

**Kalaigñar Karunanidhi Government Arts College for women
(Autonomous), Pudukkottai
STAFF PROFILE**

i) General Information

- a) Name : Dr. D. Chandrika
b) Address (Residential) : 45, Ganesh Nagar 4th street,
Pudukkottai
c) Designation : Guest Lecturer
d) Department : Physics
e) Date of Birth : 28.06.1982
f) E-mail id : Chandrika.dak@gmail.com
g) Area of Specialization: Crystal Growth



A) Academic Qualifications

| Exam Passed | Subjects | Board/ University | Year | Division/ Grade/ Merit, etc. |
|--|--|---|------|---------------------------------------|
| High School | Tamil, English, Maths, Science, Hist. And Geo. | Board of Secondary Education | 1997 | I Class |
| Higher Secondary or Pre-degree | Physics, Chemistry, Biology | Board of Higher Secondary Education | 1999 | I Class |
| UG | PHYSICS | Periyar university | 2002 | I Class |
| PG | PHYSICS | Periyar university | 2005 | I Class |
| M.Phil., | PHYSICS | Bharathidasan University | 2007 | I Class |
| Ph.D., | PHYSICS | Bharathidasan University | 2023 | |
| National Educational Testing (NET) UGC | - | - | - | |
| State Level Educational Testing (SLET) | - | - | - | |

ii) Research Experience & Training

| Research Stage | Title of work / Thesis | University where the work was carried out |
|--|---|--|
| M. Phil. or Equivalent | Preparation of AU/PZT/CoO ₂ /Si and AU/PZT/SrO ₂ /Si capacitors and their characterizations | Bharathidasan University |
| Ph.D. | Growth and Characterization of some of the Organic Single Crystal | Bharathidasan University |
| Post-Doctoral | - | - |
| Publications (give a list separately) | Annexure-I | ----- |
| Research Guidance (give names of students guided successfully) | Nil | ----- |
| Training (please specify) | ----- | ----- |

B) Research Projects carried out

| S. No. | Title of the Project | Name of the Funding Agency | Duration | Remarks |
|---------------|-----------------------------|-----------------------------------|-----------------|----------------|
| --- | NIL | ---- | ---- | ---- |

C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary, give a separate list)

| Name of the Seminars / Conferences / Symposia / Workshops etc | Name of the Sponsoring Agency | Place and Date |
|--|--------------------------------------|-----------------------|
| Annexure-II | | |

iii) Teaching Experience

| Courses Taught | Name of the University / College / Institution | Duration |
|--|---|---|
| iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.) | Sri Bharathi Arts and Science College for Women, Kaikkurichi, Pudukkottai K.K.Government Arts College for Women (A) , Pudukkottai | 1.7.05 -30.4.09 14.7.2014 –Till date |
| v) PG (MA / M.Sc., etc.) | K.K.Government Arts College for Women (A) , Pudukkottai | 14.7.2014 –Till date |
| vi) M. Phil | - | - |
| vii) Ph.D | - | - |

Total Teaching Experience (in years and months): 10 Years

a) Under-graduate (Sci.) :

b) Under-graduate (Hons.):

c) Post-graduate :

d) Research : (M.Phil)

: (Ph.D)

viii) Innovations/ Contributions in Teaching (If necessary, give a separate list)

| | |
|--|--|
| a) Design of Curriculum: | 1. Energy Physics 2. Allied Physics 3. Solar Energy Utilization 4. Essential of Electronics |
| b) Teaching methods: | - |
| c) Laboratory experiments: | - |
| d) Evaluation methods: | - |
| e) Preparation of resource material including books, reading materials, laboratory manuals etc.: | - |
| f) Remedial Teaching / Student Counseling (academic) : | - |
| g) Any other: | - |

ix) Extension Work/ Community Service (If necessary, give a separate list)

a) Please give a short account of your contribution to:

- i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc. Nil :
- ii) National Literacy Mission :

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity Nil :

D. Participation in Corporate Life

Please give a short account your contribution to:

| | |
|--|---|
| a) College/ University / Institution | - |
| b) Co-curricular Activities | - |
| c) Enrichment of Campus Life (Hostels, sports, games, cultural activities) | - |
| d) Students Welfare and Discipline | - |
| e) Membership / Participation in Bodies / Committees on Education and National Development | |
| f) Professional Organization of Teachers | |

E.

