A.V.V.M. SRI PUSHPAM COLLEGE (AUTONOMOUS), POONDI – 613 503, THANJAVUR – DT.

STAFF PROFILE

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

Course	UG	PG	M. Phil	Ph.D
Year	**1985**	**1987**	**1989**	**2010**
College & University	**Rajah Serfoji Govt. College (Autonomous), Thanjavur (Dt)**	**Rajah Serfoji Govt. College (Autonomous), Thanjavur (Dt)**	**AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt)**	**AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur (Dt)**

4. Date of Birth & Age : **01-03-1965 & 53**
5. Date of Appointment :

	D	D	M	M	Y	Y	Y	Y
Self – Finance :	**1**	**2**	**1**	**0**	**1**	**9**	**8**	**8**
FIP :								
Aided :	**3**	**0**	**0**	**3**	**2**	**0**	**0**	**0**

6. Total Service : 30 years
7. Teaching Experience in completed years : UG **31** PG **20** M.Phil. **20**
8. Residential Address :

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9. No. of Orientation / Refresher Courses and Training Programmes attended : **Orientation course - 01** Annexure – I
Refresher course - 03
Training Programme – 01
10. Whether FDP availed, if yes, furnish details : **No**
11. No. of Seminars attended (in the assessment period 2013-2018) : **12** Annexure – III
12. No. of Papers Presented : **04** Annexure – IV
13. No. of Papers Published : **129** Annexure – V
14. No. of Books Published : **03** Annexure – VI
15. No. of Guest Lectures delivered in other institutions : 14 Annexure – VII
16. No. of Research Projects undertaken : Minor **02** Major **03** Others (Specify) - Annexure – VIII
17. No. of Seminars organised : 4 Annexure – IX
18. No. of. M.Phil. Scholars Guided : Completed 13 Ongoing 2 Annexure –X
19. No. of. Ph.D. Scholars Guided : Awarded 19 Ongoing 6 Annexure – XI
20. Participation in Academic Research Bodies in other institutions : Annexure – XII
21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : Annexure – XIII
22. Service rendered in Professional bodies outside the College : Annexure – XIV
23. Honors / Awards received : 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	Pondicherry University, Pondicherry	18.07.2002 - 14.08.2002	
2.	Refresher course	Tamil University, Thanjavur	09.12.2004 – 29.12.2004	
3.	Refresher Course	Bharathidasan University, Trichy	04.03.2008 – 24.03.2008	
4.	Refresher Course	Bharathidasan University, Trichy	08.08.2009 – 28.08.2009	

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.	International Conference on Materials for Advanced Technologies	International	Materials research Society, Nanyang Technological University, Singapore.	July 2013
2.	National Conference On Perspectives in Materials Science (NCPMS-2013)	National	Govt. Arts College for Women(A), Pudukkottai	6th and 7th August 2013
3.	Workshop on Photocatalysis for Sustainability Fundamentals and Applications	State level	Royal Society of Chemistry- South India, BIT, Anna University, Tiruchirappalli.	9th October 2013,
4.	Workshop on Scientific Writing	State level	Science Club, Sree sevugan Annaimalai College, Devakottai..	10th November 2013
5	3rd National Seminar on Technological important crystalline and amorphous solids (TICAS-2014)	National	Dept. of Physics, Kalasalingam University, krishnankoil..	28th Feb – 1st March 2014
6	Recent Advances in Materials Chemistry	National	Science Academies, BIT, Anna University, Tiruchirappalli	7th and 8th March 2014
7	International Workshop On Advanced Materials (IWAM-2014)	International	School of Physics, Alagappa University, Karaikudi.	20th and 21st March 2014

