

CURRICULUM VITAE

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ADDRESS & TELEPHONE

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EDUCATION

M.S., Mariculture, Texas A&M University – Corpus Christi, Texas, 1995
B.S., Biology, Baylor University - Waco, Texas, 1991

PROFESSIONAL EXPERIENCE

**2019-Present Fisheries Technician III, Texas A&M University – Corpus Christi
Harte Research Institute's Center for Sportfish Science and Conservation, Corpus
Christi, Texas**

My current position includes assisting maintaining a marine fish research laboratory, both inshore and offshore field work, boat and dive ops, and working with staff members on various projects to achieve the CSSC research goals. Additionally, angler engagement/outreach activities, conducting independent projects, and developing proposals with other staff are key functions of this position.

**1999-2019 Facilities Manager/Research Scientist Associate III, University of Texas
Fisheries and Mariculture Lab, Port Aransas, Texas**

This position encompassed all aspects of maintaining the recirculating tank systems and broodstock fish at the UT mariculture facility in Port Aransas, Texas. This required diligent monitoring of the saltwater systems, fish sourcing, sex determination, spawning, live feed production, larval/juvenile rearing, water quality, identification of problems, and implementing solutions. Species we conducted research on included red drum, southern flounder, cobia, common snook, red snapper, yellowtail snapper, gray snapper, pigfish, and Atlantic croaker. In addition, day to day management of lab personnel, developing and overseeing various facility improvement projects, writing for journals and magazines, fundraising efforts, and outreach/education were all required for this position.

1997-1999 Aquaculture Biologist, Seafish Mariculture, L.L.C.

Seafish was a joint venture project with Shell Oil researching the potential of using offshore platforms as a base of operations for open ocean cage culture of species native to the Gulf of Mexico. Biologists lived on the platform working a week on week off schedule. Responsibilities included co-management of the cage project and overall maintenance at the site thirty-four miles offshore of Matagorda, Texas. Problem solving and innovation were required to address numerous challenging situations faced in the offshore environment. Extensive experience living on an operating gas platform were gained

including coordinating helicopter transport to the site, crane operation, and general rules and regulations in offshore federal waters of the Gulf of Mexico.

1994-1997 Aquaculture Biologist, MNE Incorporated

MNE was a wholly owned subsidiary of Occidental Petroleum Company conducting research on offshore cage culture systems for seafood production. The project cage was attached to an unmanned four-pile platform seven miles off Mustang Island, Texas and was monitored during weekly visits utilizing a company boat and inspections using scuba gear. The pioneering research resulted in the production, harvest, and sale of fish produced in a cage located at a totally exposed location. This was a first for the US offshore aquaculture industry and successful results helped to stimulate interest in growing species at various sites. It represents a unique achievement in the aquaculture field which, to date, has yet to be repeated in the Gulf of Mexico.

1991 Seasonal Technician, Texas Parks and Wildlife Coastal Fisheries

Worked for seven months prior to graduate school at TPWD's Dow Chemical redfish production ponds in Lake Jackson, Texas. We prepared ponds, stocked, monitored, harvested, and transported red drum fingerlings throughout the state in support of the hatchery stocking program.

ADDITIONAL QUALIFICATIONS

conversational Spanish

First Aid/CPR and DAN/DFA Pro Diver course certified; Nitrox certified

SCUBA certified since 1984 with 200+ offshore dives logged in various conditions of sea state while working on cage systems in the Gulf of Mexico

extensive experience spent offshore in the Gulf of Mexico (600+ days) working with both fish and cage systems, utilizing boats, and operating the platform crane to load and offload equipment such as fuel, water and other supplies from a crew boat

25+ years of catching, studying the biology/behavior, and identification of both inshore and offshore marine fish species along the central Texas coast

extensive experience working on and operating both inshore and offshore boats from 14-36 ft, including vessels with gas/diesel, inboard, outboard, and jet drive propulsion

PROFESSIONAL SOCIETIES

World Aquaculture Society

Texas Aquaculture Association (Board member since 2012)

PUBLICATIONS

Arnold, C.R., J.B. Kaiser and G.J. Holt. 2002. Spawning of cobia (*Rachycentron canadum*) in captivity. *Journal of World Aquaculture Society* 33(2):205-208.

