

# VIRGINIA SEAFOOD

Agricultural Research and Extension Center



The VSAREC is dedicated to actively engaging with industry and research partners to identify and respond to emerging needs and support the future of the historic seafood industry – in Virginia and beyond. Through technical assistance, training, process validation, value-added product development, and more, we help our stakeholders ensure product quality, safety, and viability.

Recognized as a center of excellence for live feeds and hatchery production technologies, we work to advance aquaculture research and development. A new and expanded research facility opened in 2022 and includes aquaculture research facilities that are highly adjustable with the capacity to operate freshwater, brackish, and saltwater systems.

Additional facilities include a classroom, offices, and laboratories where researchers advance technology in cellular agriculture, alternative proteins, and sustainable food systems. Interwoven with other core center programs, research in economics and marketing covers areas of business development, regulatory impact assessment, and economic impact analysis for industry sectors.

VSAREC extension specialists work with and provide technical guidance to stakeholders in every level of the seafood supply chain.

## PARTNER WITH US

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(757) 727-4861  
[www.avec.vaes.vt.edu/avec/virginia-seafood](http://www.avec.vaes.vt.edu/avec/virginia-seafood)

“The food safety program at the VSAREC provides technical assistance to the Virginia seafood industry. These services, including Spanish-language safety training, help processors comply with federal and state regulations. It is very rewarding to know that the program supports keeping people in business while providing high-quality, safe products for families here in Virginia.”



**KATHERYN PARRAGA-ESTRADA**  
EXTENSION SPECIALIST - MUSCLE FOOD SAFETY

“Virginia Tech is vital to our business. From sanitation practices to validation tests and employee training, they do it all. We are so fortunate to have them as next door neighbors.”



**CASEY GRAHAM**  
VICE-PRESIDENT OF  
GRAHAM AND ROLLINS, INC.

# VIRGINIA SEAFOOD AREC AT A GLANCE



## DISCIPLINES

- Food and seafood safety
- Process validation and engineering
- Cellular agriculture and alternative proteins
- Aquaculture
- Green energy
- Economics and marketing
- Public policy and regulatory impact assessment

## INNOVATIVE TECHNOLOGIES

- Controlled environment agriculture
- Cell-based meat and bioprinting
- Nanogas

## FACILITIES

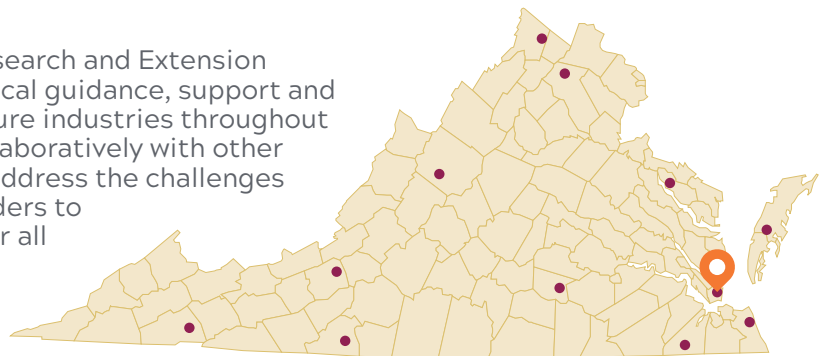
- Recirculating aquaculture systems
- Aquatic habitat systems
- Microbiology lab
- Cell culture lab
- Classroom for teaching and training

## INDUSTRY PARTNERS

- Aquaculture, including hydroponics, aquaponics
- Seafood producers, processors, distributors, and retailers
- Seafood end-users and consumers

## ABOUT THE VIRGINIA SEAFOOD AREC

The mission of the Virginia Seafood Agricultural Research and Extension Center is to provide education, scientific and technical guidance, support and leadership to the commercial seafood and aquaculture industries throughout Virginia and the United States. Our faculty work collaboratively with other researchers, Extension agents, and the industry to address the challenges and needs of our seafood and aquaculture stakeholders to ensure safe, sustainable, and wholesome seafood for all of us to enjoy.



## A COLLABORATIVE NETWORK

The ARECs are a network of 11 centers strategically located throughout the state that emphasize close working relationships between Virginia Agricultural Experiment Station, Virginia Cooperative Extension, and the industries they work with. The mission of the system is to engage in innovative, leading-edge research to discover new scientific knowledge and create and disseminate science-based applications that ensure the wise use of agricultural, natural, and community resources while enhancing quality of life.

Virginia Cooperative Extension is a partnership of Virginia Tech, Virginia State University, the U.S. Department of Agriculture, and local governments. Its programs and employment are open to all, regardless of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, military status, or any other basis protected by law. VT/0124/AREC-224NP (AREC-304NP)



VIRGINIA AGRICULTURAL  
EXPERIMENT STATION  
VIRGINIA TECH



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