


**Department of Chemical Oceanography
Cochin University of Science and Technology**

Profile of Post-Doctoral Fellow

1	Name	Dr. Manju Mary Joseph			
2	Date of Birth	01/06/1979			
3	Gender	Female			
4	Nationality	Indian			
5	E-mail	manjumaryjoseph@yahoo.co.in			
6	Mobile No.	9495995621			
7	Address	Kanni-plamthadathil House Vadavu-code P.O. Ernakulam District Pincode-682310.			
8	Period of post-doctoral fellowship	26/10/2013 to 25/10/2016			
9	Name of the Mentor	Dr. S. Muraleedharan Nair			
	Title of post-doctoral work	"Assessment of Biodiesel Production potential of Microalgae collected from the Backwaters of Kerala"			
10	Details of Post-doctoral project awarding agency	Kerala State Council for Science, Technology and Environment (KSCSTE) Back to Lab Scheme			
11	Main area of research	Environmental Chemistry			
12	Details of international/national Honor/fellowship/awards obtained	BACK TO LAB Post Doctoral Fellowship from The Women Scientists Cell (WSC) of KSCSTE.			
13	Participation in training programs/workshops/summer winter school etc	"Remote Sensing and GIS for Environmental Monitoring" Sponsored by National Natural Resources Management System (NNRMS), Indian Space Research Organization at Institute of Remote Sensing, Anna University, Chennai (18-May-2009 to 06-June-2009).			
14	Details of Ph.D :				
	Title	University/Board	College/Institution studied	Main Subject of research	Year of award
	Fatty acids as Biomarkers in the Mangrove sediments of Cochin	Cochin University of Science and Technology	Department of Chemical Oceanography	Organic Geochemistry	2011
15	Teaching Experience				
	Post Held	No. of years	Period	College/	

				University/ Institution	
		Graduate	Post Graduate	From	To
	NIL				
16	Research experience (Specify in detail)				
1.	Junior Research Fellow, MoES Project		Department of Chemical Oceanography, School of Marine Sciences, Cochin University of Science & Technology	11-12-08	23-12-09
2.	Principal Investigator, KSCSTE Back to Lab Project		Department of Chemical Oceanography, School of Marine Sciences, Cochin University of Science & Technology	26-10-13	Till date
17	List of Publications:				
	Standard referred journal				
	a. International	<ol style="list-style-type: none"> 1. Manju Mary Joseph, Ratheesh Kumar, C.S., Gireesh Kumar, T.R., Renjith, K.R. and Chandramohanakumar, N., 2008. Biogeochemistry of surficial sediments in the intertidal systems of a tropical environment. <i>Chemistry and Ecology</i>, 24 (4): 247-258. 2. Manju Mary Joseph, Ratheesh Kumar, C.S., Renjith, K.R., Gireesh Kumar T.R. and Chandramohanakumar, N., 2010. Phosphorus fractions in the surface sediments of different mangrove systems of Cochin, Southwest India. <i>Environmental Earth Sciences</i> (DOI 10.1007/s12665-010-0609-0) 62(06)1209-1218. 3. Ratheesh Kumar, C.S., Joseph, M. M., Gireesh Kumar, T.R. Renjith, K.R., Manju, M.N. and Chandramohanakumar. N., 2010. Spatial Variability of Heavy Metals in the Inter-tidal Systems of a Tropical Environment <i>International Journal of Environmental Research</i> (v.4, No.4, Autumn, 2010) 4. Renjith, K.R., Chandramohanakumar, N. and Manju Mary Joseph, 2011. Fractionation and bioavailability of Phosphorus in a tropical estuary, Southwest India. <i>Environmental Monitoring and Assessment</i> (DOI 10.1007/s10661-010-1458-8) 174:299–312. 5. Manju Mary Joseph, Renjith, K.R., Ratheesh Kumar, C.S. and Chandramohanakumar, N. 2012. Assessment of Organic matter sources in the tropical mangrove ecosystems of Cochin, Southwest India, using bulk parameters and fatty acid biomarkers. <i>Environmental Forensics</i> 13(3) 262-271. 			