8	Recent Development in Advanced Materials- RDAM'14	National	Dept. of Phy & Chem, Mohamed Sathak Engineering College, Kilakarai.	5th April 2014
9	International Conference on Biotechnology & Bioengineering	International	Microbiologist Society, Dr. Babashed Ambedhar Marathwada University, Aurangabad & Birla Institute of Technology & Science, Pilani, Dubai.	29th and 30th October 2014
10	Nano Structured Materials: Processing and Characterization	National	Dept. of Physics, NIT, Tiruchirappalli.	7th and 8th November 2014
11	Recent advances in Luminescent Materials (RALM-2015)	National	Dept. of Chemistry, Annamalai University, Annamalainagar.	23rd and 24th January 2015
12	One Day Workshop on Project Proposal & Paper writing	State level	Dept. of Physics, Ananda College, Devakottai.	28th September 2017

ANNEXURE – IV

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	Effect of precursor materials and annealing treatment on structural and optical properties of SILAR deposited ZnO thin films	National	DAE & DST, Dept. of Physics, Kalasalingam University, Krishnankovil	28th Feb – 1st March 2014
2	Enhancement of optical and electrical properties of SILAR deposited ZnO thin films through fluorine doping and vacuum annealing	National	UGC, Pg & Research Dept. Of Physics, National College (A), Trichy	7th - 9th August 2014
3	Enhancing the photocatalytic efficiency of sprayed ZnO thin films through double doping (Sn+F) and annealing under different ambiences.	National	UGC, Pg & Research Dept. Of Physics, A.V.V.M Sri Pushpam College (A), Thanjavur	March 3rd and 4th 2013
4	Low cost synthesis of ZnO/g-C3N4 nanocomposite photocatalysts for enhanced visible light photocatalytic activity against methylene blue dye.	National	UGC, Pg & Research Dept. Of Physics, Jairam Arts and Science College, Karur.	15th October 2016

ANNEXURE – V

RESEARCH PAPERS PUBLISHED:

	Research Articles Published in Science Citation Indexed **International Journals**
S. No	**Bibliography**
1.	**K. Ravichandran,** P Philominathan ***Solar Energy*** 82 (11), 1062-1066
2.	**K Ravichandran**, P Philominathan ***Applied Surface Science*** 255 (11), 5736-5741
3.	**K Ravichandran**, P Ravikumar, B Sakthivel ***Applied Surface Science*** 287, 323-328
4.	**K Ravichandran**, V Senthamilselvi ***Applied Surface Science***270, 439-444
5.	**K Ravichandran**, K Saravanakumar, R Chandramohan, V Nandhakumar ***Applied Surface Science*** 261, 405-410
6.	**K Ravichandran**, R Mohan, B Sakthivel, S Varadharajaperumal, P Devendran, T Alagesan, K Pandian, ***Applied Surface Science***321, 310-317
7.	**K. Ravichandran**,N. Dineshbabu, T. Arun, A. Manivasaham, E. Sindhuja ***Applied Surface Science,*** 392, (2017) 624-633.
8.	K Subha, **K Ravichandran,** S Sriram***Applied Surface Science*** 409, (2017) 413-425
9.	S Prabhu, S Vijayakumar, JEM Yabesh, **K Ravichandran**, B Sakthivel, ***Journal of ethnopharmacology*** 157, 7-20
10.	**K. Ravichandran**, K. Subha, A.Manivasaham N. Dineshbabu, ***Journal of Alloys and compounds*** 656, 332-338.
11.	**K. Ravichandran**, N. Nisha Banu, V. Senthamil Selvi, B. Muralidharan, T. Arun ***, Journal of Alloys and compounds*** 687, (2016) 402-412.
12.	**K Ravichandran**, P Sathish, S Snega, K Karthika, PV Rajkumar, K Subha, B Sakthivel,***Powder Technology*** 274, 250-257
13.	**K Ravichandran**, PV Rajkumar, B Sakthivel, K Swaminathan, L Chinnappa, ***Ceramics International***40 (8), 12375-12382
14.	**K Ravichandran**, R Rathi, M Baneto, K Karthika, PV Rajkumar, B Sakthivel, R Damodaran, ***Ceramics International***41(3), 3390-3395.
15.	K Karthika, **K Ravichandran**, ***CeramicsInternational***41 (6), 7944-7951.
16.	N Mala, **K Ravichandran**, S Pandiarajan, N Srinivasan, B Ravikumar, K Catherine Siriya Pushpa, K Swaminathan, T Arun, ***Ceramics International,*** 42 (6), 7336–7346.
17.	**K. Ravichandran**, P. Sathish, G. Muruganandam B.Muralidharan, B. Sakthivel, K. Swaminathan, A. Panneerselvam,***Ceramics International*** 42, 2349-2356.
18.	K.Catherine Siriya Pushpa, A.T. Ravichandran, **K. Ravichandran**, K. Swaminathan B. Sakthivel, M. Baneto,***Ceramics International,*** 41 (10), 12910-12916.
19.	**K. Ravichandran**, K.Nithiyadevi, B.Sakthivel, T.Arun, E.Sindhuja, G. Muruganandam, ***Ceramics International*** 42, 17539–17550.
20.	**K Ravichandran**, P Philominathan ***Materials Letters*** 62 (17), 2980-2983
21.	K Saravanakumar, B Sakthivel, **K Ravichandran*Materials Letters*** 65 (14), 2278-2280
22.	**K. Ravichandran**, N. Dineshbabu, T. Arun, C. Ravidhas, S. Valanarasu, ***Materials Research Bulletin*** 83, (2016) 442–452
23.	**K Ravichandran**, K Karthika, B Sakthivel, N Jabena Begum, S Snega, K Swaminathan, V Senthamilselvi, ***Journal of Magnetism and Magnetic Materials***358, 50-55.

