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

Name of the Department	**:** PG Chemistry
Name of the faculty member	**:** Dr. N. KOHILA
Qualification	**:** M.Sc., M.Phil., Ph.D., SET
Present Designation	**:** Assistant professor and Head
Vidwan id	**:** 430985
Residential Address	**:** 8/35, Ramasamytharmapuram, Uthiramadankudieruppu (PO), Udangudi-628203.
Contact Nos.	**:** 9842738912 & 8072866406
Email	**:** kohila24@gmail.com
Gender	**:** Female
Community	**:** Hindu – Nadar
Date of Birth and Age	**:** 27-03-1986 &37
Date of joining	**:** 09.04.2010
Date of Retirement	**:-**

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	April 2006	Govindammal Aditanar College, Tiruchendur	MS University, Tirunelveli	91.7 %	First
PG	M.Sc.,	Chemistry	April 2008	Aditanar College of Arts and Science,Tiruchendur.	MS University, Tirunelveli	73.2 %	First
M. Phil	M.Phil	Chemistry	December 2009	Aditanar College of Arts and Science,Tiruchendur.	MS University, Tirunelveli	69.2 %	First
Ph.D.	Ph.D.	Chemistry	March 2021	MS University, Tirunelveli	MS University, Tirunelveli	-	-

II **Additional Qualification** : SET (February 2016)
NET/SLET

III **Title of Ph.D. Thesis** : Synthesis, Ion Exchange Behavior and Environmental Applications of Organic- Inorganic Hybrid Materials

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

List of Publications : (Attached)

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

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

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 (FDP & UG)	S.F	Assistant professor	09.04.2010	30.06.2013	3	2	24
Aditanar College of Arts and Science (PG)	S.F	Assistant professor	01.07.2013	Till date	10	3	19
				Total	**13**	**6**	**13**

VI Administrative/other Experience :

- Member in Women's Welfare Committee
- Organized two State Level Seminar and one National level Conference

VII Other Relevant Information :

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

Signature of the Faculty

Book chapters or Papers published in national/international conference/Seminar/ workshop proceedings

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
" Synthesis , physico-chemical characterization and ion exchange studies of a new hybrid 'organic-inorganic' nsanocomposite cation exchanger: poly-o-toluidine Bi(III) phosphotungstate".	N. Kohila	A Treatise on Modern Trends in Chemical Sciences	Modern Trends in Chemical Sciences	National	2014	978-93-81723-25-8	VHNSN college, Virudhunagar

" Synthesis and characterization of nano composite polyaniline Ce(IV) tungstomolybdate and its application as cation exchanger".	N. Kohila	International Journal of Science and Technology	Materials and Drug Chemistry (MDC-14)	National	2014	ISSN Number 2321-919X	Sarah Tucker College, Tirunelveli
"Ion-exchange characteristics of newly synthesised cerium(IV) iodooxalate and its catalytic activity in dye removal"	N. Kohila	Emerging Trends in Bio-inorganic Chemistry	Emerging Trends in Bio-inorganic Chemistry (ETBIC)	National	2015	978-93-81723-31-9	VHNSN college, Virudhunagar
Studies on synthesis and characterization of Reduced Graphite Oxide nanocomposites and their photocatalytic activity in textile dye degradation	N. Kohila	New Advances in Chemistry and Materials	New Advances in Chemistry and Materials	International	2016	978-93-5258-236-5	Department of Chemistry, Sarah Tucker College, Tirunelveli
Synthesis and physic-chemical characterization of Mg^{2+} selective Polyaniline Ce(IV)iodotungstate as composite ion exchanger	N. Kohila	New Advances in Chemistry and Materials	New Advances in Chemistry and Materials	International	2016	978-93-5258-236-5	Department of Chemistry, Sarah Tucker College, Tirunelveli
Bentonite nanocomposites as low cost material for adsorption of toxic Cr(III) & Pb(II) ions	N. Kohila	Recent Advances in Bio-inorganic and Medicinal Chemistry	Recent Advances in Bio-inorganic and Medicinal Chemistry	National	2017	978-93-81723-63-0	VHNSN college , Virudhunagar
Photocatalytic activity of RGO/ metal oxide nanocomposites	N. Kohila	Recent Advances in Bio-inorganic and Medicinal Chemistry	Recent Advances in Bio-inorganic and Medicinal Chemistry	National	2017	978-93-81723-63-0	VHNSN college , Virudhunagar
Application of white silica sand coated polyaniline composite as a low cost adsorbent in dye degradation	N. Kohila	Recent Advances in Bio-inorganic and Medicinal Chemistry	National Seminar on "Recent Advances in Bio-inorganic and Medicinal Chemistry"	National	2017	978-93-81723-63-0	VHNSN college , Virudhunagar

