

厦门大学海洋与环境学院 COLLEGE OF OCEANOGRAPHY AND ENVIRONMENTAL SCIENCE OF XIAMEN UNIVERSITY

2009-2010 子说先 Annual Report



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序言

曾子曰:吾日三省吾身。对于一个学院的发展来说,仅有大的方向,仅有信心来源和畅想空间还是不够的,我们需要清晰而具体的反省、分析和判断,对现状做出质朴的解读,进而不懈努力。回望刚刚划过的 2009-2010 学年的轨迹,碾痕有深有浅,于是,我们学习、反省,"止于至善"。

秉承兢业创新的优良传统,学院倾力打造高水平人才培养平台,成绩斐然。2009年10月,《化学海洋学》成为我院的又一门国家级精品课程;同年12月,海洋环境科学"国家级实验教学示范中心"花落我院,2010年7月,"海洋科学创新性人才培养教学团队"晋升为国家级教学团队。同时,学院的国际化教育进程也得到了进一步的实质推动,海洋学系本科生已于2010年9月开设国际班并招生,成为全校五个专业试点之一。高水平人才培养平台的成效亦开始显现。本学年度,我院共有17名学生获国家奖学金,37人获国家励志奖学金。陈芳奕获首届教育部博士研究生学术新人奖,任洪林获福建省优秀博士学位论文一等奖。在人才培养的实践中,学院坚持教研相彰,60%以上的本科生参与各类科研计划,如973计划、863计划、南北极地研究、大洋科考等,而学院两项颇具国际特色的本科生暑期科研训练项目一"凌峰暑期科研训练"及"海洋本科生科研创新计划"继续发挥重要的作用。此外,学院也一直致力于拓展创新人才培养模式,发起及推进了"中国海洋科学卓越教育伙伴计划"(COSEE-China),以推广中国海洋科学与文化教育,促进国际交流与合作,培养未来海洋人才。

2009-2010 学年是学院队伍建设佳绩颇丰的一年。高坤山、王克坚共同领衔的"海洋环境生理与毒理学" 团队成为教育部创新团队,成为继"海洋生物地球化学"创新研究群体后的第二支重要的具有开展交叉学科研究实力的突击队; 黄邦钦受聘"闽江学者"特聘教授,王大志与张锐双双入选"教育部新世纪优秀人才",洪华生及焦念志同时获得"福建省第二届杰出科技人才"的殊荣。特别可喜的是,来自美国康州大学的林森杰教授及来自台湾中研院的高树基教授入选本年度"千人计划",两位领军教授的加盟必将为学院的发展注入强劲的动力。

2009-2010 学年更是科学研究及发展具有历史性突破的一年。2009 年度,我院科研经费首次突破 7000 万,为我院的学科建设及科研工作的进一步发展奠定了雄厚的基础。《科学》杂志报道焦念志及其领衔的国际海洋科学委员会第134 工作组有关"海洋微型生物碳泵"的研究成果—《巨大碳库的幕后推手》,该成果同时入选 2010 年度中国高等学校十大科技进展。 "低纬度近海碳的源汇格局与调控机理"项目也荣获得了 2009 年度"高等学校科学研究优秀成果奖(科学技术奖)"自然科学类一等奖。2009 年至今,我院师生共发表了 220 篇 SCI 或 EI 论文,相当部分发表在权威的国际学术期刊 如 Nature Reviews Microbiology Limnology and Oceanography, Global Change Biology, Journal of Geophysical research 等等。

2009-2010 学年,学院的学术交流依然活跃。学院先后与香港海洋污染国家重点实验室及中国水产科学研究院黄海水产研究所分别签署了战略合作协议,巩固了战略伙伴合作关系。本学年,我们成功主办了一系列国内国际会议。如:"海洋微型生物储碳机制及相关地球化学过程国际研讨会","海峡两岸海洋环境监测及预报技术研讨会","两岸三地创新型海洋科技人才培养论坛"等。

