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CURRICULUM VITAE

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Kerala State, India

Phone : +914842537140

Date of Birth : 03-02-1955.

ACADEMIC QUALIFICATIONS :

Degree	Year	Subject	University
B.Sc.	1975	Chemistry (main) Physics and Mathematics (Sub)	Kerala University
M.Sc.	1977	Analytical Chemistry	Kerala University
Ph.D	1984	Physical Chemistry (Solubility and Kinetic Studies of Esters)	Kerala University

TEACHING/RESEARCH EXPERIENCE

1982-85 : Lecturer in Government College, Directorate of College Education,
Government of Kerala

1985-93 : Lecturer in Department of Chemical Oceanography, Cochin University of

- Science and Technology, Cochin Kerala
- 1993-99 : Reader in Department of Chemical Oceanography, Cochin University of Science and Technology, Cochin Kerala
- 1999 onwards Professor in Department of Chemical Oceanography, Cochin University of Science and Technology, Cochin Kerala

POSITIONS HELD

- 1981 : Chairman, Research Students Union, University of Kerala
- 1983 : State Committee Member (Convenor of Science Forum) Kerala Sastra Sahitya Parishat
- 1996 onwards Member Board of Studies in Chemical Oceanography, Cochin University of Science and Technology, Cochin Kerala
- 1997 - 2012 Member Academic Council Cochin University of Science and Technology, Cochin Kerala
- 1999 – 2001 : Member Syndicate and Member Senate Cochin University of Science and Technology, Cochin Kerala
- 2002 : Member of The Indian People's Tribunal on Environment and Human Rights which conducted an enquiry into the effects of Industrial Pollution on Health, Environment and Livelihood in Eloor and surrounding areas near Cochin
- 2002 – 07 : Plan Coordinator in Corporation of Cochin Kerala
- 2000 – 06 : President Federation of University Teachers' Associations, Kerala State
- 2005 – 07 : Member Expert Group, Local Area Environment Committee Eloor
- 2005 onwards : Member Ed. board International Journal of Oceans & Oceanography (IJOO)
- 2007 : Member Environment Working Group, Planning Board Government of Kerala
- 2008 : Director, International Relations and Academic Admissions, CUSAT
- 2008-11 : Registrar, CUSAT
- 2009 November onwards Hon. Director, Interuniversity Centre for Development of Marine Biotechnology (IUCDMB)
- 2007 onwards : Member, Indian Society of Analytical Scientists
- 2012 : Chairman Kerala Chapter, Indian Society of Analytical Scientists
- 2014 : Co-Chairman, National Conference Advanced Technologies for Material processing and Diagnostics, organised by Indian Society of Analytical Scientists

THE CURRENT AREAS OF RESEARCH

Natural products and Chemical Biomarkers – Marine Bioactive Compounds, Carbohydrates, Steroids, Fatty Acids, Terpenes, etc.

Chemical investigations on the mangrove, estuarine and coral ecosystems

Distribution and dynamics of major ions, trace metals, rare earth metals, nutrients, pesticides and bio geo organics – coastal, estuarine and mangrove ecosystems.

Chemo kinetics and Modelling,

SEMINARS/WORKSHOPS ORGANISED

1. Workshop on Natural Disaster Management – a Policy Framework, February 2005
2. National Seminar on Aquatic Chemistry AQUASEM'09, March 2009
3. National Seminar on Aquatic Chemistry AQUASEM-2013, March 2013

