

ER Sheet Data Entry Form						
<b>Name of Organization : CENTRAL WATER AND POWER RESEARCH STATION, PUNE</b>						
<b>Employee No. : E 1759</b>						
<b>Service</b>	Central Civil Services	<b>Designation</b>	Scientist-B	<b>Sub Cadre</b>	Group –A Gazetted	
<b>Joining Date : 27.04.2022</b>						
<b>Name Details</b>						
<b>Title</b>	<b>First Name</b>	<b>Middle Name</b>	<b>Surname</b>		<b>Initials</b>	<b>PS</b>
DR.	AKHIL	P	S			PS
<b>Identity Card No. : 2660</b>						
<b>Sex</b>	Male	<b>Date Of Birth (DD-MM-YYYY)</b>	21.08.1986	<b>Date of Retirement</b>	31.08.2046	
<b>Community</b>	GENERAL		<b>Religion</b>	HINDU		
<b>Father's Name</b>	SOMAN P K					
<b>Birth Details</b>						
<b>Birth Place</b>	COCHIN	<b>Birth State/ UT</b>	KERALA	<b>Nationality</b>	INDIAN	
<b>Birth District</b>	ERNAKULAM	<b>Mother Tongue</b>		MALAYALAM		
<b>Domicile</b>	KERALA	<b>Physically Handicap Status</b>		NO		
<b>Blood Group</b>	O +Ve		<b>Identification Marks</b>	A BLACK MOLE ON RIGHT THUMB		
<b>Marital Details</b>						
<b>Marital Status</b>	MARRIED		<b>Spouse Name</b>	POOJA V MENON		
<b>Spouse Nationality</b>	INDIAN					
<b>Joining Details</b>						
<b>Source of Recruitment</b>	UPSC	<b>Joining Date</b>	27.04.2022	<b>Retirement Date</b>	31.08.2046	
Departmental Examination Details (If applicable): NA						
	<b>Level</b>	<b>Year</b>	<b>Rank</b>			
1						
2						
3						
<b>Remarks (if any)</b>						
<b>Languages known</b>						
	<b>Name of Language</b>	<b>Read</b>	<b>Write</b>	<b>Speak</b>		
Indian Languages Known	MALAYALAM	YES	YES	YES		
	ENGLISH	YES	YES	YES		
	HINDI	YES	YES	YES		
Foreign Languages Known						
1						
2						
3						

--	--	--	--	--

Details of deputation (if applicable)

Name of the Office	Post held at that time in parent office	Name of post (selected for deputation)	Period of deputation	
			Since	From

Details of Foreign Visit

Sl. No.	Place of Visit	Date of visit	Post held at that time	Whether it is a personal or official visit	Details of visit
1	Mauritius	2010	Research Fellow	Official	Indian Scientific Expedition to Southern Ocean
2	France	2010	Research Fellow	Official	ICES Conference
3	Germany	2012	Research Fellow	Official	Training at RWTH AACHEN UNIVERSITY and ZMT
4	Indonesia and Sri Lanka	2013	Research Fellow	Official	GEOTRACES CRUISE-2013

Transfer/Posting Detail (if applicable)

Place	Period of posting	
	Since	From

<b>Qualification (Use extra photocopy sheets for multi qualifications, experience, training, awards details)</b>			
Qualification		Discipline	
Ph.D		Chemistry	
Specialization 1		Specialization 2	
Marine Chemistry		Environmental Chemistry	
Year	Division	CGPA/ % Marks	
2015	Chemical Oceanography	NA	
Institution	University	Place	Country
School of Marine Sciences	Cochin University of Science and Technology	Cochin	India
<b>Experience</b>			
Type of Posting		Level	
Direct Recruitment by UPSC		Group "A" (Gazetted) 10	
Designation		Present Position	
Scientist B		Scientist B	
Ministry		Department	

