

## PROFILE

Name : Dr. N.M. Abdul Khader Jailani  
Designation : Associate Professor  
Department : PG Department of Chemistry  
Qualification : M.Sc, Ph.D., SLET  
Teaching experience : 23 yrs  
Research experience : 08 yrs  
Area of Specialization: Inorganic Chemistry, Electro Chemistry, Nanochemistry,  
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### Publications:

S.No	Category	Total
1.	International Journals	8
2.	National Journals	2
3.	Books/Chapters in Books/Books Edited	1
4.	Articles in magazines	1

### Research Supervisor

- Recognized as a Research Supervisor to guide Ph.D., registrants in chemistry by Madurai Kamaraj University.

### Publications in Journals:

S. No	Authors	Title of Article	Journal Name Vol. Year, page No	ISSN No. & Impact Factor
1.	A. Pauline Sheela, Mookkandi Palsamy Kesavan, N.M. Abdul Khader Jailani*, Nayagam Lenin	Poly(methyl methacrylate) - Gelatin Porous Polymeric Scaffolds for Controlled Drug Delivery	Journal of Porous Materials (Springer Nature) 29, pages1423– 1430 (2022)	ISSN:1573-4854; Impact Factor 2.496
2.	N.M.Abdul Khader Jailani, M.chinnasam y and NSK Gowthaman	Facile One-pot Synthesis of CuO nanosphere: Sensitive electrochemical determination of hydrazine in water effluents	J. Electrochem. Sci. Eng., Vol. 12 No. 3 (2022), 439-449 Published 28-03- 2022;	ISSN:1847- 9286 Scopus Impact Factor 1.15

3.	K.Manikandan, Mookkandi Palsamy Kesavan ,A. Thirugnanasundar, N.M.Abdul	Facile synthesis and characterization of W-doped TiO <sub>2</sub> nanoparticles: Promising anticancer activity	Inorganic Chemistry Communication, Vol.132, 2021, Page 108855,	ISSN: 13877003, Scopus Impact Factor 2.495
4.	Abdul Khader Jailani N.M, Gowthaman, N.S.K. and Kesavan, Mookkandi Palsamy	"Synthesis, Characterisation and Biological Evaluation of Tyramine derived Schiff base Ligand and Its Transition Metal(II) Complexes,"	Karbala International Journal of Modern Science: Vol. 6:Issue 2, Article 15.	I S S N : 2 4 0 5 - 6103 ( O N L I N E ) Scopus CiteScore 3.5.
5.	NM Abdul Khader Jailani, A Xavier, A Ramu	Synthesis, Spectroscopic Characterization, DNA Binding Ability and Biological Activities of Transition Metal Complexes Containing Tridentate Schiff base	Materials Today: Proceedings, <u>Volume 5, Issue 10, Part 3,</u> 2018, Pages 22200- 22214 <a href="https://doi.org/10.1016/j.matpr.2018.06.585">https://doi.org/10.1016/ j.matpr.2018.06.585</a>	ISSN: 2214- 7853 Impact Factor1.24 Elsevier Ltd.
6.	N.M. Abdul Khader Jailani, A. Xavier, A Ramu	Synthesis and Characterisation of Transition Metal Complexes Derived from 4- Aminoantipyrine and Thiosemicarbazide Based Schiff Base	Moroccan Journal of Chemistry, Mor. J. Chem. 6 N° 4(2018) 658-675 Moroccan Journal of Chemistry, 2018, 6(4), pp. 642–657 DOI: <a href="https://doi.org/10.48317/IMIST.PRSM/morjchem-v6i4.10542">https://doi.org/10.48 317/IMIST.PRSM/mor jch em-v6i4.10542</a>	ISSN: 2351- 812X Scopus CiteScore 0.552
7.	N.M. Abdul Khader Jailani, A.Xavier	Studies on DNA interaction and antimicrobial profile of Schiff base metal chelates derived from isophthalaldehyde and 4- aminophenazone: Synthesis and characterization	International Journal of Inorganic and Bioinorganic Chemistry 2016; 6(1): 47-55	ISSN 2249-8540 Universal Research Publications.