(a) Membership of Professional Bodies, Societies etc. :

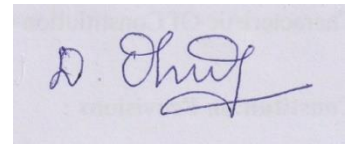
- **Reviewer:-**

- **Member: -**

- **Life Member: -**

(b) Editorship of Journals:

F. Any other information :

A rectangular box containing a handwritten signature in blue ink. The signature is cursive and appears to read 'D. Dhruv'.

(Signature of the Teacher)

Annexure-I

Publications

| S. No. | Name of the Journal | Title of the Paper | Volume & Year |
|--------|---------------------------------|---|-----------------|
| 1 | TEST Engineering and Management | Synthesis , Growth, spectral and computational studies on 6 aminouracil – 1-Methylpyrrolidin 2 one single crystal | 157-167 2020 |
| 2 | TEST Engineering and Management | Growth,spectral and computational studies and docking analysis on 2 aminopyridinium dibromomethonate single crystal | 278-294 2020 |

Annexure-II

Seminars, Conferences, Symposia Workshops etc. attended

| Name of the Seminars / Conferences / Symposia / Workshops etc | Name of the Sponsoring Agency | Place and Date |
|---|-------------------------------|---|
| International conference on Advances in Material Science | | Holy Cross College (A), Trichy 6.1.2017, 7.1.2017 |
| One day faculty development programme on quality enhancement | UGC, New Delhi | Government Arts College for Women (A), Pudukkottai 1.2.2017 |
| Yoga therapy on stress reduction | UGC, New Delhi | Government Arts College for Women (A), Pudukkottai 18.9.2017 to 22.9.2017 |
| Workshop on Powder X-ray diffraction data analysis | | Srimad Andavan Arts and Science College (A), Trichy |

| | | |
|---|--|---|
| | | 5.10.17 and 6.10.17 |
| Asia Pacific Academy of Material (APAM) Special lecture series | | Bharthidasan university, Trichy 13.2.2018 |
| National conference on New vistas in material science | | J.J. College of Arts and Science (A), Pudukkottai 8.3.2018 and 9.3.2018 |
| National conference on Recent trends in nano and bulk super conducting and magnetic materials | | Srimad Andavan Arts and Science College (A), Trichy 20.12.2018 and 21.12.2018 |
| National seminar on Specific industrial and environmental application of physics | | Srimad Andavan Arts and Science College (A), Trichy 18.12.2019 |
| National level online quiz contest | | Government Arts College for Women (A), Pudukkottai 26.5.2020 |
| Advanced physics quiz Programme 4 | | On line Raja Doraisingam Government Arts College 11.6.2020 |
| Webinar on Non linear physics | | SSN College of Engineering, 12.6.2020 |
| International webinar on Basics of OR and Raman Spectroscopy | | Avinashillingam Institute for home science and Higher Education 24.6.2020 |
| Webinar on Green synthesis of nanoparticles towards biomedical application | | Government Arts College for Women (A), Pudukkottai 1.7.2020 |
| National webinar on Women empowerment : what does it actually stand for? | | Government Arts College for Women (A), Pudukkottai 4.7.2020 |
| Webinar on Technologies for the exploration the inner space | | SRM Institute of Science and Technology 11.7.2020 |
| Webinar series on Advances in functional composite material | | SSN College of Engineering, 20.7.2020 to 22.7.2020 |