Kaiser, J.B. and Hitzfelder, G. 2003. "US lab provides basis for further cobia study" *Aquaculture Advocate*, June 2003. Volume 6, Issue 3. pp. 76-77.

Kaiser, J.B. 2003. Offshore Aquaculture in Texas: Past, Present, and Future. in C.J. Bridger and B.A. Costa-Pierce, editors. *Open Ocean Aquaculture : From Research to Commercial Reality*. The World Aquaculture Society, Baton Rouge, Louisiana, United States.

Kaiser, J.B. and Holt, G.J. 2004. Cobia: A new species for aquaculture in the US. *World Aquaculture*. Vol. 35, no. 2. p.12-14.

Kaiser, J.B. and G.J. Holt. 2005. Species Profile Cobia. Southern Regional Aquaculture Center Publication No. 7202. 6 pp.

Kaiser, J.B. and G.J. Holt. 2005. Cobia Aquaculture. *In: Aquaculture in the 21st Century*. A. M. Kelly and J.Silverstein, (eds). American Fisheries Society Symposium 46:465-469.

Holt, G.J., J.B. Kaiser and C.K. Faulk. 2007. Advances in cobia *Rachycentron canadum* research in Texas. In: I C. Liao and E.M. Leño (eds), pp. 45-56. *Cobia Aquaculture: Research, Development and Commercial Production*. Asian Fisheries Society, Manila, Philippines, World Aquaculture Society, Louisiana, USA, The Fisheries Society of Taiwan, Keelung Taiwan, and National Taiwan Ocean University, Keelung, Taiwan.

Faulk, C.K., J.B. Kaiser and G.J. Holt. 2007. Growth and survival of larval and juvenile cobia *Rachycentron canadum* in a recirculating raceway system. *Aquaculture*. Vol. 270:149-157.

FAO, 2009. *Rachycentron canadum*. In Cultured aquatic species fact sheets. Text by Kaiser, J.B. & Holt, G.J. Edited and compiled by Valerio Crespi and Michael New. http://www.fao.org/fishery/culturedspecies/Rachycentron_canadum/en

Kaiser, J.B., Faulk, C.K., Williamson, E.A., and G.J. Holt. 2012. Natural Spawning and Larviculture of Southern Flounder *Paralichthys lethostigma*. *World Aquaculture*. Vol. 43(1) pp.48-52:54.

Kaiser, J.B. 2014. Cracking the Flounder Code. *Tide Magazine*, Sept./Oct., vol 38, issue 5, p. 18.

Kaiser, J.B. and M.D. Chambers. 2017. Offshore Platforms and Mariculture in the US. In: Buck, B.H. and R. Langan (eds), pp. 375-391. *Aquaculture Perspective of Multi-Use*

Sites in the Open Ocean. Springer. https://link.springer.com/chapter/10.1007/978-3-319-51159-7_13.

Kaiser, J.B., C.K. Faulk, K.L. Thompson and L.A. Fuiman. 2018. Baitfish Aquaculture: Spawning and juvenile requirements of Pigfish, *Orthopristis chrysoptera*. World Aquaculture. September, pp. 48-51.

PRESENTATIONS

Mariculture Opportunities in the Gulf of Mexico: Experience with Seafish Mariculture, L.L.C. on an Offshore Platform. Presenter at Aquaculture America 2000, Feb. 2-5, 2000. New Orleans, Louisiana.

Offshore Mariculture in Texas: Past, Present, and Future. Open Ocean Aquaculture IV, June 17-20, 2001. St. Andrews, New Brunswick, Canada.

Spawning of Cobia (*Rachycentron canadum*) in captivity. Invited speaker at the 32nd Annual Conference of Texas Aquaculture Association, January 13-14, 2002. Bay City, Texas.

