

Dr. Muhammad Shoaib Kiani

Address: Institute of Marine Science, University of Karachi-75270, Karachi (Pakistan) **Contact:** +92(0)21-99261397-2378 & +92(0)333-481 9937 **E-mail:** shoaib.cemb@gmail.com & mshoaibkiani.ims@uok.edu.pk

Education

2006-2014 Ph.D. University of Karachi, Karachi, Pakistan
2002-2004 M.Sc. University of the Punjab, Lahore, Pakistan
2000-2002 B.Sc. (Passed with distinction) University of the Punjab, Lahore, Pakistan

Employment and Relevant Work Experience

Jan. 2013-present Assistant Professor, Institute of Marine Science, Uni. Of Karachi
Mar. 2014-present Technical Expert for Whale Shark Project, Coastal Society, Gwader (Pakistan)
Sep. 2012-Jan. 2013 Co-Principal Investigator, WWF-Pakistan, Karachi Office
Feb. 2012-May 2012 Marine Mammal Consultant, Sonmiani Development Organization, Miani Hor (Pakistan)
Dec. 2011-May 2012 Marine Mammal Consultant, WWF-Pakistan/The Ministry of Environment's Pakistan Wetlands Programme
Sep. 2005-Aug. 2008 Research Officer in project Conservation of Pakistan's Marine Cetacean Biodiversity and Pelagic Environment funded by DEFRA, UK and Higher Education Commission, Pakistan based at the Centre of Excellence in Marine Biology, Uni. Of Karachi
Nov. 2009-Oct. 2011 Project Manager for Humpback Dolphin Project, WWF-Pakistan's Indus for All Programme (IFAP)
Oct. 2009-Mar. 2010 Marine Mammal Consultant, The Ministry of Environment's Pakistan Wetlands Programme

Professional Skills

Research and Relevant Skills

- Boat, beach and fisher interview surveys for marine mammal research (planning and execution), marine mammal biopsy, satellite tagging and acoustic (directional) surveys, marine navigation, boat operation (basic), phytoplankton and zooplankton sampling, shore based cetacean surveys, experienced in conceptualization and designing of awareness raising material for marine conservation.
- Interaction with print and electronic media: BBC Wild Arabia Series 2012, national TV channels like GEO, AAJ, PTV, SAMAA and national newspapers e.g. The Daily Dawn, Express Tribune, The Daily Jang and environmental magazines e.g. Ferozan, The Environmental News.
- Liaison with relevant government and international organization working for marine conservation e.g. National Council for Conservation of Wildlife (NCCW), Sindh Wildlife Department, WWF Pakistan, IUCN Pakistan, CITES, CMS, Indian Ocean-South-East Asian Marine Turtle Memorandum of Understanding (IOSEA) and The Commonwealth Scientific and Industrial Research Organization (CSIRO).

Data analysis and computer skills

Regularly use the statistical package Statistica, SPSS, Microsoft Excel Data Analysis Tool and Minitab for data manipulation and statistical analysis. Proficient in MS Office, Word, Excel, Power Point, EndNote, GPS software and Arc GIS (basic).

Technical/Field Competence

Aug. 2012 Medical Certificate of Fitness for Offshore Work (Issued in Accordance with Oil and Gas UK Guidelines) from UniCare Medical Centre, Dubai, United Arab Emirates (UAE) and valid till Aug. 2016.
Sep. 2011 Certificate of Achievement from Emirates International Maritime Academy (EIMA), Dubai United Arab Emirates (UAE) for having successfully completed an *OPITO* approved course: Basic Offshore Safety Induction Emergency Training including EBS-5700 (Incl. of Safety Induction, Sea Survival, HUET with EBS. Basic Fire Fighting & Self Rescue, Emergency First Aid & Hypothermia), valid till 2016.

Mar. 2010 Certificate of Achievement from Gulf Technical and Safety Training Centre (L.L.C.), Abu Dhabi, United Arab Emirates (UAE) for successful completion of two day course in HUET/Sea Survival.

Teaching Experience and invited lectures

Currently teaching various graduate and postgraduate level courses relevant to marine science at the Institute of Marine Science, UoK for example: **Introduction to Marine Science, Marine Ecology and Ecosystems, Biostatistics, Marine Biodiversity, Advances in Marine Biology, Advanced Marine Ecology and Coastal Zone Management**

Delivered lectures on the “**marine mammal science**” a postgraduate level course at Centre of Excellence in Marine Biology, the University of Karachi, Pakistan and organized one day field trip for demonstration of beach survey for cetacean beach cast remains and live cetacean stranding response along with experts from University Marine Biological Station Millport, Scotland (UK), November 2005 and 2006.