本年度值得一书还有:"近海海洋环境科学国家重点实验室"进入优秀国家重点实验室行列,2010年6月18日, 环境科学与工程系迎来了成立10周年暨环境学科创立28周年的庆典。2010年6月10日"海洋2号"科考船建成下水 试航.....。

学习、反省,追寻的是"至善"—显然前程依然修远。所幸的是,我们的目标已然明确、步伐也已迈出,只要我们不断聚集新鲜与激情,就一定能披着希望的晨晖,在海环这卷底蕴颇丰的画卷上泼洒更为清丽质美的墨迹。

都过度

戴民汉

厦门大学海洋与环境学院院长

二〇一〇年十月

MESSAGE FROM THE DEAN

During the 2009-2010 academic year, our faculty members have continued to devote themselves in education, research, and community services, and have made tremendous achievements which I am pround to highlight in this annual report.

During the past year, we have moved big steps in the development of our academic programs. We made tremendous efforts to establish college-wide assistantships and fellowships for graduate students by providing extensive support for graduate students, covering both the tuition and support for living. Thanks to the generosities of Fujian Tianma Technology Group Co., Ltd, Xiamen Golden Bridge Federation, and Xiamen Powertech Co., Ltd, COE is able to extend the scholarship and assistantship to undergraduates and faculty members. In July 2010, the Teaching Group for Marine Science Specialists was promoted as a National Teaching Group. Also, "Chemical Oceanography" was recognized as a National Excellent Course. The COE Laboratory Center for Education was promoted to national level in December 2009.

During the 2009-2010 academic year, as a recipient of the Distinguished Young Scholar Award from NSF-China, Bangqin Huang was promoted to a Minjiang Chair Professor; and Dazhi Wang and Rui Zhang obtained grants supported by the MOE Program for New Century Excellent Talents for the year 2010. Meanwhile, led by Kunshan Gao and Kejian Wang, a new group of excellence "Studies on Marine Environmental Physiology and Toxicology" was awarded by the MOE. Huasheng Hong and Nianzhi Jiao were in the list of the 2nd Fujian Distinguished Talents. Moreover, we are glad to have Dr. Senjie Lin from the University of Connecticut, and Dr. Shuh-Ji Kao from the Academia Sinica, who are both the awardees of the Recruitment Program of Global Experts, join us. We also welcomed another ten scientists to be our faculty members.



In 2009, our faculty members continued to show strong competence being awarded by external research funding. The total funding for research has reached 74M RMB, an increase of 15.7 % compared to the previous year. In 2009, 143 peer reviewed articles were published in SCI/EI journals; and another 148 SCI/EI articles have been published in 2010 until October. Many of them were published in top international journals. To name but a few, Nianzhi Jiao and his team proposed a conceptual framework named the "Microbial Carbon Pump (MCP)", which addressed the importance of microbial processes in carbon storage in the ocean. This study was published in NATURE REVIEWS Microbiology (2010(8):593-599). The proposed MCP was also reported by Science as NewsFocus, where the MCP is considered to be "The invisible hand behind a vast carbon reservoir" (2010, Science (328):1476-1477). In addition, Kejian Wang's team investigated the interaction between the innate immunity of marine animals and the toxic effects of pollutants from the marine environment, and three articles have been published in Fish and Shellfish Immunology (a top journal in the field) to elucidate the immune-associated genes, which will be the target genes for immunotoxicology study. Kunshan Gao's research, which was published in Global Change Biology (2010. 16(8): 2388-2398) and highlighted by Nature China, pointed out that ocean acidification is not the only problem threatening the survival of coral reefs.

