



**A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS),
POONDI – 613503, THANJAVUR – DT.**



STAFF PROFILE

1. Name of the Staff : **Dr. K. THIRUMURUGAN**
 2. Designation : Assistant Professor
 3. Academic Qualification : M. Sc., M. Phil., Ph.D.,

Course	UG	PG	M.PHIL.	PH.D.
Year	2003-2006	2006-2008	2008-2010	2011-2015
College & University	AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt), Bharathidasan University, Tiruchirappalli	AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt), Bharathidasan University, Tiruchirappalli	AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt), Bharathidasan University, Tiruchirappalli	AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt), Bharathidasan University, Tiruchirappalli

4. Date of Birth & Age : 10.05.1986 & 32

5. Date of Appointment : Self – Finance :

D	D	M	M	Y	Y	Y	Y
2	4	0	9	2	0	0	9

FIP :

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Aided :

2	5	0	5	2	0	1	6
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6. Total Service : 9 years

7. Teaching Experience in completed years : UG

9 Years

 PG

9 Years

 M.Phil.

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8. Residential Address : 1/230, North Street, Thirubuvanam, Saliyamangalam (Post) – 613 504, Thanjavur (Dt)

Mobile Number : +91 97 15 24 56 58

E-Mail Address : kcthirumurugan@gmail.com

9. No. of Orientation / Refresher Courses and Training Programmes attended : Orientation course - 01 Annexure – I
 Refresher course - Nil

10. Whether FDP availed, if yes, furnish details : No Annexure – II

11. No. of workshop / Seminars attended : 06 Annexure – III

12. No. of Papers Presented : 05 Annexure – IV

13. No. of Papers Published : 08 Annexure – V

14. No. of Books Published : Nil Annexure – VI

15. No. of Guest Lectures delivered in other institutions : Nil Annexure – VII

16. No. of Research Projects undertaken : Minor 01 Major Nil Others (Specify) Nil Annexure – VIII

17. No. of Seminars organised : Nil Annexure – IX

18. No. of M.Phil. Scholars Guided : Completed - Ongoing - Annexure – X

19. No. of Ph.D. Scholars Guided : Awarded - Ongoing - Annexure – XI

20. Participation in Academic Research Bodies in other institutions : Nil Annexure – XII

21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : Yes Annexure – XIII

22. Service rendered in Professional bodies outside the College : Nil Annexure – XIV

23. Honors / Awards received : Yes Annexure – XV

Signature of the Staff

ANNEXURE – I

DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:

SL. NO.	COURSE	UNIVERSITY	PERIOD	TITLE
1.	ORIENTATION COURSE	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI	18.05.2018 – 14.06.2018	

ANNEXURE – II

WHETHER FDP AVAILED, IF YES, FURNISH DETAILS NA

Name of the institution	Period of Study	Date of submission	awarded
-	-	-	-

ANNEXURE – III

SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC ATTENDED

Sl. No.	Title of the Seminars/Conferences, Symposia, Workshops	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1.	2 nd National Workshop on Characterization Techniques (NWCT-2),	National	School of Physics, Alagappa University, Karaikudi, Tamil Nadu, India.	21-23 March-2013
2.	One day workshop on sensors and instrumentation	State	Sastra university, Thanjavur	28 th sep 2013
3.	Workshop on Advances in Nanotechnology: Fabrication, Processing and Applications,	State	Centre for Nanoscience and Nanotechnology, Bharathidasan University, Trichy, Tamil Nadu, India.	Feb 28 & March 1, 2014,
4.	Recent advances in technologically significant materials	State	TANSCHE, PG & Research Department of Physics, AVVM Sri Pushpam College, Poondi, Thanjavur	12 th Jan 2015
5.	Recent trends in materials science and its applications (RTMSA-2015)	State	UGC, department of Physics, KNG Arts college, Thanjavur.	27 th Jan 2015
6.	Workshop on statistical Physics and materials science	State	TEQIO _II Department of Physics, National Institute of Technology , tiruchirappalli, Tamil Nadu.	July 21-23, 2016