24.	Anandhi, **K Ravichandran**, R Mohan ***MaterialsScienceandEngineering*: *B***178 (1), 65-70
25.	**K Ravichandran**, A Anbazhagan, M Baneto, N Dineshbabu, C Ravidhas, G Muruganandam, ***Materials Science in Semiconductor Processing***41, 150-154.
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29.	**K Ravichandran**, K Thirumurugan, NJ Begum, S Snega, ***Superlattices and Microstructures*** 60, 327-335
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31.	**K Ravichandran** G Turgut, K Thirumurugan, ***Superlattices and Microstructures***86, 186-197
32.	**K Ravichandran**, NJ Begum, K Swaminathan, B Sakthivel ***Superlattices and Microstructures*** 64, 185-195.
33.	M Vasanthi, **K Ravichandran**, N Jabena Begum, G Muruganantham, S Snega, A Panneerselvam, P Kavitha, ***Superlattices and Microstructures***55, 180-190
34.	K Saravanakumar, **K Ravichandran**, R Chandramohan, S Gobalakrishnan, Murthy Chavali , ***Superlattices and Microstructures***52 (3), 528-540
35.	G Muruganantham, **K Ravichandran**, K Saravanakumar, AT Ravichandran, B Sakthivel, ***Superlattices and Microstructures*** 50 (6), 722-733.
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37.	AT Ravichandran, K Catherine Siriya Pushpa, **K Ravichandran**, K Karthika, BM Nagabhushana, Srinivas Mantha, K Swaminathan, ***Superlattices and Microstructures*** 75, 533-542
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41.	NJ Begum, **K Ravichandran*Journal of Physics and Chemistry of Solids*** 74 (6), 841-848
42.	V Senthamilselvi, **K Ravichandran**, K Saravanakumar ***Journal of Physics and Chemistry of Solids***74 (1), 65-69
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45.	**K Ravichandran**, M Vasanthi, K Thirumurugan, K Karthika, B Sakthivel, ***Journal of Materials Science: Materials in Electronics***26 (7), 5451-5458.
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47.	**K. Ravichandran**, R. Uma, B. Sakthivel, S. Gobalakrishnan, ***Journal of Materials Science Materials in Electronics,*** 27 (2), 1609-1615.
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51.	K Saravanakumar, **K Ravichandran** ***Journal of Materials Science: Materials in Electronics*** 23 (8), 1462-1469
52.	S Snega, **K Ravichandran**, NJ Begum, K Thirumurugan ***Journal of Materials Science: Materials in Electronics***24 (1), 135-141
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68.	N. Nisha Banu; K. Ravichandran, ***Journal of Materials Science: Materials in Electronics,*** 28 (2017) 11584-11590
69.	B. Radha, R. Rathi, K. C. Lalithambika, A. Thayumanavan, K. Ravichandran, S. Sriram, ***Journal of Materials Science: Materials in Electronics,*** 16 (29) (2018)pp 13474–13482.
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88.	E. Sindhuja, **K. Ravichandran**, K. Shantha seelan, ***Materials Research Bulletin 103 (2018) 299–308***
89.	A. S. Manikandan, K. B. Renukadevi, **K. Ravichandran**, E. Sindhuja ***Journal of Materials Science: Materials in Electronics,*** 29 (2018) 8547-8554
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94.	C.Ravidhas, B.Anitha, R.Venkatesh, S. Esther SanthoshiMonica, D.Gopalakrishna, A. Moses EzhilRaj, **K.Ravichandran**, ***Journal of Luminescence,*** **198 (2018) 272-283.**
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114.	**K Ravichandran**, G Muruganantham, B Sakthivel, P Philominathan, ***Surface Engineering*** 26 (8), 590-595
115.	G Muruganantham, **K Ravichandran**, K Saravanakumar, P Philominathan, B Sakthivel, ***Surface Engineering*** 27 (5), 376-381
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129.	K. Kalpana, **K Ravichandran** , E Sindhuja, K Shantha Seelan, K. Jothivenkatachalam, S Sriram C. Dhanraj ***Materials research express*** 6 (2019) 016422**.**