Last but not least, a major research platform of the COE, the State Key Laboratory of Marine Environmental Science (MEL), was recognized as category A through the review of the MOST carried out in 2010. Reviewing these achievements, I attribute them to the strength of our teaching and research programs and, of course, to the people who make them happened. We have consistently been one of the strongest colleges on the Xiamen University campus. In the meantime I share, as usual, our achievements and happiness with all our worldwide friends and colleagues who have helped our institute in many ways over the past years. Finally, I would like to take this opportunity to wish COE members and all of our students a successful and prosperous 2010-2011 academic year.

alte

Dr. Minhan Dai, Professor, Dean

College of Oceanography and Environmental Science, Xiamen University



走近海洋与环境学院 About COE

院系结构 COE Structure

海洋与环境学院

College of Oceanography and **Environmental Science**

院党委书记 (General Secretary)

吴立武 (Liwu Wu)

院党委副书记 (Associate General Secretary)

陈国强 (Guoqiang Chen)

院长 (Dean)

戴民汉 (Minhan Dai)

副院长 (Associate Dean)

曹文清 (Wenqing Cao) 郑爱榕 (Airong Zheng) 黄邦钦 (Bangqin Huang) 陈 敏 (Min Chen)

海洋学系 Department of Oceanography

主任 高爱国 Director Aiguo Gao

近海海洋环境科学 国家重点实验室

State Key Laboratory of Marine Environmental Science

亚热带海洋研究所 Institute of Subtropical Oceanography

环境科学与工程系

Department of Environmental Science & Engineering

主任 王大志

Dazhi Wang Director

水声通信与海洋信息技术 教育部重点实验室 Key Laboratory of

Underwater Acoustic Communication and Marine

环境科学研究中心 **Environmental Science** Research Center

海洋技术与工程系

Department of Marine Technology & Engineering

主任 柯才焕 Director Caihuan Ke

福建省海洋环境科学 联合重点实验室 Joint Key Laboratory of Coastal Study

海洋与海岸带发展研究院 Coastal and Ocean Management Institute

- http://ese.xmu.edu.cn/
- http://mel.xmu.edu.cn
- http://uac.xmu.edu.cn
- http://comi.xmu.edu.cn

Annual Report



学院各类委员会 Leadership Teams

(注:以下按姓氏笔划为序)

学术委员会

主 任:袁东星副主任:杨圣云

成 员:弓振斌、王桂忠、苏永全、杨圣云、陈 敏、柯才焕、洪华生、胡建宇、黄邦钦、商少平、焦念志、戴民汉

学位委员会

主席:戴民汉副主席:袁东星

成 员: 弓振斌、王桂忠、苏永全、杨圣云、陈 敏、柯才焕、洪华生、胡建宇、黄邦钦、商少平、焦念志

聘任委员会

主 任:戴民汉副主任:吴立武

成 员:王大志、陈 敏、郑爱榕、柯才焕、高爱国、曹文清、黄邦钦

211 三期"海洋资源与环境"建设项目领导小组

组 长:戴民汉

副组长:黄邦钦、陈 敏

成员: 王大志、杨圣云、林光辉、洪华生、柯才焕、高坤山、袁东星、商少平、高爱国、焦念志

翔安校区规划领导小组

组长: 戴民汉、吴立武副组长: 黄邦钦、郑爱榕

成员: 王大志、王海黎、白志毅、陈敏、陈国强、李炎、柯才焕、高爱国、曹文清、商少平

翔安校区概念设计规划小组

组 长: 黄邦钦

成 员:王大志、王海黎、李 炎、吴立武、郑爱榕、郁 昂、柯才焕、高爱国

青年教师谋划委员会

王新红、刘海鹏、陈 荣、罗津晶、童 峰、蔡平河、翟惟东

学术文化交流促进委员会

方秦华、刘海鹏、陈军、吴水平、杨伟锋、张彩云、罗津晶、童峰

学院速读 At a Glance

2010 年秋季入学新生 FALL 2010 ENROLLMENT

本科生 140 人 140 undergraduate students 硕士生 123 人,博士生 44 人 123 MS and 44 PhD students

学科排名及荣誉 NATIONAL RANKINGS AND HONORS

学院拥有海洋科学国家一级学科重点学科,环境科学国家二级学科重点学科。

Both our Marine Science and Environmental Science programs are recognized by MOE as top national education programs.