PAPERS PRESENTED IN SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC

Sl. No.	Title of the Paper	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1.	Fabrication of Zn doped SnO ₂ films electronics applicataions National Conference on Hierarchically Structured Materials (NCHSM 2013)	National	Organized by Department of Physics, SRM University, Ramapuram Campus, Chennai, Tamil Nadu, India.	24-25 Jan 2013
2.	Analysis of optical , Electrical and surface morphological properties of Zn doped SnO ₂ filmspyrolysis technique National conference on recent advances in surface science (RASS -2013)	National	Department of chemistry, Gandhigram rural Institute – Deemed university, Dindigul, Tamil Nadu, India.	14-15 Feb 2013
3.	Investigation of the role of Al and Zn films. National Conference on Nanophotonics.	National	Organized by School of Physics, Bharathidasan University, Trichy, Tamil Nadu, India.	6-7 March-2014
4.	Influence of Mn doping on the properties of Sn+Mn codoped ZnO thin films deposited using a sol-gel spin coating technique Recent advances on luminescence materials (RALM-2015)	National	UGC-SAP and DST, Department of chemistry, Annamalai University, Chidambaram, Tamil Nadu, India.	23-24 Jan 2015
5.	Investigation on the structural, electrical , optical properties of (Si+F) SnO ₂ films pyrolysis technique Recent trends in nano materials and thin film research (RTNMTR-2015)	National	UGC, PG & Research Department of Physics, AVVM Sri Pushpam College, Poondi, Thanjavur	3-4 March 2105

RESEARCH PAPERS PUBLISHED:

Sl. No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
2013					
1.	Enhancement in the electrical and antibacterial properties of sprayed ZnO films by simultaneous doping of Mg and F	Journal of Materials Science: Materials in Electronics	24(1)	2013/1/1	135-141
2.	Effect of solvent volume on properties of SnO ₂ : Al	Surface Engineering	29 (5)	2013/6/1	373-378

	films				
3..	Investigation of p-type SnO ₂ : Zn films deposited using a simplified spray pyrolysis technique	Superlattices and Microstructures,	60	2013/8/1	327-335
2014					
4..	Type inversion and certain physical properties of spray pyrolysed SnO ₂ : Al films for novel transparent electronics applications	Journal of Materials Science & Technology	30 (2)	2014/2/1	97-102
5..	Role of solvent volume on the structural and transparent conducting properties of SnO ₂ : Zn films	Journal of Materials Science: Materials in Electronics	25 (8)	2014/8/1	3594-3600
6.	Annealing induced reorientation of crystallites in Sn doped ZnO films	Optical Materials	37	2014/11/1	59-64
2015					
7.	Improving the electrical, magnetic and antibacterial properties of sol-gel spin coated ZnO thin films through (Sn+ Mn) co-doping	Journal of Materials Science: Materials in Electronics	26 (7)	2015/7/1	5451-5458
8.	Investigations on the crystalline, topographic, electrical and optical characteristics of doubly doped (Si+ F) SnO ₂ films deposited using spray pyrolysis technique	Superlattices and Microstructures	86	2015/10/1	186-197

ANNEXURE – VI

BOOKS PUBLISHED: Nil

Sl. No.	Name of the Book / Title of the Article / Book / Editor	Publisher	Place and Year of Publication
	-	-	-

ANNEXURE – VII

GUEST LECTURES DELIVERED: Nil

Sl. No.	Title of the Guest Lecture	Place	Date

ANNEXURE – VIII

RESEARCH PROJECTS – ONGOING AND COMPLETED:

SL No.	Title of the project	Minor/Major	Name of the Funding Agency	Period	Amount Sanctioned	UC Submitted If Yes, Date and Year
1.	Investigation of type inversion and certain physical properties of spray deposited SnO ₂ films for transparent applications	Minor	UGC	2015-2017	3 lakh	No

ANNEXURE – IX

SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED: Nil

Sl. No.	Title of the Seminar/Conference/Symposia Workshop	Name of the Sponsoring Agency	Amount Sanctioned	Period	UC submitted If Yes, Date and Year
-	-	-	-	-	-

ANNEXURE – X

Research Experience (M.Phil.) – Guided and Guiding - Nil

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
-	-	-	-	-

ANNEXURE – XI

Research Experience (Ph.D.) – Awarded, Submitted and Guiding

Sl. No.	Name of the Scholar	Title of the Thesis	Year of Study	University
-	-	-	-	-

ANNEXURE – XII

PARTICIPATION IN ACADEMIC RESEARCH BODIES IN OTHER INSTITUTIONS:
(Mention the period in the relevant column)

Name of the Institution	Academic Council	BOS	Research committee	Academic Audit committee	Member in University committee	Any other (specify)
AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt),	-	-	✓	-	-	-

SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES

Sl. No.	Name of the Activity	Period
-	-	-

MEMBERSHIP IN PROFESSIONAL BODIES

Name of the Professional Body`	National/International	Period

HONORS AND AWARDS RECEIVED

Excellent article award received from
Journal of Materials Science & Technology in 2016
(The Chinese Society for Metals)

for an research article

**TYPE INVERSION AND CERTAIN PHYSICAL PROPERTIES OF SPRAY
 PYROLYSED SnO₂ :Al FILMS FOR NOVEL TRANSPARENT
 ELECTRONICS APPLICATIONS**

J. Mater. Sci. Technol.30 (2014) 97 – 102