



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



STAFF PROFILE as on : 01.06.2018

1.	Name of the Staff	:	Dr.K.Balakrishnan									
2.	Designation	:	Associate Professor									
3.	Academic Qualification	:	M.Sc	M.Phil	Phd							
	Course		UG	PG	M.Phil	Ph.D.						
	Year		1983	1985	1990	2009						
	College & University		A.V.V.M.Sri Pushpam College, Poondi Madras University	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy	Alagappa University, Karaikudi						
4.	Date of Birth & Age	:	13.05.1963 & 56 Years									
5.	Date of Appointment	:	Self - Finance	:	D	D	M	M	Y	Y	Y	Y
			FIP	:								
			Aided	:	1	1	0	4	1	9	9	1
6.	Total Service	:		32Yrs								
7.	Teaching Experience in completed years	:	UG	32	PG	30	M.Phil.	22				
8.	Residential Address	:	21/1, Varikandan Street, Ammapet, Thanjavur (Dt.) - 614401									
	Mobile Number	:	9443564231									
	Adhar no	:	6777 6298 6403									
	E-Mail Address	:	balki63@gmail.com									
9.	No. of Orientation / Refresher Courses and Training Programmes attended	:		Annexure - I								
10.	Whether FDP availed, if yes, furnish details	:	2	Annexure - II								
11.	No. of Seminars attended	:	10	Annexure - III								
12.	No. of Papers Presented	:	13	Annexure - IV								
13.	No. of Papers Published	:	21	Annexure - V								
14.	No. of Books Published	:	0	Annexure - VI								
15.	No. of Guest Lectures delivered in other institutions	:	3	Annexure - VII								
16.	No. of Research Projects undertaken	:	Minor	Nil	Major	Nil	Others (Specify)	Nil	Annexure - VIII			
17.	No. of Seminars organised	:	Nil Annexure - IX									
18.	No. of M.Phil. Scholars Guided	:	Completed	33	Ongoing	3	Annexure - X					
19.	No. of Ph.D. Scholars Guided	:	Awarded	3	Ongoing	5	Annexure - XI					
20.	Participation in Academic Research Bodies in other institutions	:	1	Annexure - XII								
21.	Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching	:	1	Annexure - XIII								
22.	Service rendered in Professional bodies outside the College	:	-	Annexure - XIV								
23.	Honors / Awards received	:	Nil	Annexure - XV								

[Handwritten Signature]
Signature of the Staff

Note: Evidence should be produced at the time of verification of the Profile.

ANNEXURE – I**DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:**

SL. NO.	COURSE	UNIVERSITY	PERIOD	TITLE
1.	Orientation Course	Pondichery University	03.06.1993 30.06.1993	Orientation Course
2.	Refresher Course	Bharathidasan University, Trichy	21.09.2001 12.10.2001	Chemistry
3.	Refresher Course	Annamalai University	23.11.1998 16.12.1998	Chemistry
4.	Refresher Course	Bharathidasan University, Trichy	05.10.2002 25.10.2002	Chemistry

ANNEXURE – II**WHETHER FDP AVAILED, IF YES, FURNISH DETAILS**

Name of the institution	Period of Study	Date of submission	awarded
Alagappa University, Karaikudi	31.03.2003 to 25.03.2003 (11 months 25 days)	July 2008	August 2009
Alagappa University, Karaikudi	22.11.2001 To 27.03.2002 (4 month 5 days)	2001	2002

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.	Recent Trends in Materials Science	National Seminar	Alagappa University, Karaikudi	3 rd May, 1999
2.	Energy saving in Dyeing of Polyester Fabric involving solvent Pretreatments	National Conference	Conference Indian Council of Chemistry IIT Roorkee (Uttaranchal)	17 th to 19 th October 2003
3.	National Symposium on Environmental Friendly Textile Processing (NSEFTP – 2004)	National Symposium	A.V.V.M.Sri Pushpam College, Poondi	19 th & 20 th February 2004
4.	Emerging Trends in Risk Assessment and Remedial Measures of Environmental Pollution	State level Seminar	UGC Sponsored Dept. Of Chemistry TBML College, Porayar	11&12 August 2005
5.	Understanding International Colour Fastness Tests for Textiles	National Seminar	S.S.M. Institute of Textile Technology, Komarapalayam, Tamilnadu	17 th July 2005
6.	National Conference on Research Trends in Chemistry (NCRTC – 2007)	National Conference	Dist – FIST Sponsored Bishop Heber College, Trichy	12 th October 2007
7.	Treatment of Dye House Effluents using advanced Oxidation Process	State level Seminar	UGC Sponsored TBML college, Porayar	11 th &12 th August 2005
8.	Role of Question Bank in Higher Education	National Seminar	A.V.V.M.Sri Pushpam College, Poondi	20 th January 2007
9.	Recent Advances in Textile and Electrochemical Sciences (RATES – 2009)	National Conference	Alagappa University, Karaikudi	4 th & 5 th 2009
10.	Dyeing Behaviour of Natural Dye	International Conference (ICEGT)	Periyar Maniammai University, Vallam, Thanjavur	27 th to 30 th July 2011

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.	Dyeing Behaviour of Natural Dye	National Conference	Conference Indian Council of Chemistry IIT Roorkee (Uttaranchal)	17 th to 19 th October 2003
2.	Energy saving in Dyeing of Polyester Fabric involving solvent Pretreatments	International Conference (ICEGT)	Periyar Maniammai University, Vallam, Thanjavur	27 th to 30 th July 2011
3.	Treatment of Dye House Effluents using advanced Oxidation Process	State level Seminar	UGC Sponsored TBML College Porayar	11 th &12 th August 2005
4.	Role of Question Bank in Higher Education	National Seminar	A.V.V.M.Sri Pushpam College, Poondi	20 th January 2007
5.	Extraction of Eco-Friendly Natural Dye from Butea Frondosa for Dyeing and Printing	National Seminar	Alagappa University, Karaikudi	3 rd May, 1999
6.	Extraction and Dyeing behaviour of Natural Dye from the flowers of Sesbania Aegyptiaca	National Symposium	A.V.V.M.Sri Pushpam College, Poondi	19 th & 20 th February 2004
7	Study on the influence of trichloro ethylene pre-treatment on the dyeing and other physico-chemical behaviour of 100% polyethylene terephthalate fabric	International	Alagappa University	March 21 to 23 2013
8	Extraction and application of eco-friendly natural dye obtained from flower of acacia eburnea (L.F) yield on cotton fabric	International	Madras University	28-30 December 2015
9	Synthesis and spectral characterisation of a new class of 4-pyrazole substituted 1,4 dihydropyridines via multi component reaction	International	Jamal Mohamed college , Trichy	17 Dec 2015
10	A study on the effect of Azeotropic solvent mixture pre treatment on the crystallinity and dyeing behaviour of polyester / cotton composite fibre	International seminar	Alagappa university, karaikudi	2015
11	Synthesis of highly solar active Fe ₂ (MO ₄) ₃ nanocatalyst for the degradation of Rhodamine B	National seminar	Alagappa university	2017
12	Soil analysis in some villages of Ariyalur district – a study	National seminar	A.V.V.M.Sri Pushpam College, Poondi	2017

13	Extraction and application of Eco-Friendly natural dye obtained from flower of <i>Acacia eburnea</i> (L.F) Willd on cotton Fabric	International Seminar	Alagappa University, Karaikudi	2017
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ANNEXURE - V

RESEARCH PAPERS PUBLISHED:

Sl. No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
1.	Vibrational conformational and electronic structure investigations of <i>o</i> -dibromo- <i>o</i> -xylene and <i>m</i> -dibromo- <i>m</i> -xylene and <i>p</i> -dibromo- <i>p</i> -xylene	ELSEVIER Spectrochemical Act Part A Molecular and Biomolecular Spectral copy	Part A91 Vol – 85A	Jan 2012	166 to 177
2	Combined Spectroscopic and DFT Studies on 2-chloro-2-nitro-toluene and 4-chloro-2-nitrotoluene	ELSEVIER Journal of molecular structure	1016	2012	82-96
3	Eco-friendly dyeing of cotton fabric using the natural mordants	International journal of chemical research	2	Feb 2015	54-58
4	Adsorption of methylene Blue Dye on Terminate soil	International Journal of Bio and Nano Science	2(8)	August 2015	175-184
5	Photo catalytic activity of chromium doped nano titania for the mineralization of dichlorvos	International journal of environmental nano technology	4(3)	September 2015	17-23
6	Eco-friendly dyeing of cotton fabric with a natural dye extracted from flowers of <i>Dichrostachys cinerea</i>	Advances in Applied Science Research	6(11)	2015	68-75
7	A study of extraction and dyeing behaviour of natural dye obtained from cotton a study	International organization of scientific research	8(5)	May 2015	
8	A study on extraction and application of eco-friendly natural dye extracted from flowers of <i>dichrostachys cinerea</i> on silk fabric using of chemical mordants	International journal of advanced research	4(1)	2016	1053-1059
9	A Study on Extraction and Application of Eco-Friendly Natural Dye Extracted from Flowers of <i>Hibiscus Vittifolius</i> on Silk Fabric using combination of Mordants and their Antimicrobial Activity	<i>Research Journal of Recent Sciences</i>	5(4)	2016	39-45

10	Extraction and Application of Eco- Friendly Natural dye Obtained from Flower of <i>Acacia eburnea</i> (L.f.) Willd on Cotton Fabric	SOJMater Sci Eng	4(1)	2016	
11	Extraction and application of eco- friendly natural dye obtained from flower of <i>Acacia eburnea</i> (L.f.) willd on silk fabric	Der Sinica Chemica	7(3)	2016	62-67
12	Photocatalytic Degradation of Dichlorvos using Graphite Oxide Based Catalysts	J.Environ. Nanotechnol.	5(2)	23.03.2016	4-10
13	Termite Soil As A Potential Low - Cost Adsorbent For The Removal Of Methylene Blue Malachite Green Dyes	Journal of Advanced applied scientific Research	1(4)	Aug 2016	53-74
14	Room – Temperature superparamagnetism and Enhanced Photocatalytic Acitivity of Magnetically Reusable Spinel ZnFe ₂ O ₄ Nanocatalysts	Springer		April 2017	
15	Comparative study of structural, Morphological, Magneto – Optical and Photo – Catalytic properties of Magnetically Reusable Spinel MnFe ₂ O ₄ Nano	Journal of Nanoscience and Nano Technology	17	2017	1-9
16	Synthesis and evaluation of anti-inflammatory activity of silver nanoparticles from <i>Cissus vitiginea</i> leaf extarct	Journal of Nanoscience and Nano Technology	3(3)	2017	266-269
17	Characterization of bioactive compounds in Ethanolic Extract of <i>Cissus Vitiginea</i> Leaves Using Gc- Ms technique	IOSR journals of scientific research	10(9)	Sep 2017	
18	A study on phytochemical analysis in <i>cissus vitiginea</i> leaves using HPLC, UV-Vis and FTIR techniques	International journal of scientific research	7(1)	January 2018	93-86
19	In vitro antioxidant activity of <i>cissus vitiginea</i> leaves and its silver nanoparticles	World journal of pharmaceutical research	7(11)	April 2018	
20	Comparative Study of Chemical and Natural Mordant Using Cotton Fabric with Natural Dye Extracted From Flowers of <i>Dichroatachys Cinerea</i> L	International Journal of Scientific Research and Review	7(7)	July 2018	
21	Dyeing behaviour antimicrobial study and Phytochemical screening of natural dye extracted from the flowers of <i>acacia eburnean</i> willd	International journal of scientific research and review	7(9)	Sep 2018	84-91

ANNEXURE – VI**BOOKS PUBLISHED:**

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

ANNEXURE – VII**GUEST LECTURES DELIVERED:**

Sl. No.	Title of the Guest Lecture	Place	Date
1.	Self Employment	Enathi Rajappa Arts and Science College, Pattukottai	24/08/2004
2	You Can Become an Entrepreneur	Gundavai Nadchiyar Womens College, Thanjavur	25.01.2017
3	NMR Spectroscopy	A.V.V.M Sri Pushpam College, Poondi	23.01.2018

