

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

i) General Information

- a) Name: **KANCHANA. G.**
- b) Address (Residential): 4/363, V.V.K. NAGAR,
 K. VADAMADURAI
 COIMBATORE – 641 017
 Mobile No.: 93452 33696
- c) Designation: **ASSOCIATE PROFESSOR**
- d) Department: **PHYSICS**
- e) Date of Birth: 14.08.1972
- f) Area of Specialization: **CRYSTAL GROWTH**



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	TAMIL, ENGLISH, MATHEMATICS, SCIENCE, SOCIAL SCIENCES	STATE BOARD	1987	FIRST
Higher Secondary or Pre-degree	TAMIL, ENGLISH, MATHEMATICS, PHYSICS, CHEMISTRY, BIOLOGY	STATE BOARD	1989	FIRST
Bachelor's Degree (s)	CHEMISTRY	BHARATHIAR UNIVERSITY	1992	FIRST
Master's Degree (s)	MATERIALS SCIENCE	BHARATHIAR UNIVERSITY	1994	FIRST
Research Degree (s)	Ph.D.	ANNA UNIVERSITY	2001	NOT APPLICABLE
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	-----	
Ph. D.	STUDIES ON THIOUREA HALIDES AND CHALCOHALIDES OF ANTIMONY AND BISMUTH	ANNA UNIVERSITY
Post-Doctoral		
Publications (give a list separately)	LIST ENCLOSED	
Research Guidance (give names of students guided successfully)	F. HELEN, STUDIES ON THE GROWTH AND CHARACTERISATION OF PURE AND DOPED ORGANIC AND SEMIORGANIC SINGLE CRYSTALS	GOVT ARTS COLLEGE, COIMBATORE
Training (please specify)		

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
1.	INVESTIGATION ON GROWTH AND CHARACTERISATION OF PURE AND METAL IONS DOPED L-SERINE : A NON LINEAR OPTICAL MATERIAL	UGC	2013 – 2015	

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) V.L.B. J. COLLEGE OF ENGG & TECH, COIMBATORE 2) GOVT. ARTS COLLEGE, COIMBATORE	15.02.2002 – 26.06.2009 28.08.2009 – TILL DATE
v) PG (MA / M.Sc., etc.)	GOVT ARTS COLLEGE, COIMBATORE	28.08.2009 – TILL DATE
vi) M. Phil.	-	-
vii) Any other	-	-

Total Teaching Experience (in years and months):

- a) Under-graduate (Pass) : 21 YEARS & 6 MONTHS
b) Under-graduate (Hons.) :
c) Post-graduate : 14 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	MEMBER IN BOARD OF STUDIES FRAMING QUESTIONS FOR INTERNAL ANDEXTERNAL EXAMINATIONS
f) Professional Organization of Teachers	1) INDIAN ASSOCIATION FOR CRYSTAL GROWTH 2) INDIAN ASSOCIATION FOR CRYSTALLOGRAPHY

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

(b) Editorship of Journals

F. Any other information

(Signature of the Teacher)