学院是"海洋科学-教育部理科基础科学研究和教学人才培养基地"。

COE is a "National Base for Higher Education on Marine Science".

教育部学位与研究生教育发展中心 2008 年完成的对中国高校的一级学科评估中,海洋科学排名第二,环境科学与工程排名第九。

The Marine Science program ranked 2nd and the Environmental Science and Engineering program ranked 9th among Chinese institutions, according to the evaluation carried out by MOE in 2008.

"海洋资源与环境"为"211工程"和"985工程"重点建设项目。

The Marine Resources and Environment program, primarily based in COE, is supported by both "211" and "985" programs.

国家精品课程: "海洋浮游生物学"、"声学基础"、"化学海洋学"。

"Marine Planktology", "Fundamentals of Acoustics" and "Chemical Oceanography" are National Excellent Courses.

师资力量 FACULTY QUALITYH

拥有"海洋生物地球化学过程与机制"国家级创新研究群体。

A group composed of 14 faculty members has been awarded through NSF-China's Group of Excellence Program on marine biogeochemistry since 2005.

拥有"海洋环境生理与毒理学"教育部创新团队。

A new group project on "marine environmental physiology and toxicology" was funded by the Ministry of Education in 2010.

拥有"海洋科学创新性人才培养教学团队"国家级教学团队。

The Teaching Group for Marine Science Creative Talents was promoted to national level in July 2010.

拥有国家杰出青年基金获得者 4 名。

Four professors were awarded Distinguished Young Scholars funded by NSF-China.

拥有 2 名"干人计划"特聘教授、2 名 "长江学者" 特聘教授、3 名 "闽江学者" 特聘教授、2 名厦门大学特聘教授。 COE has 9 Chair Professors.

2 人入选国家级"百千万人才工程"; 6 人获"教育部新世纪优秀人才计划"支持。

Two professors were selected for the National Baiqianwan Talent Project. Six faculty members were received support from the MOE Program for New Century Excellent Talents.

11 名教授在 20 余个国际学术组织或机构中任职。

Eleven professors are serving in over 20 international academic committees.

自 2005 年, 学院荣获省级教学成果一等奖 3 项、二等奖 1 项、省级教学名师 4 人。

COE faculty members have won three first and one second education awards, and four Excellent Teacher Awards at the provincial level since 2005.

科学研究 RESEARCH EXCELLENCE

学院附属有 6 个科研中心和平台。拥有近海海洋环境科学国家重点实验室、水声通信与海洋信息技术教育部重点实验室等国家和部门重点实验室。

The college hosts six research centers and platforms including the State Key Laboratory of Marine Environmental Science, and the Key Laboratory of Underwater Acoustic Communication and Marine Information Technology sponsored by MOE.

2001年以来曾获国家自然科学基金资助 179 项,其中重大、重点项目 12 项。

Since 2001, COE faculty members have obtained 179 research grants from the National Natural Science Foundation of China.

2009 年学院教师争取各级科研经费超过 7400 万元, 人均近 70 万。

In 2009, the COE faculty received competitive research grants over 74 million RMB.

研究成果曾获 2007 年"国家自然科学二等奖"。

The research project "The structure of marine primary productivity and microbial ecology" won the second place at the National Natural Science Awards in 2007.

Annual Report

学生素养 STUDENT QUALITY

优质多样的生源,其中,海洋科学"提前批"录取优秀高考生,环境科学的录取分始终名列厦门大学前茅。 Excellent student background.

学院 60%以上的本科生参与科研计划,在各类学术与科技赛事中表现出色。

Over 60% of COE undergraduate students participate in a variety of research projects.

学生特别是研究生积极参与大型科学研究计划包含 973 计划、863 计划、南北极地研究、大洋科考等,开拓提升学术视野与科研素养。

Students have a variety of opportunities to be trained in large-scale research projects.