Ph. D THESIS UNDER THE GUIDANCE

1. Vasudavan Nair, T., 1992. Bio-geo organics in the sedimentary environments of Cochin estuary.
2. Ushakumari, B., 1993. Studies on synthesis and nutritional evaluation of prawn feeds.
3. Jayasree, G., 1993. Influence of humic acid on metal sorption by estuarine sediments.
4. Beenamma Jacob, 1995. Studies on the sulphur chemistry of a tropical estuary.
5. Lizen Mathews, 2001. Studies on the role of sediments on the nutrient dynamics and fertility of Kuttanad waters.
6. Krishnakumar, P.A., 2001. Surface active substances in tropical estuary.
7. Geetha, R., 2002. Modeling of geochemical processes in Mangrove Ecosystem.
8. Janet Augustine, 2002. Sorptional behaviour of metals on the sediments and humic acid of Mangrove Ecosystem.
9. Anu Gopinath, 2002. Coral reef ecosystem of Lakshadweep Archipelago- A biogeo chemical facsimile.
10. Roseline, .A.V., 2002. Sulphur chemistry in Mangrove Ecosystems of tropical Cochin Estuary.
11. Siby Varghese, 2004. Geochemistry of rare earth elements and trace metals along the Western Continental shelf of India.

12. Zeena P. Ravi, 2005. Characterization and distribution of amino acids in the Mangrove sediments of Kochi.
13. Sarika, P. R., 2005. Biogeoorganics and trace metal speciation in mangroves.
14. Narayanan, T., 2006. Sterols in Mangrove sediments of the Cochin Estuary.
15. Renjith, K.R., 2007. Chemodynamics and Ecohydrology of a tropical Estuary
16. Josia Jacob., 2008. Biogeochemistry and Phosphorus Dynamics of the Surface Sediments of the Western Continental Shelf of India.
17. Sheela, V.S., 2009. Trace Metal geochemistry of Chalakkudy River.
18. Manju Mary Joseph., 2009. Fatty Acids as Biomarkers in the Mangrove Sediments of Cochin.
19. Ratheesh Kumar, C. S., 2012. Triterpenoids as a Biomarkers of mangrove Organic matter in Cochin estuarine System.
20. Martin G.D., 2013. Biogeochemical and ecological feedbacks of eutrophication in Cochin Backwaters.
21. Gireesh Kumar T R 2013. Source Characterisation of sedimentary organic matter in a tropical Estuary, South West Coast of India: A biomarker approach.
22. Nebula Murukesh 2014. Bioactive Metabolites and Biomarkers from Rhizophoraceae Mangroves – A Chemotaxonomic Approach
23. Josekutty J. Ozhukayil 2015. Dynamics and Fractionation of Heavy Metals in the upper Reaches of Muvattupuzha- A Tropical River (Under Adjudication)
24. Resmi P. 2015. Fingerprinting of Mangrove Ecosystems along Northern Kerala Coast using Biomarker Approach
25. Manju M.N. 2015. Biomarker Geochemistry of Core Sediments in the Mangrove Ecosystems along Northern Kerala Coast.
26. Byju, K. 2015 . Chemistry and bioactivity of natural products from the gorgonian coral *Subergorgia Reticulata*.
27. Bindu, K. R. 2015. Chemodynamics of heavy metals in cochin estuary and its adjacent Coast. (Under Adjudication)
28. Kala, K. Jacob. 2016. Anticancer potential of sterols isolated from *Turbanaria conoides* against lung and liver cancer. (Under Adjudication)