8.	Abdul Khader Jailani NM, Xavier A and Ramu A.	DNA interaction and antimicrobial screening of transition metal Complexes of 2- Aminophenol Schiff base	International Journal of Chemical and Pharmaceutical Sciences Volume 7 Issue 3 Pages 15-25	ISSN: 0976-9390 Publisher www.ijcps.com
9.	N.M. Abdul Khader Jailani, A. Xavier and A. Mumtaj	Synthesis and Characterization of Transition Metal Complexes with new Schiff base Ligand	Journal of Advanced Applied Scientific Research JOAASR-Vol-1- 9- March-2017: 39- 53	-ISSN: 2454- 3225 (Online) pubelese Publisher
10.	Abdul Khadar Jailani, Samuel Tennyson, Mohamed Meeran, Kalyanasundaram Dhinamala, Rajasingh Raveen, Subramanian Arivoli.	Molluscan biodiversity (phytal fauna) of Thondi coast in Palk Bay, Southeast coast of India	International Journal of Zoology Studies Volume 3; Issue 1; January 2018; Page No. 145- 153	Impact Factor: RJIF 5.14 Gupta Publications

#### Books/Chapters in Books/Books Edited:

S.No	Authors	Title of the Chapter	Title of the Book	Publication	Date of publication
1.	N.S.K. Gowthaman, P. Arul and N.M. Abdul Khader Jailani,	Scientific basis and developments in the clinical aspects of nutraceutical and dietary supplements for neurological and cognitive dysfunction.	Clinical studies on nutraceuticals and dietary supplement	CRS press, Taylor & Francis Group, Pages: 17. ISBN: 9780367815486	29.10.2022

**Orientation and Refresher courses attended:**

S. No.	University	Date	Course	Grade
1.	Academic staff college, Madurai Kamaraj University. Madurai	03-05-2005 to 30-05-2005	Orientation course	A
2.	Academic staff college, Madurai Kamaraj University. Madurai	23-08-2006 to 12-09-2006	Refresher course in environmental science	A
3.	Academic staff college, University of Madras, Chennai.	15-11-2012 to 05-12-2012	Refresher course in Nano science and Nano technology	A
4.	Academic staff college Bharathiar University Coimbatore	06-11-2014 to 26-11-2014	Refresher course in Chemistry	A

**Conferences/Seminars/Workshops/FDPs attended:**

Name of the Seminar / Conference / Symposia / Workshop etc.,	Name of the sponsoring agency	Place and date
Second National symposium on students projects on correlation analysis.	IGCAIC	Bishop Heber College, Trichy in 1999.
Ten days Orientation course for NSS programme officers	UGC	From 03-12-2002 to 12-12-2002, at Sri Avinasilingam Deemed University, Coimbatore.
One day UGC sponsored Seminar on "Recent Trends in Chemistry"	UGC	S.B.K College, Arruppukkottai on 3 <sup>rd</sup> September 2002
National level Seminar on "Recent Trends in Chemistry".	UGC	JA College Periyakulam on 9 <sup>th</sup> and 10 <sup>th</sup> August 2010
17 <sup>th</sup> National Children's Science Congress (District Level)	Tamil Nadu Science Forum	HKRH College, Uthamapalayam on 17 <sup>th</sup> November 2009
One day State Conference on Global Warming Organized by Department of Biology	State Council for Science and Technology, Chennai and NCSTC – New Delhi	HKRH College, Uthamapalayam on 17 <sup>th</sup> December 2009.

National level Seminar on “Emerging Trends in Chemistry”	UGC	CPA College, Bodi on 24 <sup>th</sup> and 25 <sup>th</sup> August 2010.
18 <sup>th</sup> National Children’s Science Congress (District Level)	Tamil Nadu Science Forum	HKRH College, Uthamapalayam on 12 <sup>th</sup> November 2010.
One day Celebrating life programme for Red Ribbon Club and NSS programme officers.	Youth Welfare, Tamil Nadu	11 <sup>th</sup> March 2011 at Pannai Kadu Veerammal Paramshivam College, Dindigul District.
Two day workshop on Frontiers in Chemistry	IASc-Banglore INSA-New Delhi NASI-Allahabad.	27 <sup>th</sup> and 28 <sup>th</sup> March 2009 at Hajee Karutha RowtherHowdia college, uthamapalyam.
National seminar in Recent Trends in Chemistry	UGC	15 <sup>th</sup> and 16 <sup>th</sup> March 2012 at Hajee Karutha Rowther Howdia college, uthamapalyam.
One day National Seminar on Emerging Trends in Chemistry	UGC	15 th October 2014 at The Madura College, Madurai.
One day State level Symposium on Rearing Multivoltine Silk moth by Adopting Innovative Technology	TNSCST Chennai &NCSTC,New Delhi	28 <sup>th</sup> August 2014 at Hajee Karutha Rowther Howdia college, uthamapalyam.
Two days National seminar on Recent Trends in Chemistry	UGC AUTONONOUS GRANT.	12 <sup>th</sup> and 13 <sup>th</sup> March 2015 at Hajee Karutha Rowther Howdia college, uthamapalyam.
Two days International conference on Recent Advances in Material and Chemical Sciences	UGC GRANT.	14 <sup>th</sup> and 15 <sup>th</sup> December 2015 at Gandhigram Rural Institute-Deemed University, Gandhigram, Dindigul.
One day National seminar on Emerging Trends in Chemistry(ETC’16)	UGC GRANT.	6 <sup>th</sup> January 2016 at Sadakathullah Appa college, Tirunelveli.
One day International seminar on Recent trends in Biological sciences	UGC, SERO Division, Hyderabad	25 <sup>th</sup> January 2016 at Hajee Karutha Rowther Howdia college, uthamapalyam.
Three days Short Term Training Programme on “Lab Training on Drug Toxicity Testing”	-	22 <sup>nd</sup> to 24 <sup>th</sup> August 2016 at School of Bio Technology, Madurai Kamaraj University, Madurai.
Two days National seminar on Recent Advances in Chemical Research	UGC GRANT.	24 <sup>th</sup> and 25 <sup>th</sup> January 2017 at VHNSN College, Virudhunagar.