Culture of Cobia *Rachycentron canadum*. Presenter at Aquaculture America 2002, January 27-30, 2002. San Diego, California.

Spawning of Cobia (*Rachycentron canadum*) in captivity. Open Ocean Aquaculture Consortium Research Retreat, September 9-11, 2002. Biloxi, Mississippi.

Spawning and husbandry of cobia, *Rachycentron canadum*, broodstock. Presenter at Aquaculture America 2003, February 18-21, 2003. Louisville, Kentucky.

Update on research efforts with cobia *Rachycentron canadum*. Presented at the Sustainable Marine Fish Culture Conference and Workshop at HBOI, October 9-10, 2003. Fort Pierce, Florida.

Update on marine fish research at the UT Fisheries and Mariculture Lab. Invited speaker at the 34th Annual Conference of the Texas Aquaculture Association, February 2004. Port Lavaca, Texas.

Natural spawning of cobia *Rachycentron canadum* in recirculating tank systems. Presenter at Aquaculture America 2005, January 17-21, 2005. New Orleans, Louisiana.

Update on marine fish research at the UT Fisheries and Mariculture Lab. Invited speaker at the 35th Annual Conference of the Texas Aquaculture Association, February 2005. Corpus Christi, Texas.

Cobia *Rachycentron canadum* culture in Texas. Presented at the Sustainable Marine Fish Culture Conference and Workshop at HBOI, October 19-21, 2005. Fort Pierce, Florida.

Offshore Mariculture in Texas: Past, Present, and Future. Presented at Aquaculture 2007, February 26-March 2, 2007. San Antonio, Texas.

Production trials with cobia *Rachycentron canadum* in a recirculating raceway system. Presented at Aquaculture 2007, February 26-March 2, 2007. San Antonio, Texas.

Current Research on Flounder, Snook, and Tripletail at UT FAML – Port Aransas, TX. Invited speaker at the 38th Annual Conference of the Texas Aquaculture Association. January 2008. El Campo, Texas.

Update on Marine Finfish Research at UT-FAML, Invited speaker at the 39th Annual Texas Aquaculture Association meeting. January 2009. Bay City, Texas.

Shrimp Short Course – Texas A&M University College Station. Invited speaker. Facilities Management and Broodstock Maintenance at The University of Texas at Austin Marine Science Institute's Fisheries and Mariculture Laboratory (FAML). October 2009. UTMSI. Port Aransas, Texas.

Recirculating Tank Systems for Spawning of Marine Species, with emphasis on Southern Flounder, Cobia and Red Drum. Invited speaker at the 40th Annual Texas Aquaculture Association meeting. January 2010. Bay City, Texas.

Southern flounder as a potential aquaculture species. Invited speaker at the 41st Annual Texas Aquaculture Association meeting. January 2011. Bay City, Texas.

Shrimp Short Course – Texas A&M University College Station. Invited speaker. Facilities Management and Broodstock Maintenance at The University of Texas at Austin Marine Science Institute's Fisheries and Mariculture Laboratory (FAML). October 2011. UTMSI. Port Aransas, Texas.

Update on Southern Flounder research at the University of Texas Marine Science Institute's Fisheries and Mariculture Laboratory. Invited speaker at the 42nd Annual Texas Aquaculture Association meeting. January 2012. Bay City, Texas.

Current Status of Southern Flounder Research at the University of Texas Marine Science Institute's Fisheries and Mariculture Laboratory. Invited speaker at the 43rd Annual Texas Aquaculture Association meeting. January 2013. Fredericksburg, Texas.

Public Lecture Series at the University of Texas Marine Science Institute. Invited speaker. The University of Texas Marine Science Institute – Fisheries and Mariculture Laboratory. October 2014. Port Aransas, Texas.

Offshore Mariculture in Texas: Past, Present, and Future. Invited speaker at the 45th Annual Texas Aquaculture Association meeting, January 2015. Fredericksburg, Texas.

