

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY DATABASE

INFORMATION DATA SHEET FOR FACULTY MEMBERS

(INSERT ADDITIONAL ROW(S)WHERE EVER NECESSARY)

Name:	Prof. (Dr.) A. N. BALCHAND	
Department :	DEPARTMENT OF PHYSICAL OCEANOGRAPHY	
Contact Details		
Address for communication	Fine Arts Avenue, Cochin 682016	
Email	balchand57@gmail.com , anb@cusat.ac.in , balchand@rediffmail.com	
Phone	0484 2363950, 0484 2863218	
Intercom	3218	
1. Academic Background		
Qualifications:	PH D OCEANOGRAPHY	
Qualifying Post Graduate Degree:	M Sc Oceanography	
Ph. D with NET		
Ph. D without NET		
Post Graduate Degree(s)	M Sc	
Under Graduate Degree(s):	B Sc	
Any other PG degree/ Diploma relevant to the subject:	P G Diploma in Human Resource Management P G Diploma in Criminology and Forensic Sciences	
2. Research Performance		

2.1 Published / accepted papers in Journals / Conferences:

Google Scholar : as on 20 July 2016

Total citation : 477, since 2011 : 242; H – index : 12, since 2011 : 7; i10 index : 15, since 2011 : 5

List of publications covering **National** and **International Journals** AND **International** / National Conferences or workshop :

Sources consulted for SNIP, SJR, IF and H-index : JCR 2013, <http://www.scimagojr.com>, <http://www.impactfactorsearch.com>, Google scholar, as applicable.

/ Updated information to 2016: Additional sources consulted are : citefactor.com, journalmetrics.com, SCI2015JCR, ISI2014

[Cited by : Google Scholar, SNIP : Source Normalized Impact per paper, SJR : Scimago Journal & Country Rank, IF: Impact factor, H-Index: Hirsch Index]

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101)Umesh P. A., Swain J. and Balchand A. N., 2016. Performance validation and third generation wave model WAM using OSCAT winds, International Journal of Remote Sensing. (under publication).

2.1. Web based publication

Beaches of Kerala Version 3.0

Hosting at CUSAT web site

.2. Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects):					
	Sl No.	Title	Funding Agency	Amount & Duration	Principal investigator/ Co-investigator
	1.	Studies on estuarine processes with special reference to sedimentation at Cochin harbor vis-à-vis future development plans.	DST, New Delhi	Rs 10.36 lakhs, 1995-98	A N Balchand, Principal Investigator
	2.	Limnological studies of the water bodies around Cochin – Carrying Capacity Studies	MEF, New Delhi	Rs 40 Lakhs, 1997-2001	A N BALCHAND, Principal Investigator and P G KURUP, Co-Investigator
	3.	Estuarine Hydrodynamics - Biome Interactions – Cochin Backwaters	UGC - Departmental Special Assistance Program	Rs 12 lakhs, 1998-2002	P G KURUP, Investigator and A N BALCHAND, Co - Investigator
	4.	M.Tech Ocean Technology, Academic program	Academic program – UGC, India	Rs 50 Lakhs, 2001 - 2005	A N BALCHAND, Faculty of Department
	5.	Center for Integrated Management of Coastal Zones, MHO program	NUFFIC, The Netherlands	Approx. Rs 55 Lakhs, 1999-2004	A N BALCHAND, Coordinator and Investigator : February 2003 to June 2004
	6.	Ocean color application studies on Bio-geo – constituents in the coastal and estuarine waters of Greater Kochi Region	DST	Rs 15 Lakhs, 2003 - 2006	Dr K Ajith Joseph, PI & A N Balchand, Supervising Guide

7.	Oceansat II Ocean application	SAC	Rs 12 Lakhs, 2008 - 2011	Ajith Joseph, PI, and A N Balchand Co-PI
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8.	Application of Altimetry (AltiKa) and Ocean Color (Oceansat II) in the studies of mesoscale features of the South-eastern Arabian Sea [SALT SEAS]	SAC	Rs 24.6 Lakhs, 2012 - 2015	A N Balchand, PI and Ajith Joseph, Co-PI
9.	ARTISTICC	EU	Approx. One Crore, 2013 - 2016	K T Thompson, SIF [PI] and A N Balchand, DPO from CUSAT and Dr Ramesh Kumar, NIO
10.	NORKLIMA (INDIA – CLIM)	NERSC, Norway ANNA University DPO, CUSAT	Approx. Rs 50 Lakhs, 2013 - 2015	Ajith Joseph, A N Balchand Consultant, Faculty from ANNA Uty and NANSEN

