

Dr. K.Kalpana

w/o Mr.P.Senthilkumar
C 66, Surabhi Illam,
TVS Nagar, Santhanam Road,
Madurai- 625003.
Tamil Nadu, India .
Email Id bharanikalpanaa@gmail.com



91-9944903128

Objective

To take up a challenging career in a reputed concern where I can contribute my teaching and learning skill to the short term and long-term missions of the institutions and improve my skills.

Academic Qualifications**Ph.D**

A.V.V.M Sri Pushpam college, Affiliated to Bharathidasan university Poondi, Thanjavur, Tamil Nadu, India		Commended	2016-2020
---	--	-----------	-----------

M.Phil., A.V.V.M Sri Pushpam college, Affiliated to Bharathidasan university Poondi, Thanjavur, Tamil Nadu, India	74%	First class	2006-2007
--	-----	-------------	-----------

M.Sc., A.V.V.M Sri Pushpam college, Affiliated to Bharathidasan university Poondi, Thanjavur, Tamil Nadu, India	80%	Distinction	2004-2006
--	-----	-------------	-----------

B.Sc., Kunthavai.Naachiyar.Govt.Arts college, Affiliated to Bharathidasan university Thanjavur, Tamil Nadu, India	66%	First class	2001-2004
---	-----	-------------	-----------

HSS Sacred Heart Girls'Hr.Sec school, Thanjavur. Tamil Nadu, India	75%	Distinction	1999-2000
---	-----	-------------	-----------

Academic Projects

M.Phil Project : Structural, optical and electrical properties of spray deposited undoped and Mn Doped Zinc Oxide Thin Film.

Ph.D Thesis : Fabrication of ZnO/g-C₃N₄ nanocomposite film coated stainless steel meshes for cost- effective photocatalytic decomposition of textile dyes

Designation	Institution	Duration
Assistant Professor	PG & Research Department of Physics, Bon Secours College for Women,(Affiliated to Bharathidasan University), NAAC Accredited with 'A++' Grade (2nd cycle), Recognized by UGC under section 2(f) & 12(B), Vilar, Thanjavur – 613 006, Tamil Nadu, India	07.07. 2008 – 30. 04.2019
Assistant Professor	Mannar Thirumalai Naicker College (Autonomous), Pasumalai, Madurai	01.09.2023-till date

Responsibilities

Examination committee member

EVS coordinator

Discipline committee member

Cultural Committee

YRC Coordinator

NSS Programme officer

Additional Contributions

- Served as **examiner** in UG central valuation board, Bharathidasan University, Trichy
- Served as question paper setting in Selvam Arts and Science College (Autonomous), Ponnusamy Nagar, Salem.
- Served as an **External Judge** in the workshop on Microprocessor Architecture and Assembly Language Programming – (WMAALP-2019) organized by the Department of Physics, A.V.V.M Sri Pushpam College, Poondi held on 7th January 2019.
- Organized Special lecture, Career perception programme and National seminar in PG and Research Department of Physics, Bonsecours College for Women, Vilar, Thanjavur.

Publications

1. K. Ravichandran, **K. Kalpana**, R. Uma, E. Sindhuja, K. Shantha seelan, “Cost-effective fabrication of ZnO/g-C₃N₄ composite film coated stainless steel meshes for visible light responsive photocatalysis”, *Materials Research Bulletin*, 99 (2018) 268–280 (Impact factor: 5.3)
2. **K. Kalpana**, K. Ravichandran, E Sindhuja, K. Shantha Seelan, K. Jothivenkatachalam, S. Sriram and C. Dhanraj, Enhancement of photocatalytic dye degradation efficiency of ZnO/Ag film deposited on flexible stainless steel meshes through g-C₃N₄ addition, *Material Research Express*, 6 (2019) 016422 (Impact factor: 2.05)
3. K. Ravichandran, **K. Kalpana**, M. Mohammad Ibrahim, K. Shantha seelan, “Effect of source material of g-C₃N₄ on the photocatalytic activity of ZnO/ g-C₃N₄ thin film coated on stainless steel mesh substrate”, *Materials Today Proceedings*, (2020) 280 (Impact factor: 2.59)

