**Table 1** Marine natural products (MNPs) or marine organisms for infectious diseases and major non-communicable diseases (mNCDs)

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| **MNPs** | Tuberculosis | **Infectious**  H. Pylori  (Ulcer) | **Diseases**  HIV infection  (AIDS) | SARS-CoV-2  (COVID-19) | **Infection-related**  CVD (irCVD) | **Major**  Diabetes | **NonCommunicable**  Cancer & Metastasis | **Diseases**  Others | **Mechanisms** |
| Sea Urchin | Possible | Yes, antiulcer | Possible | Possible | Possible | Possible | Possible | Possible | Antiulcer & Healing effects |
| Sea Squirt (Ascidians) | Possible | Possible | Possible | Possible | Possible | Possible | Possible | Possible | Anticoagulant Activity & Anti-inflammatory Activity |
| Sea Cucumber | Possible | Possible | Possible | Possible | Possible | Possible | Yes | Possible | Anticoagulant Activity & Anti-inflammatory Activity |
| Sea Snake | Possible  (Sepsis) | Possible  (Sepsis) | Possible  (Sepsis) | Possible  (Sepsis) | Possible | Possible | Possible | Possible | Antimicrobial &Anti-inflammatory Activity |
| Sponge | Possible  (Adjuvant Arthritis, Psoriatic Skin) | Possible  (Adjuvant Arthritis, Psoriatic Skin) | Possible  (Adjuvant Arthritis, Psoriatic Skin) | Possible  (Adjuvant Arthritis, Psoriatic Skin) | Possible | Possible | Yes | Possible | Topical Anti-inflammatory Activity  Inhibition of TNF-alpha generation & NF-kappa B Activation |
| Marine (red) Algae | Possible | Possible | Possible | Yes | Possible | Possible | Yes | Possible | Antiviral Activity  (RNA virus) |
| Microalgae | Possible | Possible | Possible | Possible | Possible | Possible | Possible | Possible | Agonist of PPAR-γ  Inhibit NFκB Signaling Pathway Activation |
| Marine organisms (vertebrate, invertebrate, Seaweed, soft coral, sea microorganism) | Possible | Possible | Possible | Yes | Yes | Possible | Possible | Possible | ACE inhibition & Anti-hypertensive Activities |
| Mineral-balanced deep Sea Water (MB-DSW) [Mg: Ca=3:1] | Possible | Possible | Possible | Possible | Yes | Yes | Yes  (Skin Cancer) | Possible | Anti-atopic Dermatitis Activity, Anti-diabetic, Anti-obesity Action, Cholesterol Metabolism,  Activation of Autophagic Cell Death |

Notes: MNPs or marine organisms are promising biomedical resources. Marine drugs, bioactive molecules, and agents can be used for treatment of infectious diseases, irCVD, and other mNCDs. They have bioactive potentials of antioxidant, anti-infection, anti-inflammatory, anticoagulant activity, anti-diabetic and anti-cancer effects.