

Annex V-3

HAB Meta-database

Prepared and Submitted by CEARAC Secretariat

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The HAB meta-database aims at a comprehensive information source on the HAB in the NOWPAP region to be freely and easily utilized by interested organizations/persons. The meta-database is composed of a list of literature and PDF files of individual literature.

List of literature contained in the Meta-database (extracted)

[Japan]

Asakawa, M, Miyazawa, K., Takayama, H. and Noguchi, T. (1995) XXXX. *Toxicon*, 33, 691-697.

Baba, T., Momoyama, K. and Hiraoka, M. (1995) A harmful flagellate plankton increased in Tokuyama Bay. *Bull. Yamaguchi Pref. Naikai Fish. Exp. Stn.*, 24, 121-122.

Cheng, X.C., Kihara, T., Kusakabe, H.J., Magae, J., Kobayashi, Y., Fang, R.P., Ni, Z.F., Shen, Y.C., Ko, K., Yamaguchi, I. and Isono, K. (1987) *J. Antibiot.*, 6, 907-909.

Chou, H.N. and Shimizu, Y. (1987) XXXX. *J. Am. Chem. Soc.*, 109, 2184-2185.

Daigo, K., Noguchi, T., Kawai, N., Miwa, A. and Hashimoto, K. (1989) Detection of paralytic shellfish poison by a lobster nerve-muscle preparation. in "Red Tides: Biology, Environmental science and Toxicology (eds by T. Okaichi, D.M. Anderson and T. Nemoto)", Elsevier, New York, 387-390.

Daigo, K., Noguchi, T., Miwa, A., Kawai, N. and Hashimoto, K. (1988) XXXX. *Toxicon*, 26, 485-490.

Endo, M., Foscarini, R. and Kuroki, A. (1988) Electrocardiogram of a marine fish, *Pagrus major*, exposed to red tide plankton, *Chattonella marina*. *Mar. Biol.*, 97, 477-481.

Endo, M., Sakai, T. and Kuroki, A. (1985) