

Profile

Name : Dr. A. Subalakshmi
Designation : Associate Professor
Date of Birth : 02-05-1980
Address (Residential) : 71/1, w-10, 1st street, Ashok Nagar,
Bodinayakanur-625513.
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Department : Physics
Area of Specialization : Nano science



Academic details:

| S.No. | Program | Branch | University/ College | Month & year of Completion | CGPA/ Percentage/ Class |
|-------|---------|-----------|---|----------------------------|-------------------------|
| 1 | HSC | Bio-Maths | ST Agnes Girls HSS Royappanpatti | May 1997 | I - class (66%%) |
| 2 | Ph.D. | PHYSICS | Thiagarajar College , Madurai | Jaunary -2023 | I - class |
| 3 | M.Phil. | PHYSICS | Alagappa University, Karaikudi. | June -2003 | I - class (74%%) |
| 4 | M.Sc. | PHYSICS | Alagappa arts and science college, Karaikudi. | March -2002 | I - class (76%%) |
| 5 | B.Sc. | PHYSICS | HKRH college, Uthamapalayam | March -2000 | I - class (62%%) |
| 6 | SSLC | General | Government High school, Pannaipuram | November 1995 | I - class (73%%) |

Career Profile:

| S.No. | College | Designation | Type | From | To | Experience |
|-------|----------------------------|---------------------|-----------|------------|------------|--------------------------|
| 1 | CPA College, Bodinayakanur | Associate Professor | Permanent | 01-06-2022 | Present | 2 Years 5 Months 15 Days |
| 2 | CPA College, Bodinayakanur | Assistant Professor | Permanent | 01-06-2009 | 01-06-2022 | 13 Years 3 Days |

Faculty Development Programmes:

1. Refresher Course on "Managing Online Classes & Co- Creating MOOCS", 02/06/2021 - 16/06/2021, Ramanujan College.
2. Refresher Course on "Recent Advances in Physics", 09/12/2020 - 22/12/2020, Madurai kamaraj University.
3. Faculty Development Programme on "Physics of materials", 28/05/2020 - 30/05/2020, Faculty of Engineering and Technology, JAIN University.
4. Refresher Course on "Progresses in Basic Sciences through Interdisciplinary Approach", 09/03/2019 - 29/03/2019, Madurai kamaraj University.
5. Faculty Development Programme on "Enhancing Learning through Innovative Strategies and Digital Technologies", 12/04/2018, CPA College.
6. Orientation Programme on "Orientation course -NSS", 02/01/2018 - 02/07/2018, Avinashilingam University.
7. Refresher Course on "Recent Trends in Environmental studies", 11/03/2016 - 31/03/2016, Madurai kamaraj University.
8. Orientation Programme on "Orientation Programme", 07/02/2014 - 06/03/2014, Madurai kamaraj University.

Award / Fellowship:

| S.No. | Award / Fellowship | Name | Provider | Date |
|--------------|---------------------------|---|-----------------|-------------|
| 1 | Award | Special cash award for Paper research Puplication | The management | 28/04/2023 |
| 2 | Award | Special cash award for Paper research Puplication | The management | 06/08/2022 |

Subjects Handled:

1. Allied Physics-I
2. Allied Physics-II
3. Ancillary Physics Practical -II
4. Ancillary Physics Practical-I
5. Electricity and Electronics
6. Mechanics, Properties of matter and Sound
7. Optics, Spectroscopy and Modern Physics
8. Thermal physics

Publication in Journal:

1. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra and Muthupandiyammal A, "Copper and Zinc doped ZrO2 nanoparticles as high-performance catalysts for efficient removal of Rose Bengal dye under solar light irradiation", Journal of Water and Environmental Nanotechnology, 2024/Oct2024, ISSN: 2476-7204, e-ISSN: 2476-6615,
2. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "Evaluation of photocatalytic activity of Cu₃(PO₄)₂/MgO nanocomposite for the efficient removal of amaranth dye under solar light irradiation", Inorganic Chemistry Communications, Volume 161, Jan 2024, ISSN: 1387-7003, e-ISSN: 1387-7003, Page No. 112033-46.

3. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "Design of Mn and Zr incorporated Ag₂O nanoparticles and its enhanced photocatalytic activity driven by visible light irradiation for degradation of Rose Bengal dye", RSC- New journal of chemistry, Volume 45, Issue 4, Jan 2021, ISSN: 1369-9261, e-ISSN: 1144-0546, Page No. 409-419.
4. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "An affordable efficient SrWO₄ decorated Bi₂O₃nanocomposite: Photocatalytic activity for the degradation of methylene Blue under visible light irradiation", Materials Today Proceedings, Volume 2, Issue 48, 2021/Jan2021, ISSN: 2214-7853, Page No. 1-11.
5. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "A Facile Novel Synthesis of Cadmium oxide Nanoparticle Decorated Oleic acid with Enhanced Photocatalytic activity for the Degradation of Crystal Violet under Solar Light Irradiation", Journal of Applicable Chemistry, Volume 8, Issue 6, Nov 2019, ISSN: 2278-1862, Page No. 2348-2359.