Kiani, M.S. 2013. Cetacean Evolution, Diversity, Taxonomy, Ecotourism and Need for Their Conservation. WWF-Pakistan's Green School Program, Jun. 2013.

Kiani, M.S. 2013. Marine and Coastal Laws of Pakistan: Tool for Marine Ecosystem Conservation. One day seminar organized by the Nature Conservation Club of the Institute of Environmental Studies, University of Karachi, Sep. 2013.

Kiani, M.S. 2009. Marine Mammal Survey Techniques and Navigation during Boat Surveys. Centre of Excellence in Marine Biology, University of Karachi, Jan. 2009.

International Exposure

| Month/Yr. | Country | Purpose |
|-----------|------------|---|
| Sep. 2012 | Oman | Participated in the Arabian Sea humpback whale (<i>Megaptera novaeangliae</i>) satellite tagging, acoustic and biopsy surveys of Environment Society of Oman's Renaissance Whale and Dolphin Project |
| Mar. 2012 | Oman | Participated in the Arabian Sea humpback whale (<i>Megaptera novaeangliae</i>) research surveys of Environment Society of Oman's Renaissance Whale and Dolphin Project. |
| Mar. 2011 | Oman | Served as Marine Mammal Observer (MMO) in Block 41 offshore Gulf of Oman onboard seismic survey vessel BGP CHALLENGER. |
| Mar. 2010 | Oman | Served as Marine Mammal Observer (MMO) during Block 59 offshore Arabian Sea coast of Oman oil exploration seismic surveys onboard seismic vessel BOS ATLANTIC. |
| Jul. 2009 | Maldives | Attended Indian Ocean Marine Mammal Symposium & won the best presentation award |
| Mar. 2009 | Bangladesh | Preliminary survey for cetaceans in Sunder ban waterways of Bangladesh by the Centre of Excellence in Marine Biology, University of Karachi and Chittagong University. Delivered lectures on cetacean evolution, taxonomy, diversity, conservation and ecotourism during a marine mammal workshop at Marine Academy Chittagong. |

Dr. Muhammad Shoaib Kiani_Curriculum Vitae

| | | |
|-----------|---------------|---|
| Oct. 2008 | Scotland (UK) | Visited University of (London) Marine Biological Station Millport (Scotland) UK for literature search and for participation in cetacean surveys |
| Nov. 2007 | Oman | Participated in field surveys for marine cetaceans of Oman organized by Oman Whale and Dolphin Research Group (OWDRG) |
| Jul. 2006 | Scotland (UK) | Attended Marine Mammal Course at University of (London) Marine Biological Station Millport (UMBS), Scotland, UK |

Peer-reviewed Publications

- Kiani, M.S.**, Iqbal, P., Siddiqui, P.J.A and Moazzam, M. 2013. First records of the striped dolphin (*Stenella coeruleoalba*) and rough-toothed dolphin (*Steno bredanensis*) in Pakistani waters: a review of occurrence and conservation status in the Indian Ocean. *Pakistan J. Zool.*, vol. 45(4), pp. 1113-1123.
- Gore, M. A., **Kiani, M.S.**, Ahmad, E., Hussain, B., Ormond, R. F., Siddiqui, J., Waqas, U. and Culloch, R. 2012. Occurrence of whales and dolphins in Pakistan with reference to fishers' knowledge and impacts. *J. Cetacean Res. Manage.* 12(2): 235–247.
- Kiani, M.S.**, Pervaiz, I. and P. J. A. Siddiqui. 2011. First confirmation of occurrence of the pan-tropical spotted dolphin, *Stenella attenuata*, in Pakistani waters through a mass stranding event. *Marine Biodiversity Records*, page 1 of 3. Marine Biological Association of the United Kingdom. doi:10.1017/S1755267211000601; Vol. 4; e60; 2011 Published online.
- Kiani, M.S.** and P.J.A. Siddiqui. 2009. Marine cetaceans and transboundary issues: need for regional co-operation. Proc. "Transboundary Coastal and Marine Protected Areas with Special Priorities for Spawning Grounds". Zool. Surv. Dept., Pak. Pp. 35-41.
- Gore, M., Ahmad, E., Ali, Q.M., Culloch, R.M., Hameed, S., Hasnain, S.A., Hussain, B., **Kiani, S.**, Shaik, N., Siddiqui, P.J., Ormond, R.F. 2007a. Sperm whale, *Physeter macrocephalus*, stranding on the Pakistani coast. *J. Mar. Biol. Ass. U.K.* 87:363-364.
- Rowat, D., Gore, M.A., Baloch, B.B., Islam, Z., Ahmad, E., Ali, Q.M., Culloch, R., Hameed, S., Hasnain, S.A., Hussain, B., **Kiani, S.**, Siddiqui, J & Ormond, R.F. 2007b. New record of neonatal whale shark (*Rhincodon typus*) from the northern Indian ocean. *Env. Biol. Fishes*. Online first at doi: 10. 1007/s10641-007-9280-z.
- Gore, M.A., Ahmed, E. Ali, Q.M., Culloch, R.M., Hasnain, S.A, Hussain, B., Iqbal, P., **Kiani, S.**, Macleod, C.D., Parsons, E.C.M, Siddiqui, P.J., Ormond, R.F., Waqas, U. 2007c. Cuvier's beaked whale, *Ziphius cavirostris*, remains recovered on the Pakistani coast. *J. Mar. Biol. Ass. U.K.* JMBA2 Biodiversity records online, 5920, Pdf.
- Gore, M.A., Culloch, R.M., Gray, H., Hoelzel, R., Lockyer, C., **Kiani, M.S.**, Waqas, U., Hussain, B., Rahim, A., Shah, A & Ormond, R.F.G. (in press). Assessment of beach-cast cetaceans in Pakistan: Implications for Conservation and Management. *J. Cetacean Res. Manage.*
- Siddiqui, P. J. A., **Kiani, M.S.** and Iqbal, P. (in press). Marine cetaceans of Pakistan and conservation issues.
- Kiani, M.S.** and Van Waerebeek, K. (in press). A review of the status of the Indian Ocean humpback dolphin (*Sousa plumbea*) in Pakistan.
- Kiani, M.S.**, Rahim, A., Sameen, J. and Gabol, K. (in press). A synthesis of historical and new information on whale shark (*Rhincodon typus*) from Pakistan.