社会责任感强,积极开展深入校园、深入社区的保护海洋、保护环境的公益活动,如环境资源调查、环保讲座、与企业 联合开展红树林种植、"低碳校园行"宣传、"海洋之心夏令营"等。

COE Students are very active in diverse social activities.

国际化教育 INTERNATIONAL EDUCATION PROGRAMS

海洋事务国际硕士项目(2006-)-与罗得岛大学、华盛顿大学、特拉华大学和仁荷大学合作开展。

International Master Program of Marine Affairs (MMA) (2006-) — in collaboration with the University of Rhode Island, the University of Washington, the University of Delaware and Inha University.

凌峰暑期科研训练计划及海洋本科生科研创新计划实现了本科生国际化教育。

The Lingfeng Summer Research School and the Undergraduate Innovative Research Program were well designed for undergraduates, which are organized every summer with institutions overseas.

奖、助学金 SCHOLARSHIPS AND FELLOWSHIPS

海洋与环境学院研究生奖学金、助学金,覆盖研究生三年的学费,大幅提高学生的生活费资助额度。 The COE scholarships and fellowships were founded in 2009.

成立"天马奖学金"、"金桥奖学助学基金",奖励对象为学院本科生和研究生。

"Tian-Ma Scholarship" and "Golden Bridge Scholarship & Assistantship" were established for COE students.

设立"宝特奖教金",奖励参与"凌峰计划"的教师。

"Powertech Scholarship" was founded for scientists participating in the Lingfeng Project.



大事犯 Headlines

平台建设 Platform Development

近海海洋环境科学国家重点实验室经过5年的建设已于2010年进入优秀国家重点实验室阵列。

The State Key Laboratory of Marine Environmental Science is categorized as a class "A" state key laboratory by MOST in 2010 during a nation-wide review among state key laboratories in earth science.

2009年12月获批国家海洋环境科学实验教学示范中心。

The COE Laboratory Center for Education was promoted to national level in Dec. 2009.

2009年9月,获批科技部"国际科技合作基地"。

MEL is designated as a Base for International Cooperation for Science and Technology.

科学研究 Research Highlights

戴民汉等研究成果"低纬度近海碳的源汇格局与调控机理"获教育部 2009 年高等学校科学研究优秀成果奖——自然科学 一等奖。

Researches on "Air-Sea CO₂ exchanges in low latitude marginal seas – fluxes and controls" won the first place at the 2009 Ministry of Education Natural Science Awards.

Science 以 NewsFocus 专题报道焦念志等提出的"海洋微型生物碳泵(Microbial Carbon Pump, MCP)"理论框架,称之为"巨大碳库的幕后推手"。

Nianzhi Jiao et al. proposed a conceptual framework named "Microbial Carbon Pump (MCP)", The proposition of MCP is reported by *Science* as NewsFocus, where the MCP is considered to be "The invisible hand behind a vast carbon reservoir" (2010, *Science* (328):1476-1477).

苏永全任公益性行业(农业)科研专项项目"优质安全大黄鱼养殖产业链技术研究与示范" 首席专家,五年的支持额度为 1046 万元。

Led by Yongquan Su, the project "Industrialized large yellow croaker (*Larimichthys crocea*) culturing technology" was funded with 10.46M RMB by the Ministry of Agriculture, which is a five-year national commonweal research project.

李炎任海洋公益性行业科研专项"东南沿海半封闭海湾生态系统对人类活动干扰的响应评价、生态重构技术及示范"首席专家,项目经费1600万元。

Led by Yan Li, the project "Evaluation of responses to human impacts, restoration technology and demonstration for semi-enclosed bay ecosystems in Southeast China" was funded with 16M RMB by the State Oceanic Administration.

柯才焕等培育出的"东优1号"杂色鲍,2010年获批农业部颁发的我国水产新品种证书。

Small abalone "DongYou No.1" developed by the research group led by Caihuan Ke was confered for "new species certificate" by Ministry of Agriculture in 2010.