Publication in Proceedings:

1. G.Vigneshkumar, Dr. A. Subalakshmi and Dr. B. Kavitha, "Design and development of CuWO₄/Ag₂O for enhanced photodegradation of Rhodamine -B dye under visible light irradiation", Three day International workshop/ Summer/ Summer school & Course preparation on " Solar Water Splitting and Artificial Photosynthesis (SWAP-2023), Madurai kamaraj University, Madurai, 05/06/2023 - 07/06/2023, Page No. 78-78.
2. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "NANOSTRUCTURED TiO₂/ ZnO/ COO₃ HETROJUNCTION PHOTOCATALYST SSHOWING ENHANCE PHOTOCATALYTIC ACTIVITY UNDER VISIBLE LIGHT", VI- NATIONAL CONFERENCE ON EMERNGING TRENSION CHEMICALAND BIOLOGICAL SCIENCES, DKM COLLEGE FOR WOMEN, Vellore, 06/12/2019 - 07/12/2019, Page No. 25-25.
3. A. Subalakshmi, B. Kavitha 1 , N. Srinivasan c , M. Ra, N. Srinivasan, M. Rajarajan and A. Suganthi, "Facile Fabrication of SrWO₄ modified Bi₂O₃ Nanocomposite with Efficient Photocatalytic Activity under Visible light and its Antibacterial Activities", Exploring Nanostructures for Enhanced Power Conversion Efficiency of Solar Cells (ICENES'19), Gandhigram Rural Institute University, Gandhigram, 07/01/2019 - 08/01/2019, ISBN: 978-93-88398-20-6, Page No. 26-27.

Research Network Links:

| S.No. | Name | ID | URL |
|-------|----------------|----|---|
| 1 | Research gate | | https://www.researchgate.net/profile/Subalakshmi-Alagar |
| 2 | ORCID | | https://orcid.org/0000-0003-1910-5737 |
| 3 | Google Scholar | | https://scholar.google.com/citations?view_op=list_works&hl=en&user=nTwITCsAAAAJ |
| 4 | Scopus | | https://www.scopus.com/authid/detail.uri?authorId=57221801921 |

Position held:

1. **Coordinator**, Women's Cell, 13/09/2022 to Present , CPA College, Bodinayakanur .
2. **Coordinator**, Energy Audit, 13/09/2022 to Present , CPA College, Bodinayakanur .
3. **Coordinator**, Science Communication Club, 09/07/2018 to Present , CPA College, Bodinayakanur .
4. **Presiding Officer**, Cardo Comp, 09/07/2018 - 17/12/2019 , CPA College, Bodinayakanur .
5. **Member**, Anti-Ragging, 09/08/2017 to Present , CPA College, Bodinayakanur .
6. **Programme Officer**, NSS, 27/07/2015 - 23/08/2018 , CPA College, Bodinayakanur .
7. **Member**, Women Harassment, 05/09/2014 - 08/07/2015 , CPA College, Bodinayakanur .
8. **Member**, Women's Cell, 08/07/2014 - 08/11/2018 , CPA College, Bodinayakanur .
9. **Member**, Entrepreneurship Development Cell (EDC), 01/06/2014 - 06/07/2017 , CPA College, Bodinayakanur .
10. **Member**, Library and Information Services Club, 10/07/2013 to Present , CPA College, Bodinayakanur .
11. **Member**, Sports Club, 08/07/2009 to Present , CPA College, Bodinayakanur .

Resource Person:

1. Guest Lecture on, "Internal compliants committee", 02/09/2021, CPA College,, Bodinayakanur on the theme "*Women sexual harassment*".
2. Induction Programme on, "STUDENT INDUCTION PROGRAM - 2021", 15/09/2021 - 18/09/2021, CPA College,, Bodinayakanur on the theme "*Basic Science*".