2.3	Research Guidance :				
2.3 (a)	Ph D – Degree Awarded				
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.	Strait Dynamics of Tropical Tidal Inlets	NONE	Dr K Ajith Joseph	CUSAT	1998
2.	Dredging Impact Assessment (DIA) at Cochin – A Tropical Estuarine Harbour	NONE	Dr K Rasheed	CUSAT	1998
3.	Integrated Management for Sustainable Development of Coastal Zones – A GIS Based Study on the Central Kerala Coast	NONE	Dr M S Madhusoodanan	CUSAT	2004
4.	Synergic Reactions in the Estuarine Environment leading to Modulation of Aluminium metal during Transport Processes (in Cochin Estuary)	NONE	Dr M C Sanjana	CUSAT	2005
5.	Modeling of Suspended Sediment Dynamics in Tropical River Basins	NONE	Dr T Chandramohan	CUSAT	2007
6.	Pollution Routing in a Tropical Estuarine Environment	NONE	Dr M G Sreedevi	CUSAT	2008
7.	Studies on Ocean Surface Layer responses to Atmospheric Forcing in the North Indian Ocean	NONE	Dr K Jossia Joseph	CUSAT	2012
8.	Remote Sensing the Signatures of Upwelling in South Eastern Arabian Sea	NONE	Ch. V. Chiranjivi Jayaram	CUSAT	2012
9.	Validation and inter comparison of wave hindcasts using third generation models in the north Indian ocean	Dr J Swain (Guide); Dr A N Balchand (Co-guide)	Dr P A Umesh	CUSAT	2015

Under Adjudication : Studies on the annual, interannual and climatic variabilities of Indian ocean warm pool, P K SAJI

Under Adjudication ; ANN based data mining technique to achieve improved accuracy to predict ISMR from ocean – atmosphere state variables, Maya L Pai

Current guidance:

1. Muhammad Shafeeque : South Eastern Arabian Sea studies based on satellite oceanography (Broad topic)

2.4	Awards / Medals / Fellowships Academic Recognitions:	
Award	Particulars	
1 Commonwealth Fellowship, U K	Post doctoral - Aailed during 1985	
2 Swedish Fellowship	Post doctoral – did not avail, concurrent with above.	

3	Assessment of Domain Knowledge				
3.1	Experience Additional Teaching / Industrial Experience after obtaining minimum eligibility criteria for the particular post (Only Full-time teaching assignments and/ Industrial Experience not below the rank of Lecturer in UGC/AICTE approved institutions/ Assistant Manager / Officer in a public / multi-national Company, after obtaining the minimum educational qualifications for this post)				
	SI No.	Institution	Post held	Period (from ... to..)	No. of years
University PG level	1.	CUSAT	Reader	20-2-1990 to 26-4-1998	8
	2.	CUSAT	Professor	27-4-1998 to date	18

3.2	Additional Research Experience after Ph. D			
	Institution	Post Held	Period	No. of years
Post-Doctoral Research	Institute for Marine Environmental Research, Plymouth, U K	Commonwealth Fellow	1985	1

3.3	<i>Academic / Administrative Experience (give particulars):</i>		
3.03 (a)	<i>Administrative experience:</i>		
SI No	Post Held	Period	No. of years
1	Head of the Department	01-07-2001 to 30-6-2004	3
2	Head of the Department	15-12-2007 to 14-12-2010	3
3	Head of the Department	From 21-09-2013 for a month	Officiating as HOD during the absence of incumbent on medical grounds
4	Head of the Department	01-01-2014 to date	2+
5	Dean, Faculty of Marine Sciences	20 June 2015 onwards	1+
6	Member, Syndicate CUSAT	20 June 2015 onwards	1+

3.03 (b)	Academic experience (Member, Board of studies, Academic council / Faculty etc.)		
SI No	Positions held	Period	No. of years
1	Chairman, Board of Studies (BOS) in Physical Oceanography; Member, Faculty of Marine Sciences.	Commencing 14-9-2006 Commencing 20-5-2011 BOS Commencing 24-9-2011 Faculty	For 4 years For 4 years For 4 years
2	Member, Undergraduate Board of Studies in Marine Science	Commencing 30-3-2004 Commencing 31-5-2008	4 years 4 years
3	Member, Board of Studies in Defense Sciences and Technology	Commencing 27-12-2012	For 4 years
Member of Academic Council concurrent with position held as Chairman of Board of Studies. Academic Council member as Dean of Faculty of Marine Sciences. 2015-2018. Mmeber of Board of Studies in Marine Sciences, Goa University.			

3.4	Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :		
	Duration of Course	Short Title	Agency
	One week	Radio-isotope applications	DAE - IANCAS
	Two weeks	CZM	NUFFIC - IHE 2001

New Project submitted.: Integrated study of Ocean Carbon Dynamics for SEAS with emphasis on ocean productivity and carbon sequestering, Bijoy Nandan and Balchand A. N., 2016 to DST

Place: Cochin 16
Date: 26-07-2016

Prof. (Dr.) A. N. BALCHAND