

**Aditanar College of Arts and Science  
Virapandianpatnam – 628216  
Tiruchendur  
Bio - Data**

<b>Name of the Department</b>	: PG Department of Chemistry
<b>Name of the faculty member</b>	: <b>P. MUHAMBIHAI</b>
<b>Qualification</b>	: M.Sc., M.Phil., Ph.D.
<b>Present Designation</b>	: Assistant professor
<b>Vidwan id</b>	: 431085
<b>Residential Address</b>	: 40/15, Thiaikaval Street, Arumuganeri-628202, Tuticorin District.
<b>Contact Nos.</b>	: 9698386560
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<b>Gender</b>	: Female
<b>Community</b>	: BC
<b>Date of Birth and Age</b>	: 20/05/1986, 37 years
<b>Date of joining</b>	: 08/12/2010
<b>Date of Retirement</b>	: 20/05/2046



**I. Particulars of Educational Qualification :**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	Chemistry	2007	Kamaraj college of arts science, Tuticorin	M.S. University, Tirunelveli	74.8	First
PG	M.Sc.	Chemistry	2009	Aditanar college of arts science, Tiruchendur	M.S. University, Tirunelveli	68.4	First
M. Phil	M. Phil	Chemistry	2010	Aditanar college of arts science, Tiruchendur	M.S. University, Tirunelveli	64.2	First
Ph.D.	Ph.D.	Chemistry	2023	Aditanar college of arts science, Tiruchendur	M.S. University, Tirunelveli	-	-

**II. Additional Qualification NET/SLET** : Passed Visharadh Uttarardh Hindi exam (level 7)

**III. Title of Ph.D. Thesis** :  
: Synthesis, Characterisation and Applications of Nanomaterials – Nanoparticles and Nanocomposites.

**IV. Faculty/Discipline/Subject in which Ph.D. was awarded**

**(i) Research papers published in the Journals** : Attached

**(ii) Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings** : Attached

No. of Candidates Completed Ph.D. under your Guidance

No. of candidates doing Ph.D. under your Guidance

**V. Academic Experience:**

Name of the College	Whether Govt/Aided/ S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Aditanar College of Arts and Science Tiruchendur	S.F	Assistant Professor	08.12.2010 to till date	-	12	10	10
<b>Total</b>					12	10	10

**VI. Administrative/other Experience**

: Organized one state level and Two National level conference

**VII. Other Relevant Information**

: Alumni Association member from 2012

It is certified that all the information provided are true to the best of my knowledge.



Signature of the Faculty

**(i). Research papers published in the Journals:**

S.No	Title of the Paper	Name of the authors	Name of the Journal	Volume, Issue, Page No, Year	ISSN Number	Is it listed in UGC Care list
1.	Synthesis and Characterization of DETA-MMT nanocomposites and its applications for the removal of conged.	P. Muhambihai	International Journal of science and technology	2014, pp. 98-102	2321-191X	No
2.	Synthesis and Characterisation of low cost chitosan bio polymer and its nanocomposites and their removal of cationic dyes by adsorption studies.	P. Muhambihai	International Journal of science and technology	2014, pp. 117-122	2321-191X	No
3.	Calcination of red soil and black soil used for the degradation of aniline blue dye	P. Muhambihai	International Journal of Scientific Research and Reviews	8 (1), 2019, pp. 1714-1726	2279-0543	No
4.	Catalytic degradation of Organic dye using ZnO nanoparticles and its nanocomposites with Calcinated black soil	P. Muhambihai	International Journal of scientific Research and Review	2019, pp. 164-170	2279-543X	No
5.	Photocatalytic degradation of aniline blue, brilliant green and direct red 80 using NiO/CuO, CuO/ZnO and ZnO/NiO nanocomposites	P. Muhambihai	Environmental Nanotechnology, Monitoring & Management	14(4), 2020, no. 100360, pp. 1-19	2215-1532	Yes
6.	Removal of BG dye in Sun light and Dark using NiO and its composites with CuO and ZnO	P. Muhambihai	Journal of Advanced Scientific Research	11(1), 2020, pp. 358-364	0976-9595	Yes

**(ii). Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings**

S.No.	Title of the Chapter/paper	Name of the authors	Title of the Book/ Proceedings of the conference	Name of the conference	National/ International	Year of publication	ISBN number of Book/ proceedings	Publisher/Affiliating Institute at the time of Publication
1.	Synthesis and Characterisation of maghemite nanoparticles and maghemite/ Amberlite nanocomposites and their application for the removal of heavy metal ions from waste Water	P. Muhambihai	A Treatise on Modern Trends in Chemical Sciences	Modern Trends in Chemical Sciences	National	July-2014.	ISBN: 978-93-81723-25-8.	Department of Chemistry, VHNSN college (Autonomous), Virudhunagar.
2.	Adsorption and Photocatalytic Degradation of CV and DR 80 Using CuO nanoparticles	P. Muhambihai	A treatise on New Advances in Chemistry and Materials	New Advances in Chemistry and Materials	International	January 5, 2016.	ISBN: 978-93-5258-2365.	Department of Chemistry , Sarah Tucker college, Tirunelveli.
3.	A Study on the synthesis, characterization and Adsorption of ZnO Nanoparticles, Amberlite IR 120 and ZnO/ Amberlite nanocomposites	P. Muhambihai	A treatise on New Advances in Chemistry and Materials	New Advances in Chemistry and Materials	International	January 5, 2016.	ISBN: 978-93-5258-2365.	Department of Chemistry , Sarah Tucker college, Tirunelveli.
4.	Degradation of aniline blue using NiO and its composites with CuO and ZnO	P. Muhambihai	A treatise on Recent advances in Bioinorganic and Medicinal chemistry	Recent advances in Bioinorganic and Medicinal chemistry	National	February 15, 2017	ISBN: 978-93-81723-63-0	Department of Chemistry, VHNSN college (Autonomous), Virudhunagar.
5.	Sunlight aided Photocatalytic Degradation of Aniline Blue dye using CRS : A novel route for dye degradation	P. Muhambihai	Frontier Areas in chemical Sciences	Frontier Areas in chemical Sciences	National	June 22, 2017.	ISBN: 978-93-81723-69-2,	Department of Chemistry , VHNSN college (Autonomous), Virudhunagar.
6.	Photocatalytic degradation of dyes using calcinated red soil and its nanocomposites with transition metal oxides under sunlight	P. Muhambihai	Emerging Materials and its Applications (ICEMA-2022)	Emerging Materials and its Applications	International	March 1, 2022	ISBN: 978-93-81402-55-9,	Department of Chemistry, M. S. University Tirunelveli

7.	Photocatalytic degradation of dyes using calcinated red soil and its nanocomposites with transition metal oxides under sunlight	P. Muhambihai	Emerging Materials and its Applications (ICEMA-2022)	Emerging Materials and its Applications	International	March 1, 242, 2022	ISBN NO : 978-81-956471-0-1	Department of Physics, St. Xavier's College (Autonomous), Palayamkottai
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