

Government Arts college (Autonomous), Coimbatore – 18
Performance - Teacher Appraisal Report

i) General Information

- a) Name: **KATHIRVEL. D.**
- b) Address (Residential): No. 2, KARUNANIDHI NAGAR
 SOWRIPALAYAM
 COIMBATORE 641 0128
 Mobile No.: 90034 33941
- c) Designation: ASSISTANT PROFESSOR
- d) Department: PHYSICS
- e) Date of Birth: 18.09.1977
- f) Area of Specialization: NANOTECHNOLOGY



A) Academic Qualifications

| Exam Passed | Subjects | Board/ University | Year | Division/ Grade/ Merit, etc. |
|-------------------------------------|--|--|------------------|---|
| High School | TAMIL, ENGLISH, MATHEMATICS, SCIENCE, SOCIAL SCIENCES | STATE BOARD | 1993 | FIRST |
| Higher Secondary or Pre-degree | TAMIL, ENGLISH, MATHEMATICS, PHYSICS, CHEMISTRY, BIOLOGY | STATE BOARD | 1996 | FIRST |
| Bachelor's Degree (s) | PHYSICS | BHARATHIAR UNIVERSITY | 1999 | FIRST |
| Master's Degree (s) | PHYSICS | BHARATHIAR UNIVERSITY | 2001 | FIRST |
| Research Degree (s) | M.Phil. PHYSICS Ph.D. | BHARATHIAR UNIVERSITY ANNA UNIVERSITY | 2005 2013 | SECOND HIGHLY COMMENDED |
| Other Diploma/ Certificates etc. | | | | |

ii) Research Experience & Training

| Research Stage | Title of work / Thesis | University where the work was carried out |
|--|--|--|
| M. Phil. or Equivalent | THEORITICAL STUDY OF MOLECULAR SPECTROSCOPY | MANONMANIAM SUNDARANAR UNIVERSITY |
| Ph. D. | PREPARATION AND CHARACTERISATION OF CADMIUM SULPHIDE THIN FILMS PREPARED BY VACUUM EVAPORATION DEPOSITION AND CHEMICAL BATH DEPOSITION | ANNA UNIVERSITY |
| Post-Doctoral | | |
| Publications (give a list separately) | LIST ENCLOSED | |
| Research Guidance (give names of students guided successfully) | | |
| Training (please specify) | | |

B) Research Projects carried out

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

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 |
|--|--------------------------------------|-----------------------|
| | LIST ENCLOSED | |

iii) Teaching Experience

| Courses Taught | Name of the University / College / Institution | Duration |
|--|--|--|
| iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.) | 1) MAHARAJA PRITHVI ENGG COLLEGE 2) TAMILNADU ENGG COLLEGE 3) KALAIIGNAR KARUNANIDHI INST OF TECH 4)CHIKKANNA GOVT ARTS COLLEGE 5) GOVT ARTS COLLEGE, COIMBATORE | 17.12.2004 – 10.08.2006 11.08.2006 – 31.05.2008 02.06.2008 – 27.08.2015 29.09.2015 – 12.06.2018 (FN) 12.06.2015 (AN) – TILL DATE |
| v) PG (MA / M.Sc., etc.) | 1) CHIKKANNA GOVT ARTS COLLEGE 2) GOVT ARTS COLLEGE, COIMBATORE | 29.09.2015 – 12.06.2018 (FN) 12.06.2018 (AN) – TILL DATE |
| vi) M. Phil. | | |
| vii) Any other | | |

Total Teaching Experience (in years and months)

- a) Under-graduate (Pass) : 19 YEARS
b) Under-graduate (Hons.):
c) Post-graduate : 8 YEARS

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

| | |
|--|---|
| a) Design of Curriculum : | |
| b) Teaching methods : | Chalk and talk, Seminar, Power point presentation |
| c) Laboratory experiments : | Conducting practical experiments |
| d) Evaluation methods : | Frequent class tests are conducted; Assignments |
| e) Preparation of resource material including books, reading materials, laboratory manuals etc.: | Study materials prepared for UG & PG |
| f) Remedial Teaching / Student Counseling (academic) : | Special attention given for weak students |
| g) Any other : | Motivation for students – for higher education & competitive examinations |

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.

ii) National Literacy Mission AWARENESS CREATED ABOUT LITERACY

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

D. Participation in Corporate Life

Please give a short account your contribution to:

| | |
|--|---|
| a) College/ University / Institution | HELPING IN DEPARTMENTAL ACTIVITIES, DISCIPLINE MAINTENANCE |
| b) Co-curricular Activities | |
| c) Enrichment of Campus Life (Hostels, sports, games, cultural activities) | |
| d) Students Welfare and Discipline | PERIODICAL COUNSELLING DONE FOR STUDENTS |
| e) Membership / Participation in Bodies / Committees on Education and National Development | |
| f) Professional Organization of Teachers | |

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

(b) Editorship of Journals

F. Any other information

(Signature of the Teacher)

