

## **Scott Smiley**

Associate Professor Seafood Science & Technology

Room 222 Alfred Owen Building

Phone: (907) 486-1513

Email: [smiley@sfos.uaf.edu](mailto:smiley@sfos.uaf.edu)

## **Education**

BA Zoology, UC Berkeley, 1979

MSc Zoology, Univ. Washington, 1984

PhD Zoology, Univ. Washington, 1986

PostDoc Biochemistry, Dept. Biochem. & Biophysics, UC San Francisco, 1986

PostDoc Molecular Biology, Dept. Biochem. & Biophysics, UC San Francisco, 1988

## **Research Interests**

Aquacultural Feed Ingredients from Seafood Processing Byproducts

Alternative Salmon Products

Sea Cucumber Biology and Taxonomy

Applications for Digital Images

Marine Aquaculture

Sustainable Fish Harvesting

## **Teaching**

FISH 261 Introduction to Fisheries Utilization

FSN 672 Laboratory Methods in Food Science and Nutrition (Biochemistry)

FSN 662 Seafood Composition and Analysis (Biochemistry)

## **Recent Publications**

Smiley, S. & Bechtel, P.J. 2008. Fisheries, Chapter 11, In: Land and Environment of the Circumpolar North. 2<sup>nd</sup> Ed. (Duffy, L., ed.). Univ. of Alaska Press. (in press)

Oliveira, ACM., Stone, D.A.J., Plante, S., Smiley, S., Bechtel, P.J., & Hardy, R.W. 2008. Fish oils from Alaskan seafood processing byproducts: An unexploited sustainable resource for Aquaculture. *World Aquaculture*. 39(2): 50-51 & 69.

Plante, S., Smiley, S., Oliveira, ACM., Stone, D.A.J., Hardy, R.W., & Bechtel, P.J., 2008. Chemical characterization of testes meals made from Alaska's seafood processing byproducts. *Journal Aquatic Food Product Technology*. 17(2): 195-211.

Kong, F., Tang, J., Rasco, B., Crapo, C., & Smiley, S., 2007. Quality changes of pink salmon (*Oncorhynchus gorbuscha*) muscle during thermal processing. *Journal Food Science* 72(2): 103-111

Plante, S., Oliveira, ACM., Smiley, S., & Bechtel, P.J., 2006. Production and Characterization of a Sockeye Salmon (*Oncorhynchus nerka*) liver meal and dried powders from stickwaters. pps. 413-418. In: Seafood Research from Fish to Dish. (Luten, J.B., Jacobsen, C., Bekaert, K., Sæbø, A., & Oehlenschläger, J., eds.). Wageningen Academic, Netherlands, 567 pps.

Smiley, S., Babbitt, J., Divakaran, S., Forster, I., & Oliveira, ACM., 2003. Analysis of groundfish meals made in Alaska. pp. 431-454. In: Advances in Seafood Byproducts.: 2002 Conference Proceedings. (ed: Bechtel, P.J.). Alaska Sea Grant UAF.

## **Web Publications *Systema Aspidochirotidae***

2007 Bibliography of Holothurian Taxonomy, Systematics and Paleontology (175 pages).

- 2007 <http://www.guammarinelab.com/peetcukes/systematicslit.html>  
Bibliography of Holothurian Biology other than Taxonomy, Systematics &  
Paleontology (220 pages)
- 2007 <http://www.guammarinelab.com/peetcukes/biologylit.html>  
Diagnoses of Supraspecific Taxa, an unpublished annotated catalog of holothurian  
taxonomy that circulates amongst holothurian taxonomists.  
<http://www.guammarinelab.com/peetcukes/taxondescriptions.html>

### **Recent Presentations**

- Analysis of Hydrolysate Meals made from Alaskan Processing Byproducts. EAS Annual Meeting, Krakow, Poland, Sept., 2008.
- Global Climate Change and Commercial Fisheries in Alaska. AAAS - Arctic Division, Annual Meeting, Anchorage AK. Sept., 2007
- Chemical and Nutritional Characteristics of Novel Fish Meals made from the Waste Stream of Alaska Seafood Processing. WAS, Annual Meeting, Florence Italy, May, 2006.
- Development of Two Web Based Sea Cucumber Bibliographies for Systema Aspidochirotidae: Taxonomy Systematics & Paleontology Bibliography and Holothurian Biology Bibliography. Institut royal des Sciences naturelles de Belgique. April, 2007.
- Development of the Annotated Catalog of Holothurian Taxonomy. Systema Aspidochirotidae Research Planning Meeting. Brussels, Belgium, Dec., 2006.
- Lipids and Contaminants in Fish Oils from Alaska Seafood Processing Byproducts. PFT, Annual Meeting, Anchorage AK. Mar., 2006.
- Investigation of *Ichthyophonus* in Alaskan Whitefish. AAAS Arctic Division, Annual Meeting, Kodiak, AK. Sept., 2005.
- Production and Characterization of Sockeye Salmon (*Oncorhynchus nerka*) Liver Meal and Dried Powders made from Stickwater. WEFTA, Annual Meeting. Antwerp, Belgium. Sept., 2005.
- Ocean Ranching: Update on Alaska's Salmon Aquaculture. WAS, Annual Meeting, Honolulu, HI. Mar., 2004.

### **Affiliations**

AAAS  
Pacific Fisheries Technologists  
World Aquaculture Society  
Institute of Food Technologists

### **Interests**

Digital Imaging  
Fishing  
Cooking