List of Publications

Sl.no	Author/title	IF	ISSN No
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1	Manju Mary Joseph, K. R. Renjith, Gaby John, S. Muraleedharan Nair & N. Chandramohanakumar, 2016. Biodiesel prospective of five diatom strains using growth parameters and fatty acid profiles, <i>Biofuels</i> Published online: 13 Jul 2016		
2	Manju, M.N., Resmi, P., Kumar, R.C.S., Gireeshkumar, T.R., Kumar, R.C.S., Chandramohanakumar, N., Joseph, M.M., 2016. Biochemical and stable carbon isotope records of mangrove derived organic matter in the sediment cores. <i>Environmental Earth Sciences</i> 75, 565.	1.765	1866-6299
3	Renjith, K.R., Sudheesh, V., Anu Shaji, Ejin George, Manju Mary Joseph, Ratheesh Kumar, C.S., Chandramohanakumar, N., 2016. Geochemical distribution, bioavailability and potential toxicity of some trace metals in a complex micro-tidal estuary, Southwest India. <i>Toxicological & Environmental Chemistry</i> 98(1), 36- 52.	0.825	1029-0486
4	Resmi P., Manju M. N., Gireeshkumar T. R., Ratheesh Kumar C. S., Movitha M., Shameem K and Chandramohanakumar N. 2016. Phosphorous fractionation in mangrove sediments of Kerala, south west coast of India: the relative importance of inorganic and organic phosphorous fractions. <i>Environmental Monitoring Assessment</i> , 188:366	1.67	
5	Resmi P., Manju M. N., Gireeshkumar T. R., Ratheesh Kumar C.S., Chandramohanakumar N., 2016. Source characterisation of Sedimentary organic matter in mangrove ecosystems of northern Kerala, India: Inferences from bulk characterisation and hydrocarbon biomarkers. <i>Regional Studies in Marine Science</i> , 7, 43-54.	nil	
6	Kala, K.J., Prashob Peter, K.J., Chandramohanakumar, N., 2015. Cyto-toxic potential of fucosterol isolated from <i>Turbinaria Conoides</i> against Dalton's lymphoma ascites. <i>International Journal of Pharmacognosy and Phytochemical Research</i> 7(6), 1217-1221.	nil	0975-4873
7	Bindu, K.R., Deepulal, P.M., Gireeshkumar, T.R., Chandramohanakumar, N., 2015. Evaluation of heavy metal	1.679	1573-2959

	enrichment in Cochin estuary and its adjacent coast: multivariate statistical approach. <i>Environmental Monitoring and Assessment</i> , 187(8), 519.		
8	Anuradha, V., Byju, K., Kala Jacob, Gopinath, A., Prashob Peter, K.J., Gireeshkumar, T.R., Vasundhara, G., Emilda, R., Harishankar, H.S., Kumar, N.C., Nair, S.M., 2015. Evaluation of biochemical and nutritional potential of seaweeds from Lakshadweep archipelago. <i>Journal of Aquatic Food Product Technology</i> , 24(7), 639-647.	0.688	1547-0636
9	Gireeshkumar, T.R., Deepulal, P.M., Chandramohanakumar, N., 2015. Distribution and sources of aliphatic hydrocarbons and fatty acids in surface sediments of a tropical estuary south west coast of India (Cochin estuary). <i>Environmental Monitoring and Assessment</i> 187(3), 1-17.	1.679	1573-2959
10	Byju K., Anuradha V., Emilda Rosmine, Hari Sankar H.S., Anu Gopinath, Prashob Peter K.J., Gireesh Kumar T.R., Vasundhara G., Kumar N.C. and Nair S.M. 2015. DPPH scavenging property of active principles from soft coral <i>Sarcophyton flexuosum</i> tixier-durivault. <i>Pharmaceutical Chemistry Journal</i> . 49: 178-182.	0.498	
11	K.R. Renjith, Joseph Manju Mary, C.S. Ratheesh Kumar, M.N. Manju, and N..Chandramohanakumar. 2015. Nutrient Distribution and Bioavailability in a Tropical Microtidal Estuary, Southwest India. <i>Journal of coastal research</i> .	0.852	
12	Anuradha, V., Byju, K., Jacob, K., Gopinath, A., Prashob Peter, K.J., Gireesh Kumar, T.R., Vasundhara, G., Rosamine, E., Harishankar, H.S., Kumar, N.C. and Nair, S.M., 2015. Evaluation of Biochemical and Nutritional Potential of Seaweeds from Lakshadweep Archipelago. <i>Journal of Aquatic Food Product Technology</i> , 24(7), pp.639-647.	0.673	
13	Zeena Jayan. N Chandramohanakumar, 2015. Distribution of amino acids in sediments of a mangrove ecosystem, west coast of India. <i>Mapana J Sci</i> , 14, 2(2015) ISSN 0975-3303		
14	Suryakumari, S., Saritha, S., Padma P., Sheela, V.S., Anu, G., jayalakshmy, K.V., Kumar, N.C., Nair, S.M., 2015. Chemometric	0.759	1814-2060

