Science and Technology”, Volume-29 Issues- 7, 5293-5308 APR - 2020, Scopus Approval Journal, E-ISSN: 2005-4238”.
- The title of the paper is “**Performance Analysis of Various Bully Leader Election Algorithms in Multiple Perspectives**”, is published in the journal titled “, International Journal of Advanced Science and Technology”, Volume-29 Issues- 7, 9060-9068 APR - 2020, Scopus Approval Journal, E-ISSN: 2005-4238”.
- The title of the paper is “**Sentiment Analysis of Tweets using Naïve Bayes Algorithm through R Programming**”, is published in the journal titled “International journal of Computer sciences and Engineering”, Volume-6 Issues- 11 Nov - 2018, ICI and UGC Approval Journal, E-ISSN: 2347-2693”.
- The title of the paper is “**Blending Biometric to Generate Symmetric Key for Cryptosystem**”, is published in the journal titled “International journal of Computer sciences and Engineering”, Volume-7 Issues- 4 Sep - 2019, ICI and UGC Approval Journal, E-ISSN: 2347-2693”.
- The title of the paper is “**Revisiting Computer Networking Protocols By Wireless Sniffing On Brain Signal/Image Portals**”, is published in the journal titled “Neural Computing and Applications”, Springer-Verlag London Ltd., part of Springer Nature 2018,<https://doi.org/10.1007/s00521-018-3919-x>,SpringerLondon, **Print ISSN**0941-0643, **Online ISSN**1433-3058.

- The title of the paper is “**Automatic Gait Analysis: A Review**”, is published in the journal titled “Review of Research”, Volume-8 Issues- 1 October - 2018, UGC Approval Journal No. 48514, ISSN: 2249-894X”.
- The title of the paper is “**A Novel Women Chaperone an Anti-Violation Technology**”, is published in the journal titled “*International Journal of Pure and Applied Mathematics*”, vol.116 No.24-Nov-2017, special issues PP:23-33, ISSN1311—8080(printed), ISSN:1344-3395(online).”
- The title of the paper is “**Various Broadcast Discovery Methods for Mobile Adhoc Network: A survey**”, is published in the journal titled “*International Journal of Latest Trends in Engineering & Technology*, vol.8, issues 1 PP:558-565, ISSN2278—621X.”
- The title of the paper is “**A Cluster based Adaptive Broadcasting scheme for overhead reduction in MANET**”, is published in the journal titled “*International Research Journal of Engineering & Technology*, vol.4, issues 1, ISSN2395-0056-0072.”
- The title of the paper is “**A Link State Based Route Discovery for Probabilistic Broadcast Approach to reduce Broadcast storm problem in MANET**”, is published in the journal titled “*Asian Journal of Information Technology*, vol.15, no.2. pp.255-262, ISSN1682-3915.”
- The title of the paper is “**Adaptive Threshold Counter Based Broadcast Scheme for Mobile Ad Hoc Networks in Route Discovery**”, is published in the journal titled “*Asian Journal of Information Technology*, vol.13, no.9. pp. 569-574, ISSN1682-3915.”
- The title of the paper is “**An Effective Counter Based Adaptive Broadcast Scheme for Mobile AdHoc Networks**”, is published in the journal titled “*Middle-East Journal of Scientific Research* vol.22 (1): 147-152, 2014, ISSN 1990-9233”.
- The title of the paper is “**An Novel Optimized Hybrid Probabilistic Counter Based Broadcasting Scheme in MANET**”, is published in the journal title “*Australian Journal of Basic and Applied Sciences*, ISSN 1991-8178”.
- The title of the paper is “**A New Density Based Probabilistic Counter based Scheme for Solving Broadcast Storm in Mobile Ad Hoc Networks**”, is published in the journal titled “*International Information Institute*, vol, 17, no.8, pp.3889-3899, ISSN: 1348-4500.”

Conferences:

- Presented a paper entitled “**Intellectual Property Protection with Block Encryption and Static Water Marking**” in International Conference on ICICNRES-18 on 08 &09.03.18 Conducted by Selvam College of Technology, Namakkal.

- Presented a paper entitled “*Efficient Fuzzy Based Probabilistic Counter Scheme using Adaptive Threshold for MANET*” in International Conference on ICDASDC on 13 &14.10.17 Conducted by K.L.N. College of Information Technology, Madurai.
- Presented a paper entitled “*Java Framework for Cryptography using Skin Color Detection*” in National Conference on Emerging Trends in IT on 21.03.09 Conducted by National College of Engineering, Maruthakulam.
- Presented a paper entitled “*Congestion Minimization by Multipath Selection Using K-Path Routing*” in National Conference on Emerging Trends in Computing Technologies on 19.03.09 and 20.03.09 Conducted by KLNCIT, Madurai.
- Presented a paper entitled “*A Swarm Based Adaptive Inter domain routing arc towards user controls on sequence of providers*” in National Seminar on Bio-Computing on 07.03.09 Conducted by Periyar university, Salem
- Presented a paper entitled “*Multiple authenticated Quantum Cryptography for Channel Distribution*” in National Conference on web and Computer applications (ntwebcap-08) on 07.03.08 Conducted by R.V.S Engineering College, Dindugal.
- Presented a paper entitled “*Multiple authenticated Quantum Cryptography for Channel Distribution*” in National Conference Emerging Trends in IT on 19.01.08 and 20.01.08 Conducted by Mohamed Sathak Engineering College, Kilakarai.

