

能是分枝的顶梢部分的小丘状特征尚未充分发育形成的原因,以致造成前人在分类上的混乱,为此作者同意 Veron 等人的意见,硬刺柄珊瑚作为有效种名。

腐蚀刺柄珊瑚 *Hydnophora exesa* (Pallas, 1766) (图版XXXII 图1)

- Madrepora exesa* Pallas, 1766, p. 290. (cited after Scheer)
- Madrepora exesa* Pallas, Scheer, 1991, *Senckenb. biol.*, **71** (4/6), p. 386.
- Hydnophora exesa* (Pallas), Gardiner, 1899, *Proc. Zool. Soc. London*, p. 745, pl. 48, figs. 2, 3.
- Hydnophora exesa* (Pallas), Vaughan, 1918, *Dept. Mar. Biol. Pub. Carnegie Inst. Wash.*, **9**, p. 121, pl. 47, figs. 2—2a; pl. 48, fig. 1.
- Hydnophora exesa* (Pallas), Matthai, 1924, *Mem. Ind. Mus. Calcutta*, **8**, p. 27, pl. 5, fig. 6.
- Hydnophora exesa* (Pallas), Faustino, 1927, *Bur. Sci. Monog. Manila*, **22**, p. 149, pl. 36, figs. 1, 2.
- Hydnophora exesa* (Pallas), Matthai, 1928, *Brit. Mus. (Nat. Hist.) Cat. Madre. Corals*, **7**, p. 140, pl. 14, fig. 5; pl. 15, figs. 1, 2; pl. 16, figs. 1—4; pl. 17, fig. 3.
- Hydnophora exesa* (Pallas), Yabe, Sugiyama & Eguchi, 1936, *Sci. Rep. Tohoku Imp. Univ.*, 2nd Ser. (Geol.), Special **1**, p. 39, pl. 25, fig. 7; pl. 29, fig. 2; pl. 29, fig. 2; pl. 30, fig. 2.
- Hydnophora exesa* (Pallas), Ma, 1937, *Mem. Nat. Inst. Acad. Sinica Zool.*, **1**, p. 99, pl. 22, figs. 1, 2; pl. 23, figs. 1, 2.
- Hydnophora exesa* (Pallas), Eguchi, 1938, *Palao Trop. Biol. Stat. Studies*, **1** (3), p. 350.
- Hydnophora exesa* (Pallas), Umbgrove, 1939, *Zool. Med. Mus. Leiden*, **22**, p. 34.
- Hydnophora exesa* (Pallas), sensu Searle, 1956, non *H. exesa* (Pallas), *Mal. Nat. Jour.*, **11** (1—2), p. 21, pl. 27B.
- Hydnophora exesa* (Pallas), Nemenzo, 1959, *Nat. Appl. Sci. Bul.*, **16** (1—4), p. 103, pl. 11, fig. 1.
- Hydnophora exesa* (Pallas), Ma, 1959, *Oceanog. Sinica*, Special **1**, p. 56, pl. 239, fig. 1; pl. 241, fig. 1; pl. 242, fig. 1.
- Hydnophora exesa* (Pallas), Wijsman-Best, 1972, *Zool. Med.*, **42** (1), p. 51, pl. 13, figs. 1—4.
- Hydnophora exesa* (Pallas), Scheer & Pillai, 1974, *Zoologica*, **122**, p. 52.
- Hydnophora exesa* (Pallas), 邹仁林等, 1975, 科学出版社, p. 49, pl. 14, fig. 2.
- Hydnophora exesa* (Pallas), Chevalier, 1975, *Exp. Franc. Recifs Corall. Nouvelle Calédonie*, **7**, p. 175, pl. 14, figs. 1—6; pl. 16, figs. 2—6; pl. 18, fig. 1; pl. 41, fig. 4.
- Hydnophora exesa* (Pallas), Wijsman-Best, 1976, *Zool. Med.*, **50** (4), p. 57, pl. 8, fig. 1.
- Hydnophora exesa* (Pallas), Pillai & Scheer, 1974, *Zoologica*, **126**, p. 60.
- Hydnophora exesa* (Pallas), Veron, Pichon & Wijsman-Best, 1977, *Aust. Inst. Mar. Sci. Monog.*, Ser. **3**, p. 129, figs. 247—254.
- Hydnophora exesa* (Pallas), Veron, 1981, *Proc. 1st. Internat. Mar. Biol. Workshop*, **1**, p. 120.
- Hydnophora exesa* (Pallas), Scheer & Pillai, 1983, *Zoologica*, **133**, p. 128, pl. 31, figs. 4, 5; pl.