Paper Presentation:

1. International Workshop on, "Three day International workshop/summer school & course preparation on ' Solar water splitting and Artificial Photoynthesis' SWAP-2023", 05/06/2023 - 07/06/2023, Madurai kamaraj University, Madurai on the topic "*Design and development of CuWO₄/Ag₂O for enhanced photodegradation of Rhodamine -B dye under visible light irradiation*".
2. International Conference on, "Thee Day- International E-Conference On “Electrochemical Techniques and their Applications in the Development of Sensors”", 20/01/2022 - 22/01/2022, Madurai kamaraj University, Madurai on the topic "*Optical, Structural, Morphological and Electrochemical properties of Cu₃ (PO₄)₂/MgO nanocomposite*".
3. National Conference on, "VI NATIONAL CONFERENCE ON EMERGING TRENDS IN CHEMICAL AND BIOLOGICAL SCIENCES' (ETCBS -2019)", 06/12/2019, D.K.M College for women (Autonomous), Vellore on the topic "*Nanostructured TiO₂/ZnO/CoO₃ hetrojunction photocatalysts showing enhanced photocatalytic activity under visible light*".
4. International Conference on, "International Conference on Recent Trends in Mathematical and Physical Modelling and Bioresource Management Strategies", 12/02/2019 - 13/02/2019, Thiagarajar college, Madurai on the topic "*Synthesis and characterization of Mn, Zr doped silver oxide nanoparticles Conference*".
5. International Conference on, "International Conference on Exploring Nanostructures for Enhanced Power Conversion Efficiency of Solar Cells", 07/01/2019 - 08/01/2019, Gandhigram Rural Institute University, Gandhigram on the topic "*Facile fabrication of SrWO₄ modified Bi₂O₃ nanocomposite with efficient photocatalytic activity under visible light and its antibacterial activities Conference poster presentation Gandhigram rural institute University 07-01-2019*".
6. National Seminar on, "National Seminar on RECENT TRENDS IN CHEMISTRY (RTC-8)", 23/01/2018, Jayaraj Annappaikiam College for Women (autonomous), Periyakulam on the topic "*The study of structural, optical and*

Programmes Organized:

1. **Member** of International Conference on, "International Conference on "Recent Trends in Solar Cells" (ICRTSC-2023)", 12/01/2023 - 13/01/2023, CPA College, Bodinayakanur.
2. **Member** of State Level Conference on, "Young Student Scientist Programme (YSSP-2022)", 18/05/2022 - 01/06/2022, CPA College, Bodinayakanur.

Participations:

1. International Workshop on, "Three –day International Workshop / Summer School & Course preparation on ‘ Solar splitting and Artificial Photosynthesis’ (SWAP) 2023", 05/06/2023 - 07/06/2023, Madurai kamaraj University, Madurai.
2. International Conference on, "'Electrochemical Techniques and their Applications in the Development of Sensors'", 20/01/2022 - 22/01/2022, Department of Natural Products Chemistry, School of Chemistry,, Madurai kamaraj University.
3. National Webinar on, "GRID CONNECTED AND STANDALONE PV SOLAR PLANT DESIGN USING PVSYST", 22/09/2021, Christian College of Engineering and Technology, ODDANCHATRAM.
4. State Level Webinar on, "webinar on ‘Drafting Impactful Research Articles, Project Proposals & Patents’", 04/09/2021, , Ramco Institute of Technolog,, Rajapalayam.
5. International Workshop on, "'Two Weeks International Workshop on Emerging Trends in the field of Science and Technology'", 16/08/2021 - 28/08/2021, Sathyabama Institute of Science and Technology,, Chennai.
6. State Level Webinar on, "'Nanomaterials for Energy & Environmental Applications'", 29/01/2021, , Ramco Institute of Technolog,, Rajapalayam.
7. International Webinar on, "International Webinar on Sample Preparation for TEM and Data Analysis", 30/06/2020, Department of Material Science, School of Chemistry, Madurai Kamaraj University,, Madurai.
8. International Webinar on, "Functional Properties and Band gap Engineering ZnO- GaN Alloys", 08/06/2020, Jayaraj Annackiam College for Women Autonomous, Periyakulam.
9. International Webinar on, "International Webinar on Recent trends in Applied Sciences", 29/05/2020 - 30/05/2020, VHNSN College, Virudhunagar.
10. International Conference on, "EMERGING TRENDS IN CHEMICAL AND BIOLOGICAL SCIENCES' (ETCBS -2019)", 06/12/2019 - 07/12/2019, D.K.M.COLLEGE FOR WOMEN, Vellore.
11. International Conference on, "International Conference on Recent Trends in Mathematical and Physical Modelling and Bioresource Management Strategies", 12/02/2019 - 13/02/2019, Thiagarajar college, Madurai.
12. International Conference on, "Exploring Nanostructures for Enhanced Power Conversion Efficiency of Solar Cells (ICENES-2019)", 07/01/2019 - 08/01/2019, Gandhigram rural institute University, Gandhigram.
13. Workshop on, "Enhancing learning through innovative strategies and digital technology", 12/04/2018, CPA College, Bodinayakanur.
14. National Seminar on, "National Seminar on RECENT TRENDS IN CHEMISTRY (RTC-8)", 23/01/2018, Jayaraj Annackiam College for Women (autonomous), Periyakulam.