ANNEXURE – VIII**RESEARCH PROJECTS – ONGOING AND COMPLETED: NIL****ANNEXURE – IX****SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED: NIL****ANNEXURE - X****Research Experience (M.Phil.) – Guided**

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1.	S.Selvakumar	Optimization of Dyeing Conditions for Dyeing of <i>Coir</i>	2005	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy
2.	K.Sivaraj	Effect of Temperature on the Dyeing of P/C Blends using Reactive Dyes	2005	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy
3.	P.Arthi	A Study on the Extraction of Eco-friendly Natural Dye from <i>Accacia Catcheu</i> for Dyeing	2006	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy
4.	G.Vishnuvardhanaraj	Extraction of Eco-friendly Natural Dye from <i>Anthocephalus</i> for Dyeing of Cotton and Wool	2007	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy
5.	M.Jayalakshmi	Studies on Extraction of Eco-friendly Natural Dye from <i>Caesalpinia Pulcherrima Swartz</i> for Dyeing of Cotton, Silk and Wool Fabrics	2007	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University, Trichy

6.	V.Thamil Priya	Application of Natural Dye extracted from <i>Jatropha Curcus</i> leaves on Cotton, Silk and Wool	2008	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
7.	K.Kavitha	Extraction and Dyeing behavior of Natural Dye from <i>Odina Wodier Bark</i> – A Study	2008	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
8.	S.Kabilan	Analytical methods validation for the estimation of <i>Felopipine</i> in blend sample	2008	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
9.	S.Russiarani	An Eco-friendly Dyeing of Wool by a Natural Dye from <i>Nymphaea Lotus Rubra</i> and characterization	2009	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
10.	R.Yamunadevi	Characterization and Antimicrobial behavior of Natural Dye from <i>Ventiloga Madres Patana</i> – A Study	2009	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
11.	R.Muthukannan	Dyeing behavior and Antifugal activity of Natural Dye extracted from <i>Cassia alata</i> Linn. flower on Cotton Fabric using different Mordants	2010	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
12.	V.Bargavi	An investigation of the extraction and Dyeing behavior of Natural Dye from <i>Tamarindus Indicus</i> for Dyeing of Cotton and Silk	2010	A.V.V.M.Sri Pushpam College, Poondi Bharathidasan University,Trichy
13.	N.Nithya	Extraction of Eco-friendly Natural Dye from <i>Ventilago Maderaspatana</i> for Dyeing of Cotton and Silk	2007	Distance Education Bharathidasan University.
14.	M.Mariappan	Quality analysis of Water and <i>Gandharvakkottai</i> Area in Pudukkottai District	2007	Distance Education Alagappa University.
15.	U.Rajapriya	Analysis of Soil samples collected from different areas of <i>Mahimalai</i> Village	2007	Distance Education Bharathidasan University.
16.	K.Radha	Assessment of Irrigation Water Quality in <i>Thiruppathur</i> Village	2007	Distance Education Bharathidasan University.
17.	M.Muruganantham	Effect of Polyelectrolyte PAC-09 high molecular anionic polymer – Excellent <i>Flocculant</i> in Industrial raw water clarification process	2008	Distance Education Annamalai University, Annamalai Nagar
18.	N.Manimekalai	Extraction of Eco-friendly Natural Dye from Dust of <i>Pterocarpus Dalbergoides</i> for Dyeing of Cotton and Polyester	2007	Periyar University,Salem
19.	D.Mohanasundaram	A Phytochemical study of <i>Antilipid Peroxidation</i> activity using <i>Albino Rats</i>	2007	Periyar University,Salem
20.	S.Jayalakshmi	Dyeing of Silk using Eco-friendly Natural Dyes extracted from the mixture of leaves of <i>Ehretia Microphylla</i> and Sap of <i>Cassia Marginata</i> in various conditions	2007	Periyar University,Salem
21.	M.Balasubramanyan	Analysis of Soil samples collected from <i>Avuri Thial</i> area of <i>Pathur</i> village	2010	Periyar University,Salem