LIST OF INTERNATIONAL PUBLICATIONS

1. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Surface morphology of CdS thin films by Vacuum Evaporation deposition”, International Journal of Electronics and Communication Engineering & Technology, Vol. 1, Number 1, Sep - Oct (2010), pp. 131-137.
2. Kathirvel D, Suriyanarayanan N, Prabahar S, and Srikanth S, “Compositional and Electrical properties of CdS thin films by Vacuum Evaporation Method”, International Journal of Electronics and Communication Engineering & Technology, Vol. 2, Number 1, Jan – April (2011), pp. 57-62.
3. Kathirvel D, Suriyanarayanan N, Prabahar S, Srikanth S and Rajasekaran P, “Optical and AFM studies of Vacuum Evaporated CdS Thin films”, International Journal of Electronics and Communication Engineering & Technology, Vol. 2, Issue 2, May – July (2011), pp. 16-22.
4. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Structural, Electrical and Optical properties of CdS thin films by Vacuum Evaporation Method”, Journal of Ovonic Research, Chalcogenide letters, Vol.7, No. 4, July – August 2011, pp. 82-92.
5. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Structural, Optical and Electrical properties of Chemical bath deposited CdS thin films”, Chalcogenide letters, Vol.8, No. 12, December 2011, pp. 739-745.
6. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Electrical properties of CdS thin films by Vacuum Evaporation Deposition”, International Journal of Graphics and Multimedia (IJGM), Vol. 2, Issue 1, Jan - Dec (2011), pp. 30-36.
7. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Electrical properties of Chemical Bath Deposited CdS thin films”, International Journal of Graphics and Multimedia (IJGM), Vol. 2, Issue 1, Jan - Dec (2011), pp. 37-44.
8. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, “Hall Effect of CdS Thin Films by Vacuum Evaporation Deposition”, International Journal of Computer Engineering & Technology (IJCET), Vol.3, No. 1, January – June 2012, pp. 23-28.

9. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, "Electrical properties of CdS thin films by Vacuum Evaporation Deposition", International Journal of Physics, Vol.1, No. 1, January – March 2012, pp. 1-7.
10. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, "Electrical properties of Chemical Bath Deposited CdS thin films", International Journal of Physics, Vol.1, No. 1, January – March 2012, pp. 8-14.
11. Kathirvel D, Suriyanarayanan N, Prabahar S and Srikanth S, "Hall Effect of Chemical Bath Deposited CdS thin films", International Journal of Physics, Vol.1, No. 1, January – March 2012, pp. 15-20.
12. Kathirvel D, Suriyanarayanan N and Jeyachitra R, "Structural, Surface morphology and Elemental composition analysis on CdS thin films prepared by Vacuum evaporation deposition", International Journal of ChemTech Research, Vol. 6, No. 7. PP.3456-3466
13. Prabahar S, Suriyanarayanan N, Rajasekar K, Srikanth S and Kathirvel D, "Photoluminescence analysis of Chemical bath deposited Cadmium Sulfide thin films", Chalcogenide Letters, Vol.6, No. 7, July 2009, pp. 309-313.
14. Prabahar S, Suriyanarayanan N, Rajasekar K, Srikanth S and Kathirvel D, "Dielectric properties of lead selenide thin films", Chalcogenide Letters, Vol.6, No. 9, September 2009, pp. 399-402.
15. Prabahar S, Suriyanarayanan N, Srikanth S, Kathirvel D and Jebaramy J, "AC conduction and dielectric characterization of lead selenide thin films from vacuum evaporation technique", Chalcogenide Letters, Vol.6, No. 9, September 2009, pp. 509-515.
16. Prabahar S, Suriyanarayanan N and Kathirvel D, "Electrical and Photoconduction studies on Chemical bath deposited cadmium sulphide thin films", Chalcogenide Letters, Vol.6, No. 11, November 2009, pp. 577-581.
17. Srikanth S, Suriyanarayanan N, Prabahar S, Balasubramanian V and Kathirvel D, "Photoluminescence studies on Sb_2S_3 thin films prepared by vacuum evaporation and spray pyrolysis technique", Optoelectronics and Advanced Materials–Rapid Communications Vol. 4, No. 12, December 2010, pp. 2057–2058.

18. Srikanth S, Suriyanarayanan N, Prabahar S, Balasubramanian V and Kathirvel D, “Effect of annealing temperature and deposition time on Sb_2S_3 thin films”, Journal of Optoelectronics and Advanced Materials, Vol.12, No. 10, October 2010, pp. 2075 – 2081.
19. Suriyanarayanan N, Prabahar S, Srikanth S, Balasubramanian V and Kathirvel D, “Optical and AFM studies on Lead Selenide thin films”, Scholars Research Library, Archives of Physics Research, 2010, Vol. 1 (3), pp. 81-88.
20. Srikanth S, Suriyanarayanan N, Prabahar S, Balasubramanian V and Kathirvel D, “Structural and Optical Properties of Chemical bath Deposited Sb_2S_3 thin films”, Pelagia Research Library, Advances in Applied Science Research, Vol. 2 (1), (2011), pp. 95-104.d3
21. Srikanth S, Suriyanarayanan N, Prabahar S, Balasubramanian V and Kathirvel D, “Effect of concentration On the Structural properties of Synthesized Sb_2S_3 Bulk Powder”, Scholars Research Library, Archives of Applied Science Research, Vol. 3 (1), (2011), pp. 168-174.
22. Jeyachitra R, Senthilnathan V and Kathirvel D, “Optical, Photoluminescence and Electrical properties of Vacuum evaporated ZnS thin films”, International Journal of Chem Tech Research, Vol. 6, No. 5, Aug-Sept 2014, pp. 3152-3159.
23. Kathirvel D, and Jeyachitra R, “ Structural properties of vacuum evaporated ZnS thin films”, International Journal of Macro and Nano Physics, Vol. 1 (1), 2016.

Seminars/Conferences Attended

| S.No. | Name of the Seminar/Conference/Symposia/Workshop | Place & Date |
|--------------|---|--|
| 1 | International Conference on Emerging Biomaterials for Advanced Applications | Periyar University, Salem 21 & 22, Apr 2022 |
| 2 | One Week FDP on Spectra of Physics – II | PSGR Krishnammal College for Women 26 th Sept – 1 st October 2022 |