Attended two days National level training on “Evaluation Reforms in Higher Education”	UGC, Ministry of HRD, Government of India	Organized by UGC, South-Eastern Regional Office, on 18 <sup>th</sup> and 19 <sup>th</sup> July 2019, at Savitribai Phule-DST auditorium, University of Hyderabad.
International live Webinar on “Materials and Technology for Sustainable Development (MTSD-2020)	-	PG & Research Department of Chemistry, St. Joseph’s College, Tiruchirappalli on 28 <sup>th</sup> and 29 <sup>th</sup> May 2020.
Webinar on “Elemental Carbon for New Generation Devices”	-	Department of Science & Humanities, SRM TRP Engineering College, Trichy on 29 <sup>th</sup> June 2020.
International Webinar on “Current Status and Future trends of Nanoscale Technology”	-	Department of Chemistry, Thassim Beevi Abdul Kader College for Women, Kilakarai on 23 <sup>rd</sup> June 2020.
National Webinar on “Unlocking Approaches in Recent Chemistry Research”	-	Department of Chemistry, Arignar Anna Government Arts College, Namakkal on 22 <sup>nd</sup> July 2020.
International Webinar on “Tuning The Morphology Of Nanomaterials For Electrochemical Sensing Applications”	-	Department of Chemistry, Kongunadu College of Engineering and Technology, Trichy on 19 <sup>th</sup> June 2020.
E-Workshop on “Solution to Joint CSIR-UGC NET Chemical Science Problems”	-	Department of Chemistry, Muthurangam Government Arts College, Vellore, on 17 <sup>th</sup> -20 <sup>th</sup> June 2020.
Faculty Awareness Program on NAAC Accreditation	-	Shri Chhatrapati Shivaji College Of Engineering, Pune on 10 <sup>th</sup> -15 <sup>th</sup> May 2020.
Faculty Development Programme on “Google Forms and Its Applications”	-	IQAC, CIAE & LMS of Hajee Karutha Rowther Howdia College, Uthamapalayam on 12 <sup>th</sup> October, 2020.
International Webinar on “Nanoscale materials with different dimensions for Advanced Applications”	-	Mannar Thirumalai Naicker College, Madurai on 3 <sup>rd</sup> -4 <sup>th</sup> June 2020.
International Webinar on “MALDI-ToF Mass Spectrometry-A novel	-	Quaide-E-Millath Government College for Women, Chennai on 11 <sup>th</sup> July, 2020.

Technique to Analyse Latent Fingerprints”		
Webinar on “Solar Energy: Introduction and Current Trends in India”	-	Department of ECE, Poornima Institute of Engineering and Technology, Jaipur on 4 <sup>th</sup> June 2020.
International Webinar on “Nano-The Tiny Warrior”	-	Department of Chemistry, Kongu Engineering College, Erode on 30 <sup>th</sup> May 2020.
International Webinar on “Molecular Mechanisms involved in T-Cell Signaling”	-	Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women, Chennai.
International Webinar on “Photocatalysts and Electrocatalysts”	-	Arul Anandar College, Karumathur on 29 <sup>th</sup> July, 2020.
Faculty Development Programme on “Writing Research Grants Applications and Intellectual Rights”	-	IQAC of Hajee Karutha Rowther Howdia College, Uthamapalayam on 24 <sup>th</sup> June, 2020.
Faculty Development Programme on “Molecular Docking and Cheminformatics in Research – Recent Chemistry Perspective”	-	Department of Chemistry, Arignar Anna Government Arts College, Namakkal on 13 <sup>rd</sup> July 2020.
Webinar on “Metal nanostructures as Sustainable Electro Catalysts in Sensing Applications”	-	Gnanamani College of Technology, Namakkal on 6 <sup>th</sup> July 2020.
International Webinar on “Emerging Trends in Energy & Healthcare”	-	Annai Hajira Women’s College, Tirunelveli on 25 <sup>th</sup> -27 <sup>th</sup> June 2020.
International Webinar on “Materials for Energy, Environment and Healthcare Applications”	-	Department of Chemistry, The Gandhigram Rural Institute - Deemed University on 21 <sup>st</sup> - 22 <sup>nd</sup> May 2020.
Webinar on “An Era of Biometric Technology”	-	SRM Trichy on 25 <sup>th</sup> June 2020.
International Webinar on “Electrochemical sensors and its Applications”	-	Sri Ramakrishna Institute of Technology, Coimbatore on 18 <sup>th</sup> July 2020.