	assessment of water quality of river using a major biochemical constituent. <i>International Journal of River Basin Management</i> 13(2), 229-241.		
15	Byju, K., Anuradha, V., Vasundhara, G., Nair, S.M., Kumar, N.C., 2014. In Vitro and In Silico Studies on the Anticancer and Apoptosis-Inducing Activities of the Sterols Identified from the Soft Coral, Subergorgiareticulata. <i>Pharmacognosy Magazine</i> 10, S65-71.	1.256	0976-4062
16	Padma, P., Sheela V.S., Suryakumari S., Jayalakshmy K.V., Nair, S.M., Kumar N.C., 2014. Assessment of water quality of a river-dominated estuary with hydrochemical parameters: A statistical approach. <i>Water Quality, Exposure and Health</i> 5, 197-214.	0.912	2451-9685
17	Anuradha, V., Byju, K., Emilda, R., Anu, G., Nair, S.M., Chandramohanakumar, N., Prashob, P.K.J., Gireeshkumar, T.R., Vasundhara, G., 2013. Insilico biological activity of steroids from the marine sponge Axinellacarteri. <i>Medicinal Chemistry Research</i> 22, 1142-1146.	1.402	1554-8120
18	Byju, K., Anuradha, V., Rosmine, E., Kumar, N.C., Nair, S.M., 2013. Chemical characterization of the lipophilic extract of Hydrillaverticillata: a widely spread aquatic weed. <i>Journal of Plant Biochemistry and Biotechnology</i> 22(3), 304-311.	1.094	0974-1275
19	Anuradha, V., Vineetha, P.V., Mano Amrutha, Stephy, P.S., Byju, K., Shameem, K., Vasundhara, G., Kumar, N.C., Nair, S.M 2013. Sterol composition of the Indian green lipped mussel Perna Viridis. <i>Mapana Christ University Journal of Sciences</i> 12(2). DOI: http://dx.doi.org/10.12723/mjs.v12i2.471 .	nil	0975-3303
20	George, R., Martin, G.D., Nair, S.M., Chandramohanakumar, N., 2013. Biomonitoring of trace metal pollution using the bivalve molluscs, Villoritacyprinoides, from the Cochin backwaters. <i>Environmental Monitoring and Assessment</i> 185(12), 10317-10331.	1.679	1573-2959
21	Siby Kurian, B. Nagendranath, N. Chandramohanakumar and K.K.C. Nair, 2013. Geochemical and Isotopic Signatures of Surficial Sediments from the Western Continental Shelf of India: Inferring	1.786	

