

CURRICULUM VITAE

Name: XiaoRong Tang

Sex: Female

Date of birth: Dec. 4, 1967

Education

1986-1990: B.Sc. Degree of plant physiology, Department of biology, Nankai University.

Thesis: Isolation, purification and identification of light harvesting pigment-protein complex from Horsebean.

1990-1994: M.S. Degree of marine biology, Experimental Marine Biology Laboratory, Institute of Oceanology, Chinese Academy of Sciences.

Thesis: Relationship between light, temperature and conchocelis development of *Porphyra haitanensis*.

1994-1997: Ph.D. Degree of marine biology, Experimental Marine Biology Laboratory, Institute of Oceanology, Chinese Academy of Sciences.

Thesis: Developmental study on leafy *Porphyra*.

Field of specialization:

Developmental biology of algae, Algal reproductive biology, Algal biotechnology, Algal culture and cultivation

Work experience:

1997-1998: Institute of Oceanology, Chinese Academy of Sciences, Assistant professor.

1998-1999: Ocean University of Qingdao, Lecturer.

1999-: Ocean University of Qingdao, Associate professor

Dec. 2001-Sep. 2002: Visiting faculty in University of Connecticut (Stamford), USA.

Awards:

“Seedling engineering in *Porphyra*”, 1st Award for Advance in Science and Technology, By Chinese Academy of Sciences, 2000

“Seedling engineering in *Porphyra*”, 1st Award for Originative Achievement, By State Ocean Administration, 2000

“Seedling engineering in *Porphyra*”, 2nd Award for Advance in Science and Technology, By P. R. China, 2002

Grant:

Study on the diversity of life history of *Porphyra katadai* var. *hemiphylla*. A fellowship granted by the National Science Foundation of China (NSFC). 1999-2001

“Mechanism of sex development of *Porphyra katadai hemiphylla*” granted by Ocean University of Qingdao, 1998-1999

“Key technique of direct seedling collection from *Porphyra conchocelis*”, open project from Chinese Academy of Sciences. 2001-2002

“Study on the developmental mechanism of sex diversity in *Porphyra*”, granted by National Science Foundation of China (NSFC). 2003-2005
“Selection and breeding technique of high quality seedstock of *Porphyra haitanensis*” granted by Administration of Science and Technology. 2002-2005

Professional society membership

Membership of phycological society of China,
Membership of oceanology and limnology society of China
Membership of North Eastern algal association of America

Teaching:

Hydrobiology: For 3rd grade university students.
General biology: For 1st grade university students.

Training:

Molecular biology: 80 hours training in San Francisco State University in USA in Jun. 2000.

Publications:

1. Fei X.G., Yu Y.D. and **Tang X.R.** Developmental Control of *Porphyra* Conchocelis. Annual Research Report of EMBL, 1994, 2:74-78.
2. **Tang X. R.**, Fei X. G.. Relationship between light, temperature and growth, development of conchocelis of *Porphyra haitanensis*. Oceanol. Liminol. , 1997, 28(5): 475-482. (In Chinese with English Abstracts)
3. **Tang X. R.**, Fei X. G.. Effects of temperature and light on the growth and monospore release of *Porphyra yezoensis* . J. Fish. Chin, 1998, 22(4): 378-381. (In Chinese with English Abstracts)
4. **Tang X. R.**, Fei X. G. Development of suspended conchocelis of *Porphyra haitanensis*. Chin. J. of Oceanol. and Limnol., 16(4): 339-345, 1998.
5. **Tang X. R.**, Fei X. G. Growth of non-basal rhizoids in conchosporelings of *porphyra yezoensis*. J. Ocean Univ. Qingdao, 28 (4): 582-586, 1998. (In Chinese with English Abstracts)
6. **Tang X. R.**, Fei X. G. Effects of light and temperature on the growth and development of *Porphyra* conchocelis. Mar. Sci., 1998, 4: 44-46. (In Chinese with English Abstracts)
7. **Tang X. R.**, Fei X. G. Artificial cultures from conchocelis to conchosporelings of *Porphyra katadai* var. *hemiphylla*. Ocean. Limn. Sinica, 1999, 30(2): 180-185. (In Chinese with English Abstracts)
8. **Tang X. R.**, Fei X. G.. Cell and Tissue culture of Leafy *Porphyra*. In *New Progress in marine Biotechnology*, edited by FAN X. Et al. Chapter 26, 1999. (In Chinese with English Abstracts)
9. **Tang X. R.**, Fei X. G.. Progress in the study of leafy *Porphyra* development. J. Ocean Univ. Qingdao, 2000, 30(2): 183-190. (In Chinese with English Abstracts)
10. Stubbs JD; **Tang XR**; Fan TJ; DeBella S, 2000. A China/United States partnership for secondary school biology lesson plans introducing concepts of molecular biology and genomics linked with ecosystem studies. MOLECULAR BIOLOGY OF THE CELL, Vol 11, pp 118.

11. Dinabandhu Sahoo, **Xiaorong Tang**, Charles Yarish, 2002. *Porphyra*-the economic seaweed as a new experimental system. *Current Science*, 83(11): 1313-1316.
12. **Tang X R**, Jiang M., Duan DL, Fei XG, 2003. Primary study on the apoptosis of *Porphyra conchocelis* cells. *Journal of Ocean University of Qingdao*, 33(5): 712-718. (In Chinese with English abstract)
13. Jiang HX., **Tang XR**, 2003. Progress in Breeding of Red Algae. *Marine Sciences*, 27(6): 25-30. (In Chinese with English abstract)
14. C. Yarish, C.D.Neefus, G. Kraemer, R. Carmona, P. He, **Tang, R.** Pereira, T. Chopin, G.C. Nardi and J.J. Curtis. "The bioremediation potential of *Porphyra* spp. in an integrated aquaculture system with finfish: implications for coastal zone management for coastal New England" In U.S. National Oceanic and Atmospheric Administration. Coastal Services Center. 2003. Coastal 03. Proceedings of the 13th Biennial Coastal Zone Conference, Baltimore, MD, Jul 13-17, 2003. NOAA/CSC/20322-CD. CD-ROM. Charleston, SC: NOAA Coastal Services Center.
15. Kraemer, G. P., R. Carmona, C. Neefus, T. Chopin, S. Miller, **X. Tang** and C. Yarish. 2004. Preliminary examination of the bioremediation and mariculture potential of a Northeast U.S.A. and an Asian species of *Porphyra*. *Bull. Fish. Res. Agen. Supplement No. 1*: 77-82.
16. Zhang XC, Zheng LH, Liu SW, **Tang XR**, Wang JF, 2004. A new economic seaweed—*Cladosiphon okamurea*. *Journal of Ocean University of China*, 34(5): 807-810. (In Chinese with English abstract)
17. **Tang X.**, Jiang H., Fei X., Yarish C., 2004. New life cycles of *Porphyra katadae* var. *hemiphylla* in culture. *J. Applied Phycol.*, 16 (6) : 505-511. (2004.12)
18. Kraemer, G. P., Carmona R., Chopin T., Neefus C. **Tang X. R.** and Yarish C., 2004. Evaluation of the bioremediatory potential of several species of the red alga *Porphyra* using short-term measurements of nitrogen uptake as a rapid bioassay. *J. Applied Phycol.*, 16(6): 489-497. (2004.12)
19. **Tang XR**, Jiang HX, 2005. Diversities of life history and reproductive modes in the Genus *Porphyra*. *Periodical of Ocean University of China*, 35 (4) : 571~574. (2005.7) (In Chinese with English abstract)