ANNEXURE – VI

BOOKS PUBLISHED:

Sl. No.	Name of the Book / Title of the Article / Book / Editor	Publisher	Place and Year of Publication
1	**"Introduction to Thin Films"** **K. Ravichandran,** K. Swaminathan, B. Sakthivel	Research India Publications New Delhi	2013 (ISBN: 978-93-84144-05-0)
2	**"Introduction to the characterization of a nanomaterials and thin films"** **K. Ravichandran,** K. Swaminathan, B. Sakthivel, C. Ravidhas	Jazym Publication	2015 (ISBN:978-93-81521-84-7)
3	**"Research Methodology and Scientific Writing – A Researcher's Handbook"** **K. Ravichandran,** K. Swaminathan, A.T. Ravichandran, C. Ravidass	Jazym Publication	2018 (ISBN:978-93-87360-07-5)

ANNEXURE – VII

GUEST LECTURES DELIVERED:

Sl. No.	Title of the Guest Lecture	Place	Date
1.	Cost effective and simplified technique for the fabrication of thin films,	Department of Nanotechnology, Noorul Islam Centre for HigherEducation, Noorul Islam Univerisity Kumaracoil, Kanyakumari (Dt)	23-08-2013
2.	Innovative Trends in Materials Science,	Department of Physics, Aringar Anna College,Aralvoymoli	23-24, August 2013
3.	Nanotechnology and Its Applications,	Department of Physics, Bharath College of Science and Management, Thanjavur	24-03-2014
4.	Fundamentals of electricity	Govt. Hr. Sec. School, Ayyampettai , Thanjavur	15-09-2015
5.	Nanocomposites and their applications (ICRTM-2016),	Department of Physics, Devanga Arts College Aruppukottai	22&23-01-2016
6.	Introduction to Nanomaterials,	Department of Physics, Sri Venkateshwara College of Arts and Science for Women Peravurani	10-08-2016
7.	Introduction to nanotechnology	Department of Physics, Jamal Mohamed College ,Trichy	17-08-2017
8.	Fundamental of wave optics	Department of Physics , Annai College of Arts and Science Kumbakonam	07-09-2017
9.	Project Proposal & Paper Writing,	Department of Physics, Anadha College, Devakottai	28-09-2017
10.	Current Status Of Nanotechnology	Department of Physics, Jairam Arts And Science College Karur	13-10-2017
11.	Research Orientation Programme For Aspirants in Materials Characterization For Device Applications	PG & Research Department of Physics, Bishop Heber College, Trichy	16-02-2018
12	Significance of Nanomaterials,	Department of Physics, A.V.C College, Mannampandal	22-02-2018
13.	Analytical Techniques for Research Chemistry and Life sciences,	PG & Research Department of Physics, Bishop Heber College, Trichy	09-03-2018
14	Solar Energy and Its Applications	Department of Physics , Naina Mohammed College of Arts & Science, Aranthangi	19-03-2018
15	Fundamentals of Digital Electronics	Department of Physics, Annai College of Arts and Science, Kumbakonam.	26-07-2018
16	Introduction to Nanotechnology	Department of Physics, Vivekanandha College, Sangakiri	-12-2018
17	Nanotechnology	Department of Physics, SRC, Trichy	Feb -2019