Synthesis and ion exchange characteristics of polyaniline – Cerium(IV) iodomolybdate, A new cation exchanger	N. Kohila	Frontier Areas in Chemical Sciences	Frontier Areas in Chemical Sciences	National	2017	978-93-81723-69-2	VHNSN college , Virudhunagar
Catalytic activity of polyaniline doped zirconium tungstate ion exchanger in MB dye degradation	N. Kohila	Recent Developments in the Applications of Transition Metal Complexes in Bioinorganic and Medicinal Chemistry	Recent Developments in the Applications of Transition Metal Complexes In Bioinorganic and Medicinal Chemistry	National	2017	978-93-81723-70-8	VHNSN college , Virudhunagar
Studies on synthesis and characterization of reduced graphite oxide nanocomposites and their photocatalytic activity in textile dye degradation	N. Kohila	Recent Developments in the Applications of Transition Metal Complexes in Bioinorganic and Medicinal Chemistry	Recent Developments in the Applications of Transition Metal Complexes In Bioinorganic and Medicinal Chemistry	National	2017	978-93-81723-70-8	VHNSN college , Virudhunagar
Dye degradation studies of methyl violet dye from aqueous solution using polyaniline – Bi(III) iodovanadate hybrid material	N. Kohila, K. Sathiyaseelan	Innovations in Science, Engineering and Technology	Innovations in Science, Engineering and Technology	National	2022	978-93-94293-01-4	Jeyaraj Annapackiam CSI College of Engineering
Synthesis and characterization of ZrO_2 doped Poly-o-toluidine nanocomposite	N. Kohila	Advanced Materials and their Applications	Advanced Materials and their Applications	National	2023	978-81-19042-16-6	Department of Chemistry and Research Centre, Aditanar College of Arts and Science, Tiruchendur, 15 January 2023.

Research papers published in the Journals:

Title of paper	Name of the authors	Name of journal	Volume, Issue, Page No, Year	ISSN number	Is it listed in UGC Care list
Removal of Cr(VI) using polyaniline based Sn(IV), Ce(IV) and Bi(III) iodomolybdate hybrid ion exchangers: Mechanistic and comparative study	N.Kohila & P.Subramaniam	Journal of Environmental Chemical Engineering	vol. 8, 2020, pp. 1-19	2213-3437, 7.968	Yes
A comparative study of ion exchange behavior and analytical applications of zirconium and tin based polyaniline hybrid cation exchangers	N. Kohila & P.Subramaniam	Reactive and Functional Polymers	Vol. 144, 2019, PP. 104341	1381-5148, 4.966	Yes
Preparation, characterization and ion-exchange properties of an organic inorganic composite cation exchanger: Polyaniline-Bi(III) iodovanadate	Kohila N*, Subramaniam P, Sathiyaseelan K and Sagaya Lourdhu Sumithra M.	International Journal of Chemical and Pharmaceutical Sciences	2019, pp. 32-35	0976-9390, 0.684	No
Preparation, Characterization and Ion-Exchange Properties of an Organic-Inorganic Composite Cation Exchanger: Polyaniline-Bi(III) Iodovanadate	Nainar Kohila, Kasi Sathiyaseelan and Mariyathanislas Sagaya Lourdhu Sumithra	Intech Open-Open Access Book	2020	DOI:http://dx.doi.org/10.5772/intechopen.87064	No