Conference talks

- Kiani, M.S.** 2007. Prospects of Whale and Dolphin Watching Ecotourism in Pakistan. Seminar on Biodiversity: a Key to Human Livelihood organized by the Centre of Excellence Marine Biology Karachi University, November 2007.
- Kiani, M.S.** 2009. Recent Developments in Marine Mammal Research in Pakistan and Findings of a Joint Preliminary Cetacean Survey in Bangladesh. DeIPHE dissemination seminar at University of Karachi, March 2009.
- Kiani, M.S.** 2009. Cetacean Research and Transboundary Issues: Need for Regional Co-operation. Seminar on transboundary marine issues by the Zoological Survey Department of Pakistan and SAARC Coastal Zone Management Centre Male, Maldives at Karachi, May 2009.
- Kiani, M.S.** 2013. An Assessment of Cetacean Strandings along Pakistan Coastline. One day workshop for formulation of strategy for cetacean conservation in Pakistan at the National Centre for Maritime Policy and Research, Bahria University, Karachi, May 2013.
- Kiani, M.S.** 2013. Interactions of Whale Sharks with Fishing Operations in Pakistan. One day seminar by Institute of Marine Science UoK and WWF-Pakistan at University of Karachi Aug. 2013.
- Kiani, M.S.** 2014. Biology, Conservation and Interactions of Whale Sharks (*Rhincodon typus*) with Fishing Operations in Pakistan. Fisher workshop at Gwader organized by the Coastal Scientific Society (CSS) and Mangrove for All Programme of IUCN, Jun. 2014.

Conferences, seminars, workshops and training courses attended/organised

Attended a one day **Seminar and Hands-on training on EndNote: The Citation Management Software organized** by the Karachi University Teachers Society (KUTS) at Karachi University, 26 Feb. 2015.

Supervised two **fisher/coastal community workshops** in Gwader and Sur Bunder (Balochistan) and presented a talk on Whale Shark Biology, Conservation Issues and Its Interactions with Fishing Operations in Pakistan, Jun. & Dec. 2014.

Trained (08) enumerators of Coastal Scientific Society (CSS) Gwader for taking data from dead whale sharks on beaches and from landed specimen at fishing landing sites along Balochistan coast for Assessment of Whale Shark (*Rhincodon typus*) Population along the Balochistan Coast, Jun. 2014.

Assisted in organization and participated in **World Turtle Day Celebration** at the Institute of Marine Science, University of Karachi. This event was organised jointly by Institute of Marine Science, University of Karachi and WWF-Pakistan, May 2014.

Attended a one day **National Maritime Seminar** organized by the National Centre for Maritime Policy and Research (NCMPR), Bahria University Karachi, Mar. 2014.

Attended a one day seminar on **How to Use Turnitin Anti-Plagiarism Software** organized by the Karachi University Teachers Society at Karachi University, Feb. 2014.

