CV of Vengatesen Thiyagarajan：

1. Academic Qualification

（1） 1991 Bachelor of Science, University of Madras, India,
（2） 1993 Master of Science, University of Madras, India
（3） 2000 Doctor of Philosophy, University of Madras, India

2. Positions Held（Chronological Order）

（1） 2000-08 Post-doctoral Fellowship, The University of Science and Technology (HKUST), Hong Kong
（2） 2008-till now Faculty member, The Swire Institute of Marine Sciences and School of Biological Sciences, The University of Hong Kong

3. Research Areas Related to Ocean Science, Technology and/or Policy

Biofouling, Biomaterials and Aquaculture

4. Funded Research Projects as Principal Investigator (PI) over the Past 5 Years (Maximum 5 Projects):

RGC-GRF^	**Biocalcification by tubeworms in the face of climate change: challenges and adaptive mechanisms**	**1,040,000**	2012/2013 **(2013-2016)**
RGC-GRF^	Larvae of the Hong Kong, Pacific, and Portuguese oysters in a changing climate: Who Wins, Who Loses, and Why?	680,683	2014/2015 (2015-2017)
RGC-GRF	Understanding the mechanisms for shell strength in Hong Kong oysters: will the toughest survive climate change?	522,898	2017/2018 (2018-2021)
RGC-GRF	Ocean acidification driven discovery of novel crystal orientation rotating proteins from oyster shells	558,272	2019/2020 (2020-2023)

5. Five Key Publications over the Past 5 Years （*Corresponding author）

1. Meng Y, Li C, Li H, Shih K, He C, Yao H, Thiyagarajan V (In press) Recoverable impacts of ocean acidification on the tubeworm, *Hydroides elegans*: implication for biofouling in future coastal oceans. *Biofouling* (I.F. 3.8)
2. Meng Y, Guo Z, Fitzer SC, Upadhyay A, Chan VBS, Li C, Cusack M, Yao H, Yeung KWK, **Thiyagarajan V*** (In press) Ocean acidification reduces mechanical properties of the Portuguese oyster shell with impaired microstructure: a hierarchical analysis. **Biogeosciences** (I.F. 4.10)
3. Meng Y, Fitzer SC, Chung P, Li C, **Thiyagarajan V***, Cusack M* (2018) Crystallographic Interdigitation in Oyster Shell Folia Enhances Material Strength. **Crystal Growth & Design** 18: 3753-3761(I.F. 4.0)
4. Fu J, Zhang H, Guo Z, Feng D, **Thiyagarajan V**, Yao H (2018) Combat biofouling with microscopic ridge-like surface morphology: a bioinspired study. *Journal of the Royal Society Interface* 15: 20170823 (I.F. 3.3)
5. Sunday JM, Fabricius KE, Kroeker KJ, Anderson KM, Brown NE, Barry JP, Connell SD, Dupont S, Gaylord B, Hall-Spencer JM, Klinger T, Milazzo M, Munday PL, Russell BD, Sanford E, **Thiyagarajan V**, Vaughan ML, Widdicombe S and Harley CDG (2017) Ocean acidification can mediate biodiversity shifts by changing biogenic habitat. **Nature Climate Change** 7, 81–85 (I.F. 20)

6. Awards and Recognition

Nil