International conferences in which papers are presented

- **International Seminar on “Recent Challenges in Materials Science”**, on 15th July 2017, Organized by **Sree Sevugan Annamalai College, Devakottai, Sivagangai**, Tamil Nadu, India.
- **International conference on “Contemporary Research and Development in Materials”**, 1st March, 2017, Organized by **Bon Secours College for Women, Vilar Bypass, Thanjavur**, Tamil Nadu, India.
- **International Conference on “Materials Physics”** 29th February 2018 Organized by **Bishop Heber College, Tiruchirappalli**, Tamilnadu, India.
- **UGC & TNSCST sponsored International conference on “Recent Advances in Materials”**, 22nd & 23rd March, 2018, Organized by PG & Research Department of Physics, **National College, Tiruchirappalli**, Tamilnadu, India.
- **International conference on “Recent Advances in Materials science”**, 4th & 5th February, 2019, organized by **National College, Tiruchirappalli**, Tamilnadu, India.

National Conferences/Seminars in which papers are presented

- **National Conference on “Recent trends in Science and Green Communication”, 27th December, 2016** Organized by **Kings College of Engineering,, Punalkulam, Thanjavur, Tamil Nadu, India.**
- **National conference on “Recent Development in Nanomaterials and Thin films Research”, 4th & 5th March, 2017.** Organized by **AVVM Sri Pushpam College (A), Poondi,, Thanjavur, Tamil Nadu, India.**
- **3rd National Seminar on “Advanced Oxidation Processes”, 17th & 19th December 2017.** Organized **Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, Tamil Nadu, India.**
- **National Seminar on “Advanced Materials Research”,, 19th January, 2017,** Organized by **Alagappa University, Karaikudi, Tamil Nadu, India.**
- **National Seminar on “Emerging Trends in Materials -18”, 22nd February 2018,** Organized by Department of Physics, **Bon Secours College for Women, Thanjavur, Tamil Nadu, India.**
- **3rd National conference on “Recent Trends in Nanomaterials and Thin films Research” February 9-11 , 2018,** Organized by PG and Research Department of Physics, **AVVM Sri Pushpam College (Autonomous), Poondi-613 503, Thanjavur, Tamil Nadu, India.**
- **UGC sponsored 21st National Seminar on “ Crystal Growth And applications 6-8, March, 2017,** Organized by PG and Research Department of Physics, **National College, Tiruchirappalli, Tamil Nadu, India.**
- **4th National Conference on “Recent Advances In Nanotechnology” 16th & 17th, August 2019.,** Organized by PG and Research Department of Physics, **A.V.V.M Sri Pushpam College (Autonomous), Poondi – 613 503, Thanjavur, Tamil Nadu, India.**
- **National Conference on Semiconductors “Surfaces, Alloys Modeling and Preparations” (SSAMAP - 2019)" 6th December 2019.,** Organized by **Sree Sevugan Annamalai College, Devakottai, Tamil Nadu, India.**

Conferences, Workshops and Seminars Attended

1. **Research Orientation Programme for “Aspirants in Materials Characterization for Device Applications**, 19th & 17th February 2018 Organized by **Bishop Heber College, Tirchy**, Tamil Nadu, India.
2. **UGC sponsored National Seminar on “Recent Trends in Materials Science**, 12th October 2017, Organized by **Rajah Serfoji Government College (Autonomous)**, Thanjavur, Tamil Nadu, India.
3. **International Seminar on “Nano-Materials for Energy and Environmental Applications”**, 30th August 2019, Organized by **Devanga Arts College, Arupukottai**, Tamil Nadu, India.
4. A State level Two days Technical workshop for **Intellectual property rights** on 16.10.2023 & 17.10.2023 organized by Tamilnadu State Council for Science and Technology, Govt. of Tamil Nadu, Chennai - 600025& Mannar Thirumalai Naicker College, Madurai- 625004

Awards Received In Conferences Presentations

- ✦ **Best oral Presentation award** in the **International Seminar on “Recent Challenges in Materials Science” 15th July 2017** organized by Department of Physics, **organized by Sree Sevugan Annamalai College, Devakottai**, Tamil Nadu, India.

Other Training Programmes

- Attended two days workshop on **Research Methodology, Manuscript Writing and Statistical Data Analysis** organised by Internal Quality Assessment cell, **A.V.V.M Sri Pushpam College, Poondi**. Tamil Nadu, India
- Attended a National Seminar on **Best Practices of Top NAAC accredited institution** organized by **Annamalai University, Chidambaram**. Tamil Nadu, India

Online course completion

NPTEL certificate course entitled **“Concept of magnetism and super conductivity”** was completed on Oct 2023.