	Provenance, Weathering and the Nature of Organic Matter, J. <i>Sedimentary Research</i> , 83(6), 427-442		
22	Byju K., Vasundhara G., Anuradha V., Nair S. M. and N C Kumar. 2013. Presence of Phytol, a Precursor of Vitamin E in <i>Chaetomorpha antennina</i> . <i>Mapana Journal of Science</i> . 12(2): 57-65.	nil	
23	Rejomon George, Muraleedharan K.R., Martin G.D., Sabu P, Vijay John Gerson, Dineshkumar P.K., Nair S.M., Kumar N.C. and Nair K.K.C. 2013. Nutrient biogeochemistry of the eastern Arabian Sea during the southwest monsoon retreat. <i>Environmental Earth Sciences</i> . 68:703–718	1.765	
24	George, R., Muraleedharan, K.R., Martin, G.D., Sabu, P., Gerson, V.J., Dineshkumar, P.K., Nair, S.M., Chandramohanakumar, N., Nair, K.K.C., 2013. Nutrient biogeochemistry of the eastern Arabian Sea during the southwest monsoon retreat. <i>Environmental Earth Sciences</i> 68(3), 703-718.	1.765	1866-6299
25	Gireeshkumar, T.R., Deepulal, P.M., Chandramohanakumar, N., 2013. Distribution and sources of sedimentary organic matter in a tropical estuary, south west coast of India (Cochin estuary): A baseline study. <i>Marine Pollution Bulletin</i> 66(1), 239-245.	2.991	0025-326X
26	Gireeshkumar, T.R., Deepulal, P.M., Chandramohanakumar, N., 2013. Phosphorous speciation in surface sediments of the Cochin estuary. <i>Environmental Monitoring and Assessment</i> 185(3), 2535-2552.	1.679	1573-2959
27	Nebula, M., Harisankar, H.S., Chandramohanakumar, N., 2013. Metabolites and bioactivities of Rhizophoraceae mangroves. <i>Natural Products & Bioprospecting</i> 3(5), 207-232.	nil	2192-2209
28	Saritha, S., Nair, S.M., Kumar, N.C., 2013. Nano-Ordered Cellulose Containing I? Crystalline Domains Derived from the Algae <i>Chaetomorpha antennina</i> . <i>BioNanoScience</i> , 3(4), 423-427.	nil	2191-1630
29	George, R., Martin, G. D., Nair, S. M., & Chandramohanakumar, N. (2012). Biomonitoring of trace metal pollution using fishes from the Cochin backwaters. <i>Environmental Forensics</i> 13(3), 272-283.	0.562	1527-5930

30	Joseph, M.M., Renjith, K.R., Ratheesh Kumar, C.S., Chandramohanakumar, N., 2012. Assessment of organic matter sources in the tropical mangrove ecosystems of Cochin, Southwest India. <i>Environmental Forensics</i> 13(3), 262- 271.	0.562	1527-5930
31	Manju, M.N., Resmi, P., Kumar, G.T., Kumar, R.C.S., Rahul, R., Joseph, M.M., Chandramohanakumar, N., 2012. Assessment of water quality parameters in mangrove ecosystems along Kerala coast: a statistical approach. <i>International Journal of Environmental Research</i> 6(4), 893-902.	1.1	1735-6865
32	Martin, G.D., George, R., Shaiju, P., Muraleedharan, K.R., Nair, S.M., Chandramohanakumar, N., 2012. Toxic metals enrichment in the surficial sediments of a eutrophic tropical estuary (Cochin Backwaters, Southwest Coast of India). <i>The Scientific World Journal</i> . DOI:10.1100/2012/972839.	nil	nil
33	Sareen Sarah J, Pillai Raji K. Chandramohanakumar N and Balagopalan M, 2012. Larvicidal Potenti al of Biologically Synthesised Silver Nanoparticles against Aedes Albopictus. <i>Research Journal of Recent Sciences</i> . 2012; 1(ISC-2011): 52-56.	nil	
34	Manju, M. N., Resmi, P., Gireeshkumar T.R., Ratheesh Kumar, C.S., Rahul, R., Joseph, M. M., Chandramohanakumar, N. 2012. Assessment of Water Quality Parameters in Mangrove Ecosystems along Kerala Coast: A Statistical Approach. <i>International Journal of Environmental Research</i> , 6(4):893-902	1.24	
35	Renjith, K.R., Manju Mary Joseph., Prosenjith Ghosh., Habeeb Rahman, K., Ratheesh Kumar, C.S., Chandramohanakumar, N. 2012. <i>Biogeochemical facsimile of the organic matter quality and trophic status of a micro-tidal tropical estuary</i> . <i>Environmental Earth Sciences</i> 70(2), 729-742.	1.7	I 1866-6280
36	Anuradha, V., Nair, S.M., Kumar, N.C., 2011. Humic acids from the sediments of three ecologically different estuarine systems-a comparison. <i>International Journal of Environmental Sciences</i> 2(1), 174-184.	nil	0976-4402

