

Galatheoidea of New Caledonia and environs: Remarks on the preliminary checklist

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This taxa contains two of the most diverse families of anomuran decapod crustaceans, Galatheidae and Chirostylidae, and includes crabs found in all marine habitats world-wide (Baba, 1988). The species are commonly found living on corals, gorgonians and sponges in rocky or muddy bottoms. The number of species is clearly higher in the waters of the West Pacific than in other oceans, although clearly lower in shallow waters (< 300 m) than in the continental shelf and slope (Macpherson, 1994). Until recently, the family Galatheidae was divided into 16 genera, *Munida* being the most speciose genus in the continental shelf and slope around the world (Baba, 1988, 2005). After the discovery of numerous undescribed species during numerous expeditions across the West Pacific – from the Philippines to New Caledonia the genus has been split into 5 genera: *Agononida*, *Crosnierita*, *Munida*, *Paramunida*, and *Raymunida* (Baba, 1988; 2005). A closely related genus, *Bathymunida*, which until the last decade was comprised of a few species, was also enriched by the material obtained in these expeditions and now 5 new genera (*Anoplionida*, *Heteronida*, *Neonida*, *Onconida*, and *Plesionida*) are recognized in the *Bathymunida* group. However, the genus *Galathea* containing numerous representatives, mostly shallow-water species, is still under study. The family Chirostylidae is also under study and numerous new species will be added to the New Caledonian Fauna (K. Baba, in prep.).

REFERENCES

- BABA, K., 1988. Chirostylid and Galatheid Crustaceans (Decapoda: Anomura) of the «Albatross» Philippine Expedition, 1907-1910. *Researches on Crustacea*, Special Number 2 : v + 203 pp.
- BABA, K., 2005. Deep-sea chirostylid and galatheid crustaceans (Decapoda: Anomura) from the Indo-Pacific, with a list of species. *Galathea Report*. 20, 317 pp.
- MACPHERSON, E., 1994. Crustacea Decapoda : Studies on the genus *Munida* Leach, 1820 (Galatheidae) in New Caledonian and adjacent waters with descriptions of 56 new species. In : A. Crosnier (ed.), Résultats des Campagnes MUSORSTOM, Vol. 12. *Mémoires du Muséum national d'Histoire naturelle.*, 161: 421-569.

List of taxa

Family Galatheidae

- Agononida laurentae* (Macpherson, 1994)
- Agononida ocyrhoe* (Macpherson, 1994)
- Agononida sphecia* (Macpherson, 1994)
- Agononida squamosa* (Henderson, 1885)
- Alainius crosnieri* Baba, 1991
- Bathymunida balssi* van Dam, 1838
- Bathymunida eurybregma* Baba & de Saint-Laurent, 1996
- Bathymunida nebulosa* Baba & de Saint-Laurent, 1996
- Bathymunida ocellaris* Baba & de Saint-Laurent, 1996
- Bathymunida rudis* Baba & de Saint-Laurent, 1996
- Bathymunida sibogae* van Dam, 1838
- Crosnierita dicata* (Macpherson, 1994)
- Crosnierita urizae* (Macpherson, 1994)
- Enriquea leviantennata* (Baba, 1988)
- Galathea ohshimai* Miyake & Baba, 1967

Galathea squamea Baba, 1979
Galathea subsquamata Stimpson, 1858
Galathea ternatensis deMan, 1902
Munida acantha Macpherson, 1994
Munida armilla Macpherson, 1994
Munida clinata Macpherson, 1994
Munida distiza Macpherson, 1994
Munida ecleipsis Macpherson, 1994
Munida gilii Macpherson, 1993
Munida gordoae Macpherson, 1994
Munida guttata Macpherson, 1994
Munida heteracantha Ortmann, 1892
Munida inornata Henderson, 1885
Munida javieri Macpherson, 1994
Munida leagora Macpherson, 1994
Munida leptitis Macpherson, 1994
Munida leptosyne Macpherson, 1994
Munida lineola Macpherson, 1994
Munida masi Macpherson, 1994
Munida moliae Macpherson, 1994
Munida notata Macpherson, 1994
Munida olivarae Macpherson, 1994
Munida ommata Macpherson, 2004
Munida pagesi Macpherson, 1994
Munida pectinata Macpherson & Machordom, 2005
Munida pontoporea Macpherson, 1994
Munida proto Macpherson, 1994
Munida pseliophora Macpherson, 1994
Munida rogeri Macpherson, 1994
Munida rufiantennulata Baba, 1969
Munida runcinata Macpherson, 1994
Munida sao Macpherson, 1994
Munida semoni Ortmann, 1894
Munida simulatrix Macpherson & Machordom, 2005
Munida spilota Macpherson, 1994
Munida stigmatica Macpherson, 1994
Munida taenia Macpherson, 1994
Munida thoe Macpherson, 1994
Munida tyche Macpherson, 1994
Munida zebra Macpherson, 1994
Munidopsis latimana Miyake & Baba, 1966
Onconida alaini Baba & de Saint-Laurent, 1996
Onconida tropis Baba & de Saint-Laurent, 1996
Paramunida belone Macpherson, 1993
Paramunida labis Macpherson, 1993
Paramunida longior Baba, 1988
Paramunida pictura Macpherson, 1993
Paramunida setigera Baba, 1988
Paramunida stichas Macpherson, 1993
Paramunida thalie Macpherson, 1993
Phylladorhynchus ikedai Baba, 1969
Phylladorhynchus integrirostris (Dana, 1852)
Raymunida dextralis Macpherson & Machordom, 2001
Raymunida elegantissima (de Man, 1902)
Torbenia calvata Macpherson, 2006
Torbenia insolita (Macpherson, 2004)

Family Chirostylidae

Eumunida minor deSaint-Laurent & Macpherson, 1990

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