		<ol style="list-style-type: none"> 6. Manju, M. N., Resmi, P., Gireesh Kumar T.R., Ratheesh Kumar, C.S., Rahul, R., Joseph, M. M. and Chandramohanakumar, N. 2012. Assessment of Water Quality Parameters in Mangrove Ecosystems along Kerala Coast: A Statistical Approach. International Journal of Environmental Research 6(4):893-902, Autumn 2012. 7. Renjith K.R., Manju Mary Joseph, Prosenjit Gosh, Ratheesh Kumar C.S., and Chandramohanakumar, N., 2013. Biogeochemical facsimile of the organic matter quality and trophic status of a micro-tidal tropical estuary. Environmental Earth Sciences, 70:729-742. 8. Renjith K.R., Sudheesh V., Egin George, Anu Shaij, Manju Mary Joseph, and Chandramohanakumar N. Geochemical distribution and potential toxicity of some heavy metals in a micro-tidal tropical estuary, Southwest India, Toxicological and Environmental Chemistry (2016) 98 (1): 36-52. 9. 9. Manju M. N., P. Resmi, C.S. Ratheesh Kumar, T.R. Gireeshkumar, N. Chandramohanakumar and Manju Mary Joseph 2016. Biochemical and stable carbon isotope records of mangrove derived organic matter in the sediment cores. Environmental Earth Sciences 75:1-15. 11. 10. Manju Mary Joseph, K.R. Renjith, Gaby John, S. Muraleedharan Nair and N. Chandramohanakumar 2016. Biodiesel Prospective of Five Diatom Strains using Growth Parameters and Fatty acid Profiles. Biofuels DOI: 10.1080/17597269. 2016.1204585. 11. Renjith K R, Manju Mary Joseph, Ratheesh Kumar C S, Manju M N and Chandramohanakumar, N. Biogeochemical Distribution and Bioavailability of Nutrients in a Tropical Micro-tidal Estuary, Southwest India (Journal of Coastal Research, Accepted for publication).
	b. National	NIL
(List out the published papers with journal name, A copy of reprint should be enclosed)		
	Papers published in Seminars/Symposia Proceedings	
	a. International	<ol style="list-style-type: none"> 1. Manju Mary Joseph, K. Byju, K.J. Prashob Peter, S. Muraleedharan Nair and N. Chandramohanakumar. Environmentally Benign Alternatives for the Sustainable Management of Water Hyacinth, "The Blue Devil" from Vembanad Lake. Tropical Ecology Congress-2014 "Tropical Ecosystems in a Changing World" conducted at Jawaharlal Nehru University (JNU), New Delhi.
	b. National	<ol style="list-style-type: none"> 1. Manju Mary Joseph, C.S. Ratheesh Kumar., K.R. Renjith., T.R. Gireesh Kumar., and N. Chandramohanakumar, 2009. Biogeochemical evaluation of Mangalavanam, a tropical mangrove forest in the southwest coast of India. Presented at OSICON '09, National Conference of Ocean Society

		<p>of India, Visakhapatnam, March 19-21, 2009.</p> <p>2. Ratheesh Kumar C.S, Manju Mary Joseph, Renjith K.R., Gireesh Kumar T.R., and Chandramohanakumar N., 2009. Geochemistry of heavy metals in the surface sediments of three tropical mangrove systems in southwest India. Presented at OSICON '09, National Conference of Ocean Society of India, Visakhapatnam, March 19-21, 2009.</p> <p>3. Renjith K.R., Manju Mary Joseph, Manju M.N. and N. Chandramohanakumar, 2009. Spatial variations of hydrographical conditions in the southern and northern arms of Cochin estuary during pre-monsoon of 2009. Presented at Aquasem '09, National Seminar on Aquatic Chemistry, Cochin, March 26-28, 2009.</p>
	c. Regional	NIL
	(List out the published papers with ISBN/ISSN Numbers. A copy of reprint should be enclosed)	
	Abstracts (Mention the title of the article, name of the abstract, with number)	
18	Details of books/ chapters in book published:	
	a. International	NIL
	b. National	NIL
Signature: Dr. Manju Mary Joseph		