22	R.Saranya 10CH557	Studies on coated cathode material for lithium ion battery	2010-2012 & Aug 2013	Bharatyhidasan university
23	G.Sivaranjani 12CHB561	Extraction and dyeing of eco-friendly natural dye from thespesia populinea on cotton using combination of mordents	2012-2013 & Dec 2013	Bharatyhidasan university
24	K.Balasubramanian 13CHB706	Analaysis of N.P.K content and micro nutrients in the soil samples collected from mollakkarai village, vedaraniam taluk, Nagapattinam District, Tamilnadu	2014-2015 & Dec 2015	Bharathidasan university
25	K.Anitha 16CHB754	Analysis of soil samples collected from kottur block, Thiruvarur district, Tamilnadu	2016-2018 & Aug 2018	Bharathidasan University
26	K.Thamiarasi 16CHB755	Dyeing of cotton with eco-friendly natural dye extracted from flowers of <i>Tagetes erectal</i>	2016-2018 & Aug 2018	Bharathidasan university
27	S.Karthika 15CHB551	Synthesis of highly solar active FePo ₄ nanocatalyst for the degradation of Rhodamine B	2015-2016 & Dec 2016	Bharathidasan University
28	M.Priya 14CHB751	Water quality assessment of Borewell water in and around Pattukottai Block, Thanjavur District, Tamilnadu – A study	2014-2016 & Dec 2016	Bharathidasan University
29	R.Nandhini (16CHB552)	Analysis of drinking water	2016-2017 & Sep 2017	Bharathidasan University
30	V.Manjula (15CHB754)	A study on the soil fertility few villages of Paapansam Block, Thanjavur Diatrick	2015-2017	Bharathidasan University
31	C.Prabhu (13CHB711)	study on the soil fertility few villages of Kodavasal Block, Thiruvarur Diatrick	2013-2015	Bharathidasan University
32	P.Srinithi (17CHB554)	Synthesis of Urea and sulphonylurea derivatives by β -elimination of chloroform strategy	2017-2018	Bharathidasan University
33	K.Vinothkamili (13CHB503)	Adsorption study of using activated carbon	2013-2014	Bharathidasan University

ANNEXURE – XI

Research Experience (Ph.D.) – Guiding

Sl. No.	Name of the Scholar	Title of the Thesis	Year of Viva	University
1.	T.Rajachandra Sekar	PHOTOCATALYTIC MINERALISATION OF DICHLORVOS USING MODIFIED NANO TiO ₂ CATALYST	Nov 2017	Bharathidasan University, Trichy
2	S.Russiarani	A STUDY ON THE REMOVAL OF SOME DYES USING TERMITE SOIL AS AN ADSORBENT	Dec 2017	Bharathidasan University, Trichy
3	N.Gopal	Phytoremediation of selected heavy metals from Industrial waste water	Doing	Bharathidasan University, Trichy

4	Mr.A.Silambarasan	NOVEL SYNTHESIS AND CHARACTERIZATION STUDIES OF SPINEL FERRITE NANO_PHOTOCATALYSTS	Dec 2018	Bharathidasan University
5	Mr.S.Thiyagarajan	Dyeing Behaviour, Characterization And Antimicrobial Study Of Natural Dyes Extracted From The Flowers of Some Indian Plants	Doing	Bharathidasan University
6	Mr.R.Muthukannan	Electro chemistry	Doing	Bharathidasan University
7	Ms.S.Tamilarasi	Photocatalysis	Doing	Bharathidasan University
8	Mr. I. Gnanasundaram	GREEN SYNTHESIS, CHARACTERIZATION AND EVALUATION OF THEBIOLOGICAL ACTIVITIES OF SILVER NANOPARTICLES USING Cissus vitigineaLEAF EXTRACT	Submitted	Bharathidasan University

ANNEXURE – XII

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

Sl. No.	Name of the Activity	Period
2.	Innovative curriculam designing and evaluation	13,14 Aug 2015

ANNEXURE – XIII

SERVICE IN ACADEMIC ACTIVITIES

Sl. No.	Name of the Activity	Period
1.	Additional chief superindentant in examination committee	2003-2006

ANNEXURE – XIV

MEMBERSHIP IN PROFESSIONAL BODIES:NIL

ANNEXURE – XV

HONORS AND AWARDS RECEIVED: NIL