队伍建设 Promotions & Recognitions

"海洋环境生理与毒理学" 团队获批 2009 年度教育部创新团队。

A new group of excellence "Marine environmental physiology and toxicology" was awarded by the MOE in 2009.

2010年7月,"海洋科学创新性人才培养教学团队"晋升为国家级教学团队。

In July 2010, the Teaching Group for Marine Science Specialists was promoted as a National Teaching Group.

林森杰、高树基入选 2010 年度"干人计划",加盟海洋与环境学院。

Senjie Lin and Shuh-Ji Kao were supported by the Recruitment Program of Global Experts in 2010.

黄邦钦于 2009 年 9 月获国家杰出青年科学基金资助, 2010 年 4 月获批"闽江学者"特聘教授。

As a recipient of Distinguished Young Scholar Award from NSF-China, Bangqin Huang was promoted to a Minjiang Chair Professor.

王大志、张锐于 2010 年 3 月入选"教育部新世纪优秀人才计划"。

Dazhi Wang and Rui Zhang received support from the MOE Program for New Century Excellent Talents in Mar. 2010.

重要事件 Other Events

2010年2月,1976级海洋化学班系友回母系团聚;10月,1986级海洋物理班和1994级海洋生物班系友也回到母系。

2010年3月,第六届全国海洋类毕业生供需见面洽谈会在我校举办。

The 6th Job Fair for Oceanography Students was held in March.

2010年6月, "海洋2号"科考船建成下水。

In June 2010, the RV Ocean II (90T) successfully had her maiden voyage.

2010年6月18日,环境科学与工程系迎来了成立10周年暨环境学科创立28周年的庆典。

On 18 June 2010, COE celebrated the 10th anniversary of the Department of Environmental Science and Engineering (ESE).

与国内国际同行共同筹建"中国海洋科学卓越教育伙伴计划"。

COE promoted the establishment of Centers for Ocean Sciences Education Excellence of China (COSEE-China).



人才培养与教育 ACADEMICS

卓越教育 Excellence in Education

国家精品课程 National Excellent Course

我院原有两门国家级精品课程——"海洋浮游生物学"与"声学基础"。2009年 10 月,《化学海洋学》也跻身国家级精品课程行列。"化学海洋学"课程由我国已故著名海洋化学家李法西教授于 1958年创立,凝聚海洋化学几代人的努力,成为厦门大学海洋科学的品牌课程之一。

"Chemical Oceanography" is a core course of marine chemistry initiated in 1958 by Prof. Faxi Li. Through the devotion of generations, this course has been recognized as a "National Excellent Course" since 2009.



Prof. Min Chen teaching in the class.

(Photo by Run Zhang)

国家级教学团队 National Teaching Group



Some members of the Group with other colleagues at a workshop in Ningbo.

(Photo Provided by Wenqing Cao)

我院"海洋科学创新性人才培养教学团队"于 2010 年擢升为国家级教学团队,团队带头人为长期坚持教学第一线的曹文清教授。该团队基于海洋科学教育改革研究与实践的综合课题组,是在教学与科研有机结合的改革实践中逐步形成的一支充满朝气的优秀教学团队。团队成员在教学改革、课程建设、教学管理、学生创新能力培养等方面均取得了突出的建设成果。

The Teaching Group for Marine Science Specialists was promoted to be a National Teaching Group in July 2010. Prof. Wenqing Cao, the leader of the Group, has over thirty-year's teaching experience, and has received an Excellent Teacher Award of Fujian Province in 2007.