37	Gopinath, A., Muraleedharan, N.S., Chandramohanakumar, N., Jayalakshmi, K.V., 2011. Statistical significance of biomonitoring of marine algae for trace metal levels in a coral environment. <i>Environmental Forensics</i> 12(1), 98- 105.	0.562	1527-5930
38	Joseph, M.M., Kumar, C.R., Renjith, K R., Kumar, T.G., Chandramohanakumar, N., 2011. Phosphorus fractions in the surface sediments of three mangrove systems of southwest coast of India. <i>Environmental Earth Sciences</i> 62(6), 1209-1218.	1.765	1866-6299
39	Anu Gopinath, Nair S.M., Kumar N.C. and Jayalakshmi K.V. 2011. Statistical significance of bio-monitoring of marine algae for trace metal levels in a coral environment. <i>Environmental Forensics</i> . 12: 98–105.	0.687	
40	Ratheesh Kumar, C. S., Joseph, M. M., Gireeshkumar, T. R., Renjith, K.R., Manju, M. N. and Chandramohanakumar, N., 2010. Spatial variability and contamination of heavy metals in the inter-tidal systems of a tropical environment. <i>International Journal of Environmental Research</i> , 4(4), 691-700.		
41	Manju Mary Joseph., Ratheesh Kumar C. S., Renjith, K. R., Gireeshkumar, T. R., Chandramohanakumar, N., 2010. Phosphorus fractions in the surface sediments of three mangrove systems of southwest coast of India. <i>Environmental Earth Sciences</i> . 62(6), 1209- 1218.		
42	Jacob, J.; Jayaraj, K.A.; Rehman, H.H.; Chandramohanakumar, N.; Balachandran, K.K.; Raveendran, T.V.; Joseph, T.; Nair, M.; Achuthankutty, C.T. (2009) Biogeochemistry of the surficial sediments of the western and eastern continental shelves of India. <i>Chemistry and Ecology</i> : 25(2); 2009; 135-149.		
43	Renjith K.R., Chandramohanakumar, N. 2009. Distribution of Heavy Metals in the surficial sediments of a complex micro-tidal Estuarine System in southwest India, <i>Research Journal of Chemistry and Environment</i> , 13, 34-44		

44	Jacob, J., Chandramohanakumar, N., Jayaraj, K.A., Raveendran, T.V., Balachandran, K.K., Joseph, T., Nair, M., Achuthankutty, C.T., Nair, K.K.C., George, R. ,Ravi, Z.P., 2008 Biogeochemistry of the surficial sediments of the western and eastern continental shelves of India. Journal of Coastal Research, .24; 1240-1248.		
45	Geetha, R.; Chandramohanakumar, N. & Mathews, L.2008 Geochemical Reactivity of Surficial and Core Sediment of a Tropical Mangrove Ecosystem, International Journal of Environmental Research, Vol. 2, No. 4, 329-342		
46	Gopinath, Anu; Chandramohanakumar, N.; Padmalal, D.; Nair, S. Muraleedharan, 2008. Distributional characteristics in fractionation of phosphorus in a coral reef sedimentary environment, Chemical Speciation and Bioavailability, Volume 20,(3), 149-159		
47	Joseph, Manju Mary; Kumar, C.S. Ratheesh; Kumar, T.R. Gireesh; Renjith, K. R.; Chandramohanakumar, N. 2008. Biogeochemistry of surficial sediments in the intertidal systems of a tropical environment. Chemistry and Ecology, Volume 24, Number 4, 247- 258(12)		
48	Sarika, P. R. Chandramohanakumar, N. 2008. Geochemistry of heavy metals in the surficial sediments of mangroves of the south west coast of India. Chemistry and Ecology, Volume 24, Number 6, 437-447		
49	Manju Mary Joseph., Ratheesh Kumar, C.S., Gireeshkumar, T.R., Renjith, K. R., Chandramohanakumar, N., 2008. Biogeochemistry of surficial sediments in the intertidal systems of a tropical environment. Chemistry and Ecology, 24(4), 247- 258.		
50	Anu G., Kumar N.C., Jayalakshmi K.V and Nair S.M. 2007. Monitoring of heavy metal partitioning in reef corals of Lakshadweep Archipelago, Indian Ocean. Environmental Monitoring and Assessment, 128; 195-208.		
51	Renjith K. R and N. Chandramohanakumar, 2007. Geochemical characteristics of surficial sediments in a tropical estuary, south-west India. Chemistry and Ecology, 23 (4), 337- 345		

