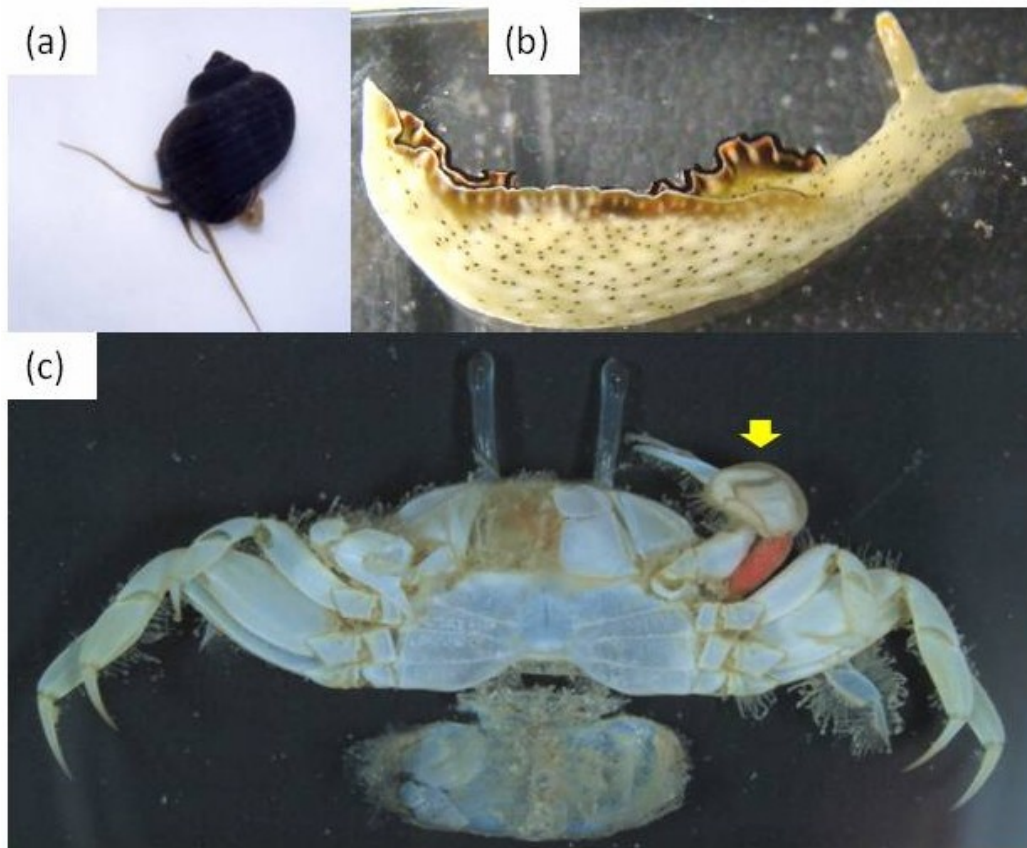


Ecology, conservation, and control of freshwater and marine invertebrates

Yoichi YUSA [Environmental Sciences Course]



(a) An invasive snail, *Pomacea canaliculata*; (b) a sacoglossan *Elysia* sp.;
(c) an endangered barnacle, *Octolasmis unguisiformis* (arrow).

I am interested in aquatic invertebrates in general, hoping to elucidate how diversity and underlying general rules are produced and maintained (see my research topics under Biology Course). As applied issues, I aim at developing novel techniques for controlling invasive species, and conservation of endangered species. For instance, I study how to control the highly invasive species, the apple snail *Pomacea canaliculata*, by activating its predator fauna through environmental reconstruction. I also study the life histories and rearing techniques of endangered species such as a unique barnacle, *Octolasmis unguisiformis*, which lives in Amami and Okinawa Islands, and a deep-sea “bone-eating worm”, *Osedax japonicus*.

Keywords : mollusc, crustacea, sex, life history, species interaction, alien species