LIST OF PUBLICATIONS

S.No	Name of the Journal	Year	Name of the paper	Authors
1	Indian Journal of Physics	2001	Growth and Characterization of antimony thiourea bromide (ATB)	G. Kanchana and D. Arivuoli
2	Indian Journal of Physics	2001	Growth and Characterization of bismuth thiourea chloride (BTC)	G. Kanchana, D. Arivuoli, L. Kazimierz and R.Fomari
3	Indian Journal of Engineering and Materials Science	2001	Spectroscopic investigation of BiSeI, SbeSeI compounds and BiSbS _x Se _{1-x} I solid solutions	G. Kanchana and D. Arivuoli
4	Elixir Crystal Growth	2013	Growth and Characterization of Triglycine Sulphate (TGS) Single Crystals 55A (2013) 13033-13035	R. Renugadevi, G. Kanchana and R. Kesavasamy
5	Optik	2014	Growth and characterization of metal ions doped L-serine NLO single crystals for optoelectronic applications 125(9):2051–2056 · May 2014	F. Helen and G. Kanchana
6	Indian Journal of Pure and Applied Physics	2014	Investigation on the properties of L-serine doped zinc tris (thiourea) sulfate crystal for NLO applications 52 (2014) 823 - 828	F. Helen and G. Kanchana
7	Materials Chemistry and Physics	2015	Growth, mechanical, dielectric, thermal and optical studies of a nonlinear optical crystal: L-Histidiniumdipicratedihydrate	F. Helen and G. Kanchana
8	Advances in Condensed Matter Physics	2014	Investigations on Growth, and Optical and Thermal Properties of Sulphamic Acid Single Crystals DOI 10.1155/2014/950467	D. Jaishree, G. Kanchana and R. Kesavasamy
9	Indian Journal of Pure & Applied Physics	2015	Synthesis, growth and characterization of magnesium sulphamate – A promising non-linear optical crystal 53 (2015) 404 - 408	D. Jaishree, G. Kanchana and R. Kesavasamy
10	Journal of Minerals and Materials Characterization and Engineering	2015	Investigation on Structural, Optical and Thermal Properties of Diphenyl Urea—An Organic Non - Linear Optical Crystal DOI 10.4236/JMMCE.2015.32007	D. Jaishree, G. Kanchana and R. Kesavasamy
11	Asian Journal of Chemistry	2015	Spectroscopic Investigation of Zinc Sulphamate-A Novel Non-Linear Optical Crystal. 27 (1) 192 – 194	D. Jaishree, G. Kanchana and R. Kesavasamy

12	Journal of Materials Science: Materials in Electronics	2020	Structural investigation, thermal, electrical and optical properties of NLO active single crystal for optoelectronic device applications 31 (17158 – 17172)	F. Helen , G. Kanchana, M. Thenmozhi, V. Siva
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Seminars/Conferences Attended

S.No.	Name of the Seminar/Conference/Symposia/Workshop	Place & Date
1	Frontiers in Nanoscience	Kongunadu Arts & Science College, Coimbatore -----8 th Jan 2008
2	Nanoscience and Technology	Dr. Mahalingam College of Engg & Tech., Pollachi ---- 1 st & 2 nd Feb 2008
3	Advanced Materials & Applications	Karpagam Arts & Science College, Coimbatore -----4 th Mar 2008
4	Nano in Material Science & Technology	Maha College of Engg., Salem----- 17 th Mar 2008
5	Nanoscience & Technology – Challenges Ahead	Velammal Engg. College, Chennai 19 th Aug 2008
6	Advanced Materials Processing, Characterisation and Applications	P.S.G. College of Technology, Coimbatore 12 th Feb 2009
7	Emerging Areas in Thin Film Science & Technology	P.S.G. College of Technology, Coimbatore 13 th & 14 th Feb 2009
8	Recent Developments in Computational Systems Simulation & Modeling	VLB Janakiammal College of Engg., Coimbatore 29 th & 30 th Apr 2009
9	Recent Advances in Nanoscience	PSGR Krishnammal College for Women, Coimbatore -----16 th & 17 th Dec 2009
10	Asia – Pacific Workshop on Materials Characterisation	Anna University, Chennai 22 nd – 24 th Sept 2011
11	Advanced Nanomaterials	Periyar University, Salem 6 th – 7 th Feb 2012
12	International conference on Research in Condensed Matter Physics.	University of Madras, Chennai 1 st – 3 rd Oct 2012
13	National Symposium on X Ray Diffraction and Recent Advances in Crystallography	Periyar University, Salem 27 & 28 , Feb 2015
14	One day seminar on " Higher education for all"	TNGCTA ----- 12 October 2015
15	National Seminar on New Frontiers in Nano and Crystalline Materials	Holy Cross College, Nagercoil (invited talk) 18 Feb 2016
16	Two days training program Soft skill and industry awareness	TANSCHE and ICT Academy of Tamil Nadu----- 24&25 Jan 2018
17	National Conference on Emerging Materials and Methods for Advance Applications	Periyar University, Salem 1 & 2, March 2018
18	International Conference on Emerging Biomaterials for Advanced Applications	Periyar University, Salem 21 & 22, Apr 2022
19	One Week FDP on Spectra of Physics – II	PSGR Krishnammal College for Women 26 th Sept – 1 st October 2022
20	Faculty Development Program training through Naan Mudhalvan by Tamil Nadu Skill Development Corporation, Government of Tamil Nadu	Bharathiar University, Coimbatore 24 – 28, July 2023