厦门大学海洋环境科学实验教学示范中心 COE Laboratory Center for Education

海洋与环境学院实验教学中心(简称中心)于 2001 年成立, 2006 年获批福建省实验教学示范中心, 2009 年 12 月 获批国家海洋环境科学实验教学示范中心。中心承担学院海洋科学、海洋技术和环境学科与工程等相关专业的实验教学,并开设面向全校的海洋与环境科学素质教育实验课程,兼顾海洋科学创新性人才培养基地实践教学的运行与管理,并为研究生培养、教师科学研究和社会服务等提供支持。

中心实验室面积愈 4000 m², 仪器设备 1541 台/件。建有显微镜室、光照培养室、离心机室、海洋地质标本室、海洋生物标本室、仪器室等 10 个功能实验室和公共实验室;下设海洋科学基础实验室、环境工程实验室、海洋化学专门化实验室、海洋生物专门化实验室、海洋技术专门化实验室、环境科学专门化实验室以及海上教学实验室等 7 个实验室;拥有"海洋 2 号"教学实习船,能同时进行物理海洋学、海洋化学、海洋生物和海洋地质学的综合调查,既可满足学院本科生和研究生的海上教学实践需要,又能满足省内近海科研用船需求。

中心坚持"以能力培养为核心"的实验教学理念,融合环境和海洋两个学科,根据国家海洋与环境科学人才培养的需求,实行以"特色+精英"教育为主、兼顾复合型人才培养的模式,为研究型和创新性海洋与环境科学人才的培养提供重要的支撑。

Established in 2001, the COE Laboratory Center for Education was recognized as a Provincial Laboratory in 2006, and was further promoted to be a National Laboratory Center for Education in December 2009.



Main lab building



Group photo



Microscope lab (Photoes provided by Zhen Zhang)

新设奖学金 Scholarships and Fellowships

学院研究生奖、助学金体系 COE Fellowships and Assistantships for graduate students

我院从 2009 年起实行《厦门大学海洋与环境学院助学金实施办法》、《厦门大学海洋与环境学院奖学金实施办法》 (http://coe.xmu.edu.cn/NewsShow.aspx?id=31467),帮助我院研究生顺利完成研究生学业,全面提高我院研究生的培 养质量,激发研究生学习与参与科学研究的积极性。

新的奖、助学金体系不仅覆盖全部研究生三年学习所需的学费,还大幅提高了学生的生活费额度。博士研究生一等 奖学金受助的金额为 3.2 万元 / 每生每年 (其中学费 1.3 万元 , 生活费 1.9 万元) , 二等奖学金受助的金额为 2.8 万元 / 每生每年(其中学费 1.3 万元,生活费 1.5 万元)。硕士研究生一等奖学金受助的金额为 1.7 万元/每生每年(含学费 1.1 万元, 生活费 0.6 万元), 二等奖学金受助的金额为 1.5 万元/每生每年(含学费 1.1 万元, 生活费 0.4 万元)

Established in 2009, the COE Fellowships and Assistantships for graduate students provide extensive support for graduate students, covering both the tuition and support for living.

其它奖、助学(教)金 Other Scholarships and Fellowships

学院新近设立了四项院(系)级奖(助)学金——"天马奖学金"、"金桥"奖学助学金、和"宝特奖教金"。

New scholarships and fellowships include "Tian-Ma Scholarship", "Golden Bridge Scholarship and Assistantship", and "Powertech Scholarship".

天马奖学金 Tian-Ma Scholarship



2010 年 5 月,福建天马科技集团有限公司(http://www.jolma.cn/index.jspx) 出资 10 万元人民币设立厦门大学海洋与环境学院"天马奖学金",奖励对象为 海洋与环境学院全日制在校本科生和研究生。

天马奖学金设立签字仪式 (照片:黄德强)

金桥奖学助学基金 Golden Bridge Scholarship and Assistantship

2010年6月,厦门市金桥科教扶贫促进会出资20万元人民币在厦门大学环境科学与工程系设立"金桥"奖学助学基金。奖励对象为厦门大学环境科学与工程系全日制在校本科生。金桥基金设立三种基金,分别为奖学金、助学金和特别基金。



金桥奖学助学基金签字仪式 (照片:施薇)

宝特奖教金 Powertech Scholarship



宝特奖教金签字仪式 (照片:施薇)