Attended a three day **International Workshop on Marine Biology- Ecology and Applications, Advancement and Issues of the 21st Century** organized by COMSTECH OIC Standing Committee on Scientific and Technological Cooperation, Jun. 2012.

Attended a one day seminar on **Marine and Coastal Wealth of Pakistan** organized by IUCN in collaboration with HEJ Institute of Chemistry and Biological Sciences and Karachi University on the occasion of World Biodiversity Day at HEJ International Centre for Chemical and Biological Centre, Karachi University, May, 2012.

Dr. Muhammad Shoaib Kiani_Curriculum Vitae

Attended two day **Regional Shark ID Course** organized by Pakistan Wetlands Programme in collaboration with WWF Pakistan at National Institute of Oceanography (NIO), Apr. 2012.

Seminar on **Biodiversity a Key to Human Livelihood** at the Centre of Excellence in Marine Biology Karachi University, Karachi, Nov. 2007.

Attended a one day **Training Course on Marine Navigation** organized jointly by the Marine Fisheries Department of Pakistan and Cetacean Conservation Pakistan Project at the Karachi Fish Harbor, West Wharf, Karachi, Dec. 2006.

Attended **National Conference on Fisheries** at Government College University, Lahore, 2005.

Popular articles and news

A two page write up on the Indo-Pacific humpback dolphin (*Sousa chinensis*) for WWF-Pakistan, Apr. 2014.

A video clip of a large (>4000 animals approx.) pod of spinner dolphins recorded by (M. Shoaib Kiani) 5-10km off Gwader, Balochistan coast of Pakistan aired on GEO TV, Dec. 2012.

News on the Endangered Arabian Sea humpback whale spotted along Pakistan coast, The Daily Dawn, 6th Oct. 201).

News on launch of WWF-Pakistan Indus for All Programme Cetacean Project, The Daily Dawn, 28th Jan. 2010.

News on a reporting of a dead Risso's dolphin (*Grampus griseus*) along the Balochistan Coast of Pakistan, The Daily Dawn, 28th Jan. 2010.

Dolphins and Finless Porpoise in the Indus Delta Creek System: Conservation Issues, Possible Remedies and Scope of Dolphin Watching Ecotourism, The Environment Magazine.

Cetacean Conservation in Pakistan: Challenges and Solutions, Urdu Magazine: Farozan.

Distinctions/Scholarships and Awards

- 1) Cleared GAT-Subject (Zoology) by National Testing Service (NTS) with an accumulative percentile of 86.9, May 2014.
- 2) Secured Higher Education Commission' (HEC) Indigenous PhD Fellowship under Batch III of 5000 Indigenous Fellowship Scheme worth Pak. Rs. 1.5 million approx. by qualifying GRE General Test, 2006.
- 3) Government of the Punjab, Chief Minister's Merit Scholarship worth Rs. 25,000/- during M.Sc. (Zoology) in the University of the Punjab, Lahore, 2004.

Positions held

- 1) Member Local Organizing Committee of 35th Pakistan Congress of Zoology organized by the Centre of Excellence in Marine Biology at Sheikh Zaid Islamic Centre, University of Karachi from 1-4th March 2015.
- 2) Member Departmental Research Committee (DRC) of Institute of Marine Science, Uni. Of Karachi since December 2014.
- 3) Prepared a Self-Assessment Report (SAR) of the Institute of Marine Science for the Quality Enhancement Cell (QEC), University of Karachi, May, 2014.

Dr. Muhammad Shoaib Kiani_Curriculum Vitae

- 4) Member Board of Studies of Institute of Marine Science (IMS), University of Karachi from Jan. 2013 to December 2014.
- 5) Member IUCN/SSC Cetacean Specialist Group (CSG), 2014.
- 6) Member Scientific Committee of Pakistan Whale and Dolphin Society since 2007.

References

-Professor Pirzada Jamal Siddiqui (PhD). Director, Centre of Excellence in Marine Biology Karachi University-75270, Karachi Pakistan.

Phone: +92(0)300 258 1121

Email: jamal.siddiqui@yahoo.com

-Mauvis Gore (PhD). Marine Conservation International (MCI). 5 Lang Rigg, Flat 6 South Queensferry EH30 9WN and Heriot-Watt University. UK.

Phone +44(0)131-3191042; +92(0)345 916 7587

skype: mgoremci

Email: mauvis.gore.mci@gmail.com

-Rupert Ormond, (PhD). Chief Scientist Marine Conservation International (MCI), 5 Lang Rigg, Flat 6 South Queensferry EH30 9WN.

Phone: +44(0)131-3191042

Email: rupert@saveourseas.com