18	Introduction to Nanotechnology	Department of Physics, Ayya Nadar Janaki Ammal College, Sivagasi	04-02-2019
19	Nanotechnology	PG & Research Department of Physics, EVR College, Trichy	27-02-2019
20	Nanotechnology	Department of Physics, Annai Velankanni Arts and Science College, Thanjavur	28-02-2019

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	*Cost-effective purification of textile industrial effluents through visible light responsivephotocatalysis using ZnO/g-C_3N_4 nanocomposite film coated meshes*	Major	DST-SERB EMR/2016/003326	2017 to 2020	24.3 lakhs	On going
2	*Fabrication of transparent conducting oxide films using three different low-cost techniques for solar cell applications*	Major	UGC MRP-28-40/2011 (SR)	2011 to 2014	15.96 lakhs	13 November 2014
3	*Fabrication of potentially important low resistance ZnO thin films for photovoltaic applications*	Major	CSIR 03(1321)/14/ EMR-II	2014 to 2017	10.32 lakhs	October 2017
4	*Gas sensors using tin oxide thin films prepared by spray pyrolysis technique*	Minor	UGC MRP2380/06/ (UGC-SERO)	2007 To 2009	0.55 lakhs	1st April 2009
5	*Fabrication of low cost solar cell layers using a simplified spray pyrolysis technique*	Minor	TNSCST S&T/PS/AR/Phy/2009	2009 to 2011	1.98 lakhs	14th August 2012

ANNEXURE – IX

SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED

Sl. No.	Title of the Seminar/Conference/Symposia Workshop	Name of the Sponsoring Agency	Amount Sanctioned (Rs.)	Period	UC submitted If Yes, Date and Year
1.	UGC Sponsored National conference on "**Recent Trends in Nano Materials and Thin Films Research (RTNMTR-2015**	**UGC**	55,000	03-04th March, 2015	20th May 2015
2.	National Conference on **"Recent Developments in nano materials and thin film Research- RDNMTR- 2017"**	Management		04-05th March, 2017	
3.	National conference on **"Recent Developments in nano materials and thin film Research- RDNMTR-2018"**.	Management		09-11th February, 2018	
4.	Workshop on **"Research Methodology, Scientific Writing and Statistical Data Analysis-2018"**	Management		5th -6th October, 2018	
5.	Seminar on "**Creation of Scientific Awareness"- 2019**	TNSCST	60,000	6th – 8th February, 2019.	April 2019

ANNEXURE – X

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

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1	S. Saranya	Studies on the properties of annealed Sn+F doped ZnO films	2013	Bharathithasan University
2	D. Udhayachandren	Investigation of structural, optical and magnetic properties of ZnO:Ag:Mn:F nanopowder	2015	Bharathithasan University
3	R. Kowshalya	Influence of Mo and F doping on certain properties of ZnO thin films	2016	Bharathithasan University
4	P. Rajalakshmi	Study on sulphur deficiency defect prevalent in silar deposited CdS films	2016	Bharathithasan University
5	A.Sivakama Sundari	Influence of Ta doping on the structural,surface morphological and electrical properties of ZnO thin films	2016	Bharathithasan University
6	R. Vijayakumar	Investigation on the structural, optical and surface morphological properties of Mo+F doped ZnO thin films	2016	Bharathithasan University
7	R. Chandrasekaran	Synthesis and Characterization of Cu+GO doped ZnO nanopowder using a simole soft chemical method	2016	Bharathithasan University
8	2015. Anitha	Deposition and Characterization of CdS thin films using silar technique for solar cell applications	2016	Bharathithasan University
9	P. Ilakkiya	Photocatalytic studies of ZnO/g-C3N4/Ag film deposited using Nebulizer Spray Technique for dye degradation application	2017	Bharathithasan University
10	M. Nagu	Fabrication of ZnO:g-C3N4 coated stainless steel meshes for the decomposition of organic dyes	2017	Bharathithasan University
11	2016. Pandi	Structural, surface morphological and antibacterial studies of ZnO nanopowder	2017	Bharathithasan University
12	R. Vaitheswari	Photocatalytic, Optical and Surface Morphological studies of	2018	Bharathithasan University