52	Remya L., Geetha R. , Chandramohanakumar N. and Mathews L.2007. Impact on the Quality of Water after Tsunami on the Dug wells in Chellanam- A Tsunami Affected Area in Southern India – Research Journal of Chemistry and Environment, 11, 72-76		
53	L. Mathews, N. Chandramohanakumar, R. Geetha 2007. Distribution of total reactive fluoride in sediments of Kuttanad waters Indian Journal of Environmental Protection 27(11): 1001-1005		
54	Geetha R, Chandramohanakumar N, Mathews L 2007. Distribution of total reactive fluoride in sediments of kuttanad waters. Indian Journal of Environmental Protection, 12(11), 1001-5.		
55	Geetha, R., Chandramohanakumar, N., and Mathews, L.,2006. Seasonal and tidal impact on the organic compounds and nutrient distribution in tropical mangroves, Kerala, India. Chemistry and Ecology, 22:29-45.		
56	Lizen Mathews, Chandramohanakumar N., and Geetha R., 2006. Nitrogen dynamics in the sediments of a wetland coastal ecosystem of Southern India. Chemistry and Ecology, 22:21-28.		
57	Uma, G. and Chandramohanakumar, N., 2006. Vibrio cholerae CTXΦ Phage R Repressor Gene is borne on an incertion sequence-like element and encodes a putative transposase. Applied Bioinformatics, 5:21-28		
58	Unnikrishnan , P., Babu , V., Chandramohana Kumar, N., Muraleedharan Nair , S. , and Anu Gopinath., 2006. A Flow Reactor Model Facsimile to the Trace Metal Partitioning in a Tropical Backwater System. Environmental Forensics, 7:189-196.		
59	Anu Gopinath , Kumar, N.C., Jayalakshmi, K.V., Padmalal, D. and Nair S.M. 2005. A predictive regression model for the geochemical variability of iron and manganese in a coral reef ecosystem. Environmental Forensics. 6:301-310.		
60	Mathews L, Chandramohanakumar N, Geetha R, Paneer Selvam A, 2005. Speciation of phosphorus in wetland ecosystem. Indian J Environ Prot., 25(4), 317-328		

61	Anu Gopinath, N. C. Kumar, D. Padmalal and S. M. Nair 2004. Speciation of nitrogen in the coral reef sedimentary environment of Lakshadweep archipelago, Indian ocean, Chemistry and Ecology, 20 (4), 267-278		
62	Anu Gopinath , Kumar, N.C. and Nair S.M. 2004. An introductory study on the biogeochemical features of the coral sediments of the Minicoy Island , Lakshadweep . Indian J. Environmental Protection. 24: 113-120.		
63	Lizen Mathews and Chandramohanakumar, N. 2003. The ratios of Carbon , Nitrogen and Phosphorous in a wetland ecosystem of Southern India. International Review of Hydrobiology, 88: 179.		
64	Lalu Raj, Sujatha C,H., Nair S.M., Kumar N.C. and Chacko J. 2002. Base-line studies on the chemical constituents of Kayamkulum estuary near to the newly commissioned NTPC power station. Indian Journal of Environmental Protection. 22:721-731.		
65	Beenamma Jacob and Kumar, N.C. 1996 .The distribution of different sulphur fractions in the surficial sediments of the Kerala coast, south-west of coast of India. Indian Journal of Marine Science,25: 16-19.		
66	Nair, T.V., Jacob Chacko and Kumar, N.C.1995. Distribution of petroleum hydrocarbons in sediments of Cochin estuary, south-west of coast of India. Indian Journal of Marine Science, 24: 240-242		
67	Sujatha C.H., Nair S.M., Kumar N.C. and Jacob Chacko. 1994. Distribution of DDT and its metabolites in an Indian waterway. Environmental Toxicology and Water Quality, 41:47- 55		
68	Sujatha C.H., Nair S.M., Kumar N.C. and Jacob Chacko 1993. Distribution of organochlorine pesticides in a tropical waterway: HCH and its metabolites. Toxicology and Environmental Chemistry, 39: 103-111.		