MOWR		CWPRS	
Office		Place	
CWPRS KHADAKWASALA PUNE		PUNE	
Experience Subject		Period of Posting	
Major	Minor	From	To
Chemistry	-	27.04.2022	Till date
<i>Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject (minimum 1 week &amp; above)</i>			
Training			
Training Year	Training Name	Training Subject	
2022	Induction / Job Training	Divisional Activities of CWPRS	
Level	Institute Name, Place	Field Visit Country	Field Visit Place (within India)
	CWPRS, Pune		CWPRS, Pune
Sponsoring Authority	Period of Training	Duration	Result
	From	To	Qualified
<b>Awards/Publications</b>			
Type of Activity:		Academic	Non Academic
Activity Area		Activity Subject	Activity Title
Day	Month	Year	Level

Note: (i) Concerned CCS Officer is responsible for the correctness of information sent through ER Sheet Performa.

(ii) Subject to verification by the concerned administrative authorities.

Date : 11.07.2022

Place : Pune

[akhil.ps@cwprs.gov.in](mailto:akhil.ps@cwprs.gov.in)

Information checked and verified – by

Signature of Officer

Section Officer		Ministry/ Department	
E-mail id		Room NO.	Building Name:
Phone NO.		Wing No.	

## Annexure I

### ❖ WORK EXPERIENCE

#### ❖ July 2020 to April 2022

Organization: St Paul's College, Ernakulum, Kerala, India.

**Designation: Assistant Professor (on contract)**

#### ❖ August 2019 to June 2020

Organization: Sri Sathya Sai Institute of Higher Learning, Puttaparthi, India

**Designation: Research Associate III (DBT Funded Project)**

- ❖ **January 2019 to July 2019**  
Organization: Sri Sathya Sai Institute of Higher Learning, Puttaparthi, India  
**Designation: Post Doctoral Researcher (DST Funded Project).**
- ❖ **July 2018 to January 2019**  
Organization: Sri Sathya Sai Institute of Higher Learning, Puttaparthi, India  
**Designation: BIF Trainee Fellow (DBT Funded Project).**
- ❖ **July 2017 to April 2018**  
Organization: KVM College of Engineering and IT, Cherthala, Kerala  
**Designation: Associate Professor**
- ❖ **May 2015 to March 2017**  
Organization: Cochin University of Science and Technology (CUSAT), India  
**Designation: Post Doctoral Researcher (MoES Funded Project)**
- ❖ **January 2012 to May 2015**  
Organization: CUSAT, Kerala, India  
**Designation: Research Fellow (MoES Funded Project)**
- ❖ **August 2009 to January 2012**  
Organization: CUSAT, Kerala, India  
**Designation: Research Fellow (KSCSTE Funded Project)**

## **CAREER ACHIEVEMENTS / AWARDS**

- ❖ Received the best presentation award for the poster entitled **“DISTRIBUTION PATTERN OF TRACE ORGANIC CONTAMINANTS IN THE COCHIN ESTUARINE SYSTEM (CES), INDIA: AN OVERVIEW”** in the **NATIONAL CONFERENCE ON ANALYTICAL SCIENCE AND TECHNOLOGY** held during 24-26 September 2015 at, Munnar, Kerala, India, organized by Indian Society of Analytical Scientists Kerala Chapter (ISASK).
- ❖ Participated in the **FIRST INDIAN GEOTRACES CRUISE-2013** in the Indian Ocean water mass onboard **ORV SAGAR KANYA** organized by Physical research Laboratory (PRL), Ahmadabad, India, under the aegis of Ministry of Earth Science, Govt. of India from March-2 to May-10' 2013.
- ❖ Training facilities in the latest analytical methods of environmental chemistry obtained from **RWTH AACHEN UNIVERSITY, AACHEN** and **LEIBNIZ CENTER FOR TROPICAL MARINE ECOLOGY, BREMEN, GERMANY** during October 17 to November 09' 2012.
- ❖ Participated in the **“IV<sup>TH</sup> INDIAN SCIENTIFIC EXPEDITION TO SOUTHERN OCEAN 2010”** organized by National Centre for Antarctic and Ocean Research (NCAOR), Goa, India, under the aegis of Ministry of Earth Science,

Govt. of India from January-11 to March-25, onboard **ORV SAGAR NIDHI**, and reached up to **66°35' S** in the coastal regions of **ANTARCTICA**.