		ZnO/g-C3N4 composite thin films		
13	S. Ganapathi	Copper and Graphene doped ZnO nanopowders for enhanced photocatalytic activities	2018	Bharathithasan 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**
1.	Dr. K. Saravanakumar	Effect of simultaneous doping of fluorine and certain metallic cations on the physical important ZnO nanopowder synthesized via a simple soft chemical route	2010-2012	Bharathidasan University
2	Dr. V. Senthamil Selvi	Investigation of the stoichiometry and certain physical properties of nano-crystalline CdS thin films deposited using SILAR technique and study of their suitability for low-cost solar cell application	2010-2013	Bharathidasan University
3	Dr. N. Jabena Begum	Enhancement of transparent conducting properties of spray al-doped ZnO films by controlling certain crucial process parameters	2010-2012	Bharathidasan University
4	Dr. K. Thirumurugan	Role of Al and Zn incorporation on the transparent conducting properties of sprayed SnO2 films suitable for applications in transparent electronics	2012-2014	Bharathidasan University
5	Dr. S. Snega	Tuning the nicro-structural and physic-chemical properties of ZnO nanopowders and thin films through Mg and F doping for opto-electronic and anti-bacterial applications	2012-2014	Bharathidasan University
6	Dr. R. Mohan	Influence of spray flux density and annealing on the transparent conducting and photocatalytic properties of sprayed doubly doped (Sn+F) Zno films	2012-2014	Bharathidasan University
7	Dr. A. Anandhi	Influence of aging time of the starting solution, annealing and thickness of SnO2:F overlayer on the transparent conducting properties of Zno:F films	2013-2015	Bharathidasan University
8	Dr. K. Karthika	Investigation of magnetism and antibacterial properties of doped	2013-2015	Bharathidasan University

		zinc oxide nanopowders synthesized using a simple soft chemical route		
9	Dr. M. Vasanthi	Study on certain physical and antibacterial properties of doped ZnO thin films deposited using two different low cost deposition techniques	2012-2015	Bharathidasan University
10	Dr. N. Nisha Banu	Analysis of sulphur deficiency defect prevalent in SILAR deposited CdS based thin films and its rectification by employing an Bharathidasan University improved SILAR technique	2013-2014	Bharathidasan University
11	Dr. R. Rathi	Effects of Fe, Fe+F and Ce doping on the photocatalytic and antibacterial activities of ZnO nanopowder synthesized using soft chemical method	2013-2018	Bharathidasan University
12	Dr. P. Rajkumar	Enhancement of transparent conducting properties of SILAR and Sol-Gel deposited ZnO thin films through vacuum annealing and Zr+F doping.	2013-2015	Bharathidasan University
13	Dr. A. Manivasagam	Enhancement of ammonia gas sensing efficacy of ZnO thin films deposited using a low-cost jet nebilizer spray techniques through Sn/Ta/Cr	2015-2017	Bharathidasan University
14	Dr. N. Dineshbabu	Combined effects of certain cationic (Sb/Mo) and anionic (F) dopants on the transparent conducting properties of Zno thin films for photovoltaic applications	2015-2017	Bharathidasan University
15	Dr. K. Nithiyadevi	Effect of certain reinforcing fillers (Ag, Co, Mg, RGO and Bamboo charcoal) on the photocatalytic and anti-bacterial properties of ZnO matrix nanocomposites	204-2017	Bharathidasan University
16	Dr. K. Subha	Enhancement of quality factor of spray deposited transparent conducting oxide thin films through different approaches: Doping, Annealing, metal layer sandwiching and aging the starting solution.	2014-2017	Bharathidasan University
17	Dr. N. Chidambaram	Cost effective fabrication of ZnO nanostructures activated by certain two dimensional carbonaceous materials for enhanced photocatalytic dye degradation	2014-2017	Bharathidasan University
18	Dr. R. Uma	Cost-effective fabrication of g-C_3N_4 graphene oxide +Ag and Co+F activated ZnO photocatalyst	2014-2017	Bharathidasan University