List of Seminars/Symposium Presentations

Sl.no	Author/Title
1	Chandramohanakumar, N., Mercy Philip, Joseph, K.J. and Nambisan, P.N.K.,1987. Growth response of <i>Synechocystis salina</i> to heavy metals. National symposium on estuarine management, Trivandrum,11.
2	Chandramohanakumar, N. and Jayasree,G.,1988. Competitive interaction of copper and manganese on the growth of a blue green algae from Cochin estuary. Proc. Symp. Fate and effects of toxic chemicals in large rivers and their estuaries, Quebec,17.
3	Chandramohanakumar, N. and Jayasree, R.,1988. Growth responses of <i>Synechocystis salina</i> to copper and zinc, singly and in dual combinations. Proc. Symp. Fate and effects of toxic chemicals in large rivers and their estuaries,Quebec,18.
4	Nambisan,P.N.K., Sivadasn,C.R.,and Chandramohanakumar,N.,1988. On the toxicity of copper(II) on the crustacean <i>Metapenaeus dobsoni</i> . Proc. Symp. Fates and effects of toxic chemicals in large rivers and their estuaries, Quebec,70.
5	Benny Mathew, Jacob Chacko and Chandramohanakumar, N.1989.Distribution of Urea in Cochin Backwaters. International Symposium on Marine Pollution, Porto Novo, India.
6	Jayasree,G. and Chandramohanakumar,N.1991. Fluorescence Phenomena of fulvic and Humic Acids of Aquatic origin and Microbial Cultures, 20 th General Assembly IUGG, August 11- 24, 1991.
7	Vasudevan Nair, T. and Chandramohanakumar, N 1991. Distribution of Organic C,N and P in the Sediments of a tropical Estuary, 20 th General Assembly IUGG, August 11-24, 1991.
8	Jayasree, G. and Chandramohanakumar, N 1991. Nitrogen and Phosphorous in Humic Substances, XX General Assembly IU GG, August 11-24.
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PROJECTS ONGOING/COMPLETED

1. Name : Inter University Centre for Development of Marine Biotechnology
Funding Agency : Government of Kerala
Period : 2009 onwards

2. Name : Sterols and Hopanoids as Organic Matter Biomarkers in Mangrove Ecosystem along Kerala Coast".
Funding Agency : Kerala State Council for Science Technology and Env't, Govt. of Kerala
Period : 2012-2015

3. Name : Sustainable Management of Mangrove Ecosystems- Biogeoorganics and Biomarker Approach.
Funding Agency : Dept of Science and Technology, Govt of India
Period : 2009 - 2012.

4. Name : Biotracers of of Mangrove Ecosystems along Kerala coast North of Cochin
Funding Agency : Ministry of Earth Sciences, Govt. Of India
Period : 2008 - 2011.

5. Name : Water quality of the Wells in Cochin City
Funding Agency : IMCOS – MHO, The Netherlands
Period : 2003 - 2004.

6. Name : Carrying capacity and Ecosystem Modelling of Mangroves with reference to Kerala Coast.
Funding Agency : Dept of Ocean Development, Govt of India
Period : 2000 – 2004.