National Webinar on “Hands on Google Drive and its Applications”	-	Silicon City College, Bangalore on 16 <sup>th</sup> July 2020.
Faculty Development Programme on “Recent advances in Nanomaterials”	-	St. Joseph’s College of Engineering, Chennai on 4 <sup>th</sup> -6 <sup>th</sup> June 2020.

**Papers presented in Conferences/Seminars/workshops/symposia:**

<b>Programme</b>	<b>University/ College</b>	<b>Sponsoring Agency</b>	<b>Duration and Date</b>
Presented a paper entitled “synthesis and characterization of Schiff base metal complexes” in Two days National seminar on Recent Trends in Chemistry.	Hajee Karutha Rowther Howdia College, Uthamapalayam.	UGC	12 <sup>th</sup> and 13 <sup>th</sup> March 2015.
Presented a paper entitled “Green synthesis and characterization of Silver Nano particles” in Two days National seminar on Recent Trends in Chemistry	Hajee Karutha Rowther Howdia College, Uthamapalayam.	UGC	12 <sup>th</sup> and 13 <sup>th</sup> March 2015.
Presented a paper entitled “synthesis ,spectral characterization ,biological screening of mixed ligand metal (II) complexes derived from 4-amino antipyrine in Two days International conference on Recent Advances in Material and Chemical Sciences	GandhigramRural Institute-Deemed University, Gandhigram, Dindigul.	UGC	14 <sup>th</sup> and 15 <sup>th</sup> December 2015
Presented a paper entitled “synthesis characterization and antibacterial studies of mixed ligand metal (II) complexes derived from 4- amino antipyrine in One day National seminar on Emerging Trends in Chemistry(ETC’16)	Sadakathullah Appa college, Tirunelveli.	UGC	6 <sup>th</sup> January 2016
Presented a paper entitled “ electrochemical determination of vitamin B9 in human blood serum	East west Institute of technology, bengaluru.	VMS Research Foundation, Nagpur.	13 <sup>th</sup> ,14 <sup>th</sup> , &15 <sup>th</sup> May 2019



samples using reduced graphene oxide modified electrode” in three days 4 <sup>th</sup> International Conference on Science, Agriculture and Technology for society(ICSTS-2019)			
Presented a paper entitled “synthesis and characterization of Transition metal complexes with new Schiff base Ligand in Two day National seminar on Recent Advances in Chemical Research(RACR-2017)	VHNSN College, Virudhunagar.	UGC	24 <sup>th</sup> and 25 <sup>th</sup> January 2017
Presented a paper entitled “Effect of Anthocyanin in Controlling Rose Flower Pest” in One day National symposium on Biodiversity Perspectives.	Hajee Karutha Rowther Howdia College, Uthamapalayam.	UGC	20 <sup>th</sup> September 2018

**Guest Lecturers Delivered:**

- Delivered A Lecture On “Modern Scientific Innovations” On 19th May 2017, In YSSP-2017, held at Hajee Karutha Rowther Howdia College, Uthamapalayam.
- Delivered a lecture on “Engineering Chemistry” on 26th October 2018 at Bharath Niketan Engineering College, Theni District.

**Invited resource person:**

- Acted as a Judge in 46th Jawaharlal Nehru District Level Science Exhibition Organized New Delhi National Educational Research and Training Institute and District School Education Department, held on 08.10.2018 at Sri Vikasha Vidyalaya Matriculation Higher Secondary School, Uthamapalayam Theni district.
- Acted as a Judge in District Level Science Exhibition Organized District School Education Department under the SCOPE (Specific Concept Oriented Programme) project, held on 26.02.2019 at Sri Vikasha Vidyalaya Matriculation Higher Secondary School, Uthamapalayam. Theni district.

**Administrative Responsibilities held:**

- Appointed in the permanent vacancy from 1<sup>st</sup> March 2001 to till date.
- Served as NSS programme officer from 2001-2005
- Served as hostel Deputy Warden from 2005-2007
- Served as coordinator of Red Ribbon Club of our college from 2010-2014.
- Served as member in Career Guidance cell from 2008-2012.
- Coordinator of Term end examination flying squad from 2018 to till date.
- Member Continuous Internal Assessment Examination committee from June 2008 to April 2018.
- Additional Convener of Continuous Internal Assessment Examination committee from June 2018 to may 2022.
- Convener of Continuous Internal Assessment Examination committee from June 2022 to till date.
- Co-ordinator of Students Affairs committee from June 2022 to till date.