		for enhanced visible light responsive dye degradation		
19	Dr. E. Sindhuja	Fabrication of Ag, g-C_3N_4 and Mo incorporated ZnO photocatalyst in thin film form with enhanced dye degradation	2015-2018	Bharathidasan University
20	S. Porkodi	Pursuing	2016-2019	Bharathidasan University
21	K. Kalpana	Pursuing	2016-2019	Bharathidasan University
22	A. Siva Jyothi	Pursuing	2018-2021	Bharathidasan University
23	C. Dhanraj	Pursuing	2018-2020	Bharathidasan University
24	D.S. Vasanthi	Pursuing	2018-2021	Bharathidasan University
25	K. Shantha seelan	Pursuing	2018-2020	Bharathidasan 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)
Rajah Serfoji Govt. College (Autonomous), Thanjavur	---	2013-14	---	---	---	---
PRIST University, Vallam, Thanjavur	---	---	2013 – 15 2014 – 16	---	---	---
E.V.R. College, Tiruchirappalli.	---	---	2014 -2017	---	---	---
Bharath College of Science and Management, Thanjavur.	---	---	---	---	---	Interview Committee (2014)
Thanthai Hans Roever College, Perambalur.	---	---	---	---	---	Judge for Quiz Competition (2014)
Noorul Islam Centre for Higher Education, Deemed to be University, Nagarcoil	---	---	2016-2019	---	---	---
Rajah Serfoji Govt. College (Autonomous), Thanjavur	---	2014-15	---	---	---	---
Government Arts College for Women, Pudukottai	---	2015-16	---	---	---	---
Urumu Dhanalakshmi College, Tiruchirappalli	---	---	2016- 19	---	---	---
A.V.C. College, Mannampandal	---	2016-17 2018-19	2018 – 20	---	---	---
Periyar Maniyammai University, Vallam, Thanjavur	---	---	2018-2020	---	---	---

ANNEXURE – XIII

SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES

Sl. No.	Name of the Activity	Period
1.	Research Advisory Committee	2016-17, 2017-18, 2018-till date
2.	Member of IQAC	2016
3.	Doctoral Committee	2013
4.	Doctoral Committee	2017
5.	Doctoral Committee	2017

ANNEXURE – XIV

MEMBERSHIP IN PROFESSIONAL BODIES

Name of the Professional Body	National/International	Period
Fellow of the Academy of Sciences, Chennai	National	2017
Member of Materials Research Society of India	National	2016

ANNEXURE – XV

HONORS AND AWARDS RECEIVED

1.	Excellent article award from Journal of **Materials Science and technology**
2.	Certificate for highly Cited Research in **Journal of Physics and Chemistry of Solids**
3.	Certificate for outstanding contributions in reviewing from **Ceramics International**
4.	Certificates for outstanding contributions in reviewing from **Materials Chemistry and Physics**
5.	Certificate for outstanding contribution in reviewing from **Journal of Alloys and Compounds**
6.	Certificate for outstanding contribution in reviewing from **Material Science and Semiconductor Processing**
7.	Certificate for outstanding contribution in reviewing from **Thin Solid films**
8.	Certificate for outstanding contribution in reviewing from **Applied Surface Sciences**
9.	Certificate for outstanding contribution in reviewing from **Material Science and Engineering B**
10.	Certificate for outstanding contribution in reviewing from **Materials Research Bulletin**
11.	Certificate for outstanding contribution in reviewing from **OPTIK-International Journal for light and Electron optics.**