为进一步加强企业与高等院校的合作和联系,鼓励厦门大学海洋与环境学院在校老师和学生进行应用性研究,走产学研相结合的研究思路,2010年6月,宝特科技有限公司(http://www.powertechcn.com/)出资10万元人民币在厦门大学海洋与环境学院设立"宝特奖教金"。奖励对象为参与"凌峰计划"的学院教师。

中国海洋科学卓越教育伙伴计划 COSEE-China

中国海洋科学卓越教育伙伴计划(Centers for Ocean Sciences Education Excellence of China,简称 COSEE-China)旨在推广海洋科学与文化教育,促进国际海洋科学与文化的交流与合作,提升海洋科学在国家发展战略中的地位,并通过科学家和教育工作者之间的紧密合作,向公众普及海洋科学知识,促进对海洋的认知,提高全民的海洋意识,进而推动海洋科学研究和教育的发展。

为了探讨建立 COSEE-China 的必要性和可行性,由美国马萨诸塞大学 Robert Chen 教授、王旭晨教授、厦门大学海洋与环境学院戴民汉教授、曹文清教授及中国海洋大学高会旺教授等人发起,两届 COSEE-China 筹建研讨会分别于 2010 年 3 月 8-9 日、8 月 14-15 日在北京与厦门成功举行。

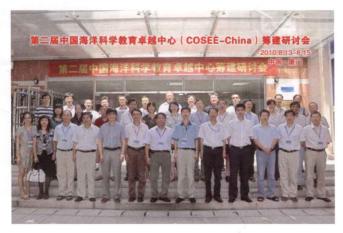
Two planning workshops aiming to the establishment of "Centers for Ocean Sciences Education Excellence of China" (COSEE-China) were convened by Profs. Robert Chen and Xuchen Wang from University of Massachusetts

(USA), Profs. Minhan Dai and Wenqing Cao from Xiamen University, and Prof. Huiwang Gao from Ocean University of China. The two workshops were held on March 8-9 and August 13-15 of 2010 in Beijing and in Xiamen, respectively.

COSEE-China will provide a platform for ocean science education and outreach, and international ocean science education cooperation. Through close collaboration between scientists and educators, COSEE-China will deliver the ocean science knowledge to public, enhance the public awareness on ocean conservation, and promote the development of ocean science research and education.



Group photo of the 1st COSEE-China Planning Workshop held in Beijing. (Photo by Yi Lin)



Group photo of the 2nd COSEE-China Planning Workshop held in Xiamen. (Photo by Vera Shi)

Annual Report



学院研究生积极参加大型科研项目,在实践中学习成长,体验科研的收获与乐趣。
COE Students have a variety of opportunities to be trained in large-scale research projects.



2008 级海洋化学博士生林华(右)获"973"项目 CHOICE-C中期总结会(2010年8月,昆明)墙报展示一等奖。

(照片:许艳苹)



我院三名学生参加了2010年7月1日启航的第四次北极科学考察,图为童金炉(中)在开征欢送仪式上。

(照片提供:何文涛)



第 26 次南极科学考察于 2009 年 10 月 10 日开征 我院学生何文涛 (左)及胡王江 (右)参加了此次基地考察。

(照片提供:何文涛)



2010 级联合培养博士生林新油(左)接受导师的指导,他参加了863项目"海面风场-浪场-温盐流场数值预报系统"的研究。
(照片提供:江毓武)

国际化特色教学 Internationalized Education Programs

海洋事务国际硕士项目 Master of Marine Affairs (MMA)

MMA 自 2007 年开始招生,是中国第一个海洋事务国际硕士项目,与美国罗德岛大学、华盛顿大学、特拉华大学等高校密切合作开设。MMA 以文理交叉为特色,课程涵盖海洋学、环境科学、管理科学、经济学、政治学、法学等领域。2009-2010 年招收两届共 23 名学生,其中,国际学生 8 名。

The MMA program at XMU was approved by the MOE in 2006. This two-year interdisciplinary thesis program is run in close collaboration with the University of Rhode Island, the University of Delaware, and Washington University.



2010 MMA students. (Photo by Peng Zeng)