Resource Person:

- Delivered the presentation as a resource person on 22-1-2021 under the topic” IoT Trends, Security Challenges and Solutions”, in International Webinar conducted by Christ Academy Institute for advanced studies, Department of MCA, Bengaluru, India.
- Delivered the presentation as a resource person on 28-11-2020 under the topic” IoT and its Security Challenges”, in International Webinar series conducted by Anna Adarsh College for Women, Chennai, India
- Delivered the Keynote address on 23-09-2020 under the title of the conferences” International Virtual conference on recent trends in science and humanities [ICRTSH 20220]”, Mohammed Satahk AJ College of Engineering, Chennai.
- Delivered the presentation as a resource person on 25-07-2020 under the topic” Research Challenges, Issues and counter measures in IoT Security”, in Webinar series conducted by Kings College of Engineering, Punalkulam, Pudukkottai, India
- Delivered the presentation as a resource person on 19-07-2020 under the topic” Security Challenges of Emerging Technologies”, J.J. College of Arts and Science, in Webinar series conducted by Pudukkottai, India.

- Delivered the Keynote Speaker on 9-05-2019 under the topic “Communication and Computing Technology”, East West Institute of Technology, Bangalore, India.
- Delivered the Guest lecturer on 17.02.2012 under the topic “NETWORKS” at SBM College of Engineering and Technology, Dindigul, India

Webinars:

- Attended the 'Let's Webinar' session titled "Leadership Career in Cyber Security", organized by Majan University College's on 18th August, 2020.
- Attended the three days' webinar on “Latest Technologies” (Cloud Computing, Machine Learning, Artificial Intelligence), organized by Department of Computer Science and Engineering, ATME College of Engineering, Mysore, India, from 09.07.2020 to 11.07.2020.
- Attended the International Webinar training on “Academic Publishing Blueprint and Meeting Publisher Expectations” organized by Jupiter publications consortium, Chennai, India, on 27-06-2020.
- Attended the Webinar on Crypto currency- Blockchain Technology organized by the Department of Computer Science and Engineering, VISTAS in association with Computer Society of India (CSI) on 18-06-2020, VELS University, Chennai, India.
- Attended the Webinar 'Deep Learning and Avoiding Publications in Fake Hijacked or Predatory Journals”, organized by Department of Information Technology, AL Musanna college of Technology, Oman on 01-06-2020.
- Attended One Week National FDP and online training on “**Latex**” Organized by Sanjat Ghodawat University, Kolhapur, India, in association with Spoken Tutorial Project, IIT Bombay (27-04-2020 to 2-05-2020).

Workshops & Seminars

- Attended 2-Days ISTE Workshop on Research Methods In Educational Technology *National Mission on Educational through ICT(MHRD, Govt of India)*
- Attended the Aakash Education project coordinator Programme on 5.11.12 at IIT Bombay.
- Attended the **National Workshop** on “*Network Simulator (NS2)*” 6-4-12 & 7-4-12, conducted by Vellore Institute of Technology, Vellore.
- Attended the **National Level Workshop** on “*An Intelligent Based Wireless Ad Hoc and Sensor Networks and its Applications with Ocean Technology*” 19-8-11 & 20-8-11, conducted by KSR College of Engg and Technology, Tiruchencode.
- Attended the **Seminar** on “*Skilling Students for remunerative careers in IP Infrastructure Management- Opportunities in Managing Wireless LAN Networks*” 8-7-11, conducted by Kalasalingam University, Krishnankoil.

- Attended the **National Level Seminar** on “*Machine Learning & Soft Computing*” 28-12-10, conducted by KLN College of Information Technology, Madurai.
- Attended the **Faculty Development Course** on “*Effective Teaching & Research Methodology*” 15-10-10, conducted by Anna University of Technology Madurai, Madurai.
- Attended the **Workshop** on “*Object Oriented Analysis and Design Using UML with Essentials of Rational Software Architect*” 5-8-10 to 7-8-10, conducted by NPR College of Engineering & Technology, Natham.
- Attended the **Faculty Development Course** on “*Research issues in digital Image Processing*” 21-3-08, conducted by MEPCO Engineering College, Sivakasi.

Roles and Responsibility:

- Research Coordinator.
- General Foundation Programme Coordinator.
- Moderation Committee Member.
- ISACA Chapter –Faculty Membership.
- Aakash Project Coordinator in IIT Bombay.
- CSI & ISTE Membership.
- Conducted DRDO Funded sponsored ship programme
- Programme Coordinator of ICTACT
- Programme Coordinator of YRC & RRC during 2004 to 2009 at Mohamed Sathak Engg college the activities conducted Three Blood donation camps, Free Medical Camps in and around College premises.

Declaration

I hereby declare that the above information given by me is true to the best of my Knowledge.

Yours truly,

(Dr.B.SUNDARAVADIVAZHAGAN)