33, fig. 12.

Hydnophora exesa (Pallas), Scott, 1984, Hong Kong Univ. Press, p. 74, pl. 31A.

Hydnophora exesa (Pallas), Pillai, 1986, *Rec. Adv. Mar. Biol.*, p. 171, pl. 13, fig. 2.

Hydnophora exesa (Pallas), Best & Suharsono, 1991, *Zool. Med. Leiden*, **65**, p. 334, fig. 1.

Hydnophora exesa (Pallas), Veron, 1993, Univ. Hawaii Press, p. 432, figs. 1—3.

标本采集地：三亚鹿回头、白排、香港水域、涠洲岛、碇洲岛、澳头港、仙娥礁、信义礁、海口礁、舰长礁、半月礁。

特征：珊瑚骨骼由非珊瑚杯表面的小丘形成多枝状，附着基扁平而大，分枝宽，高1.5—7cm，次生小枝狭。谷连续而弯曲。小丘形状变化大，在小枝顶端呈花瓣形，使整个分枝犹如一朵花；在大枝上的小丘弯曲，或分叉，或呈“S”、或“W”形。分枝基部小丘呈“Λ”形。隔片数目不等，排列无规律，形状也不一，有长三角形、楔形、长方形等。隔片边缘齿稀疏，两侧有颗粒。隔片基部与轴柱相连，或不连。

生活时为褐色，顶端是黄色。

地理分布：红海，阿尔达布拉群岛，马斯克林群岛，阿米兰特群岛，马尔代夫群岛，查戈斯群岛，斯里兰卡，毛里求斯岛，新加坡，印度尼西亚，阿拉弗拉海，汤加塔布岛，托雷斯海峡，大堡礁，斐济群岛，帛琉群岛，加罗林群岛，琉球群岛，菲律宾；我国海南岛、东沙群岛、西沙群岛和南沙群岛。

注释：Chevalier (1975, p. 175), Veron、Pichon 和 Wijsman-Best (1977, p. 129) 与 Scheer 和 Pillai (1983, p. 128) 都认为 *Hydnophora demidovii* Fisher de Waldheim, *H. pallassii* Fisher de Waldheim, *H. lobata* (Lamarck), *H. polygonata* (Lamarck), *H. ehrenbergi* Milne-Edwards & Haime, *H. gyrosa* Milne-Edwards & Haime, *H. tenella* Quelch, *H. grandis* Gardiner, *H. maldivensis* Gardiner, *Monticularis meandrina* Lamarck, *Monticularia folium* Lamarck 是本种的同物异名。至于 *Hydnophora contignatio* (Forsk.)，作者认为是个有效种。

邻基刺柄珊瑚 *Hydnophora contignatio* (Forsk., 1775) (图版XXXII 图4)

Madrepora contignatio Forsk., 1775, p. 134. (cited after Matthai)

Hydnophora contignatio (Forsk.), Matthai, 1928, *Brit. Mus. (Nat. Hist.) Cat. Madre. Corals*, **7**, p. 155, pl. 15, fig. 3; pl. 17, figs. 7—9; pl. 18, figs. 1—3, 6; pl. 46, fig. 2.

Hydnophora contignatio (Forsk.), Umbgrove, 1939, *Zool. Med. Mus. Leiden*, **22**, p. 34, p. 5, fig. 3.

Hydnophora exesa (Pallas), sensu Searle, 1956 non *H. contignatio* (Pallas), *Mal. Nat. Jour.*, **11** (1—2), p. 20, pl. 28A.

Hydnophora contignatio (Forsk.), 邹仁林等, 1975, 科学出版社, p. 48, pl. 6, fig. 7.

Hydnophora bonsai Veron, 1990, *Galaxea*, **9**, p. 139, figs. 46, 47.