- ❖ Secured **FIRST POSITION IN B.Sc CHEMISTRY** from the Department of Chemistry, S.N.M College, during the academic year 2003-2006.

## **PUBLICATIONS**

### ❖ **Papers in Peer Reviewed Journals**

1. **Akhil P S** and Sujatha C H (2012) “Prevalence of Organochlorine Pesticide Residues in Groundwaters of Kasargod District, India” *Toxicological and Environmental Chemistry* Vol. 94, No. 9.1718–1725.
2. **Akhil P S**, Sumangala K N and Sujatha C H (2013) “Groundwater Hydrochemistry in the Crystalline Laterites/ Forest Loams of Kasargod District, Kerala, India”. *Water Science and Technology: Water Supply*, 13.2, 486-498.
3. **Akhil P.S**, Manju P.Nair and Sujatha C.H (2013) “Core Sediment Biogeochemistry in Specific Zones of Cochin Estuarine System (CES)”- *Journal of Earth System Science*. 122, No. 6, pp. 1557–1570.
4. Manju P Nair, **Akhil P S** and Sujatha C H (2013) “Geochemistry of Core Sediment from Antarctic Region” *Research journal of Chemistry and Environment* 17(2),8-12.
5. Sumangala K N, **Akhil P S** and Sujatha C H (2013) “Hydrogeochemical Quality Assessment of Ground Waters in Ernakulam District, Kerala, India”. *Journal of Environmental Science, Computer Science and Engineering & Technology*, Vol.2. No.4, 1353-1368.
6. **Akhil P S** and Sujatha C H (2014) “Spatial Budgetary Evaluation of Organochlorine Contaminants in the Sediments of Cochin Estuary, India. *Marine Pollution Bulletin*. 78,246–251.
7. Manju P.Nair , **Akhil P.S** and Sujatha C.H (2014) “Toxic Metal Distribution in the Core Sediment of Cochin Estuarine System (CES)”- *International Journal of Environmental Research*. 8(1): 133-138, Winter 2014.
8. Larissa Dsikowitzky, Inga Nordhaus, Sujatha C.H, **Akhil P.S.**, Kunjupilai Soman, Jan Schwarzbauer (2014) A combined Chemical-Biological Assessment of Industrial Contamination in an Estuarine System in Kerala, India. *Science of the Total Environment*.348-362.

9. **Akhil P S** and Sujatha C H (2015) Residual Archives on Organochlorine Insecticides in the Core Sediment of a Tropical Estuary, India. *Journal of Pollution*, 1(4): 347-362.
10. Gayathree Devi P.K, Sujatha, C.H, **Akhil P.S** and Rajesh R (2016) Spatio - Temporal Assessment of Air Pollutants in Kochi City, Kerala, India. *Journal of Environmental Science, Computer Science and Engineering & Technology*, Vol.5, 289-305.
11. Gayathree Devi P.K, **Akhil P.S** and Sujatha, C.H (2016) Metal Signature of Atmospheric Aerosol from Kochi, the Queen of Arabian Sea, Kerala, India. *Journal of Pollution*, 2(3): 247–267.
12. R. Sai Swaroop, **P. S. Akhil**, Pradhan Sai Sanwid, Prasad Bandana, Rao K. Raksha, Manjunath Meghana, Choudhary Bibha & Venketesh Sivaramakrishnan (2022) Integrated multi-omic data analysis and validation with yeast model show oxidative phosphorylation modulates protein aggregation in amyotrophic lateral sclerosis. *Journal of Biomolecular Structure and Dynamics*: <https://doi.org/10.1080/07391102.2022.2090441>.

## BOOK

1. Akhil P S and Sujatha C H (2016) **RESIDUAL ORGANOCHLORINE INSECTICIDE ARCHIVES IN THE AQUATIC SEDIMENT** *Distribution, Trends and Prevailing Factors*, Lambert Academic Publications, Germany. ISBN: 978-3-659-89988-1.

## POPULAR SCIENCE ARTICLES

1. **Akhil P S**, Sujatha C H: “Cochin Estuary High on Insecticides, Says Study”. The Hindu National Daily. January 2014.
2. **Akhil P S**, Sujatha C H “Groundwater remains polluted in Kasargod” The Hindu National Daily News Paper, October 2012.

## TECHNICAL REPORT

1. C H Sujatha, P M Deepulal and **P S Akhil** (2014) Biogeochemistry of Southern Ocean with Special Reference to Water and its Niche. *Southern Ocean Expedition-2010, Technical Report: National Centre for Antarctic and Ocean Research*, 5862.

## INVITED TALKS

- ❖ Presented a talk on “A **Brief Review on the Discipline ‘Marine Sciences’**” of 3<sup>rd</sup> Memorial Lecture series of Prof. M.R Joseph organized by Department of Chemistry, St. Alberts College (Autonomous), Ernakulam, Kerala, India on 23<sup>rd</sup> March 2017.

INTERNATIONAL

1. Participated in the International Conference on “**Materials for the Millennium**” organised by Department of Applied Chemistry, CUSAT during March 15-19 th , 2021.
2. Coordinated and participated in the International webinar on “**Materials for Energy Storage Applications and Research Opportunities in Materials Science**” organised by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 31st July 2020.
3. Participated in the **5<sup>th</sup> International Symposium on Biological and Environmental Chemistry of DMSP and related compounds** and presented a paper entitled “Identification and Diversity of Phytoplankton species that evolve Dimethyl Sulphide (DMS) Dimethylsulphoniopropionate (DMSP) in the Cochin Estuarine System” Jose M, Dayala V T, Akhil P S and Sujatha C H during 19-22 October 2010, NIO, **Goa, India**.
4. Participated in Official **2010** at **Nantes, France**, from 20-24 September, and presented a poster entitled “Analysis and Identification of Biological production of Dimethyl Sulphide (DMS) and Dimethyl Sulphoniopropionate (DMSP) by Phytoplankton in the Cochin Estuarine System”.

NATIONAL

1. Coordinated and in the National webinar on “**Research aspects of Antarctica and its surrounding Ocean**” organized by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 31<sup>st</sup> March 2021.
2. Participated in the National webinar on “**Agriculture Education, Research and Employment in India with special reference to ICAR** ” organized by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 17<sup>th</sup> August 2020.
3. Coordinated and participated in the National webinar on “**Catalysts for Biodiesel Production and Related Research Opportunities**” organized by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 14<sup>th</sup> August 2020.
4. Participated in the National webinar on “**Introduction to Start-up Ecosystem, Business Incubation, Patent Support Scheme, and Interventions by Kerala Start-up Mission**” organized by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 7<sup>th</sup> August 2020.

5. Coordinated and participated in the National webinar on **“Career and Research Opportunities in Atmospheric Science”** organized by Department of Chemistry, St Paul’s College, Kalamassery, Kerala, India on 4<sup>th</sup> August 2020.
6. Participated as delegate in the Faculty Development Programme **“Fostering Interdisciplinary Research and Pedagogy”** organized by the Research and Development wing, K.V.M Group of Institutions on 9<sup>th</sup> February 2018 at KVM Technical Campus, Cherthala, Kerala, India.
7. Participated in the National workshop on **“Emerging Trends in Chromatography and Hyphenated Techniques”** organized by Indian Society of Analytical Scientists Kerala Chapter held at School of Marine Sciences, Cochin University of Science and Technology on 23<sup>rd</sup> September 2016.
8. Participated in the UGC Sponsored National Seminar on **“Marine Biodiversity and Bioprospecting for Sustainable Livelihood (MBBSL 2016)”** organized by the Department of Marine Biology, Microbiology and Biochemistry, CUSAT on 21<sup>st</sup> & 22 March 2016.
9. Participated in the National Seminar on “Green Technologies For Green Environment” and presented a paper entitled **“Significance of Volatile Sulfide Gas Emissions and its Impacts on Climate Change: A Case Study in Cochin Estuary, Kerala, India”** under the aegis of University Grants Commission, New Delhi on 3<sup>rd</sup> & 4<sup>th</sup> December 2015 at Department of Chemistry, Sreenarayana Mangalam College, Maliankara, Ernakulam, Kerala, India.
10. Participated in the National Workshop on **“Changing Atmospheric Composition and its Role in Modulating Climate Change”** organized by the Department of Atmospheric Sciences, CUSAT sponsored by Kerala State Higher Education Council and Department of Environment & Climate Change, Govt. of Kerala on 16<sup>th</sup> November 2015.
11. Participated in the National Symposium on **“Ozone Layer on Track to Recovery: Montreal Protocol a Success Story”** organized by the Department of Atmospheric Sciences, CUSAT sponsored by Kerala State Council for Science, Technology and Environment, Govt. of Kerala on 30<sup>th</sup> September 2015.
12. Participated in the National Conference on Analytical Science and Technology-2015, and presented two posters entitled **“Distribution Pattern of Trace Organic Contaminants in the Cochin Estuarine System (CES) India: An Overview”** and **Recent Insight on Biogeochemical Constituents in the Cochin Estuarine System (CES)** held during 24-26 September 2015 at, **Munnar**, Kerala, India, organized by Indian Society of Analytical Scientists Kerala Chapter (ISASK).



13. Participated in National Conference of Ocean Society of India (OSICON'13) and presented two papers entitled **“Characterization of Organic Matter in the core sediments of Cochin Estuarine System”** and **“Geochemical Assessment of Metal contamination in the Core Sediments of Cochin Estuarine System”** held during 25<sup>th</sup> November to 28<sup>th</sup> November 2013 at Indian Institute of Tropical Meteorology, Pune, India.
14. Participated in Regional Seminar on “Water Quality Assessment and Management of Kerala State” and presented a paper entitled **“Soil Geochemical Facsimile of Kasargod District with special reference to Ground water Quality”** organized by National Institute of Hydrology, at Trivandram, Kerala during 5-6 February 2013
15. Participated in National Conference on “Mangrove wetlands and near shore marine ecosystems : from sustainability issues to management & restoration” and presented two papers entitled **“Core Sediment Biogeochemistry in Specific Zones of Cochin Estuarine System (CES)”** and **“Core Sediment Metal Distribution in Prominent areas of Cochin Estuary”** held during 5-6 March 2012 at Jawaharlal Nehru University, **New Delhi**, India.
16. Participated in National Conference of Ocean Society of India (OSICON'11) and presented a paper entitled **“ Spatial and Vertical Transmission pattern of Pigments and their Assimilation with Nutrients in the Southern Ocean Water Mass”** held during 13-15 July 2011 at National Institute of Ocean Technology, **Chennai**, India.
17. Participated in National Conference of Ocean Society of India (OSICON'11) and presented a Poster entitled **“Core Sediment Organic Matter Distribution in the Coastal Region of Antarctica”** held during 13-15 July 2011 at National Institute of Ocean Technology, **Chennai**, India.
18. Participated in **“National Seminar on biodiversity”** Organized by Swadeshi Science Movement on 17 December , 2010 at School of Marine Sciences, CUSAT, Kochi, **Kerala**, India.
19. Participated in **“Symposium on Indian Ocean Marine Living Resources (IndoMLR)”** Organized by Centre for Marine Living Resources & Ecology (CMLRE) on 2-3 December 2010 at **Ernakulam**, Kerala, India.
20. Participated in National Seminar on **“Chemistry and Environment”** and presented a paper entitled **“Groundwater Quality Assessment in Selected Areas in Mattancherry of Cochin Corporation, Kerala, India”** conducted by St. Paul's College on 2-4 September 2010, at **Ernakulam**, Kerala, India

21. Participated in the National Symposium in Chemistry organized by the Department of Chemistry, St. Paul's College, Kalamassery in collaboration with M. G University, Kottayam on 29<sup>th</sup> February and 1<sup>st</sup> March 2008.
22. Participated in the Prof. K.V Thomas Endowment National Seminar on “**Modern Trends in Chemistry (MITIC-08)**” organized by Department of Chemistry, Sacred Heart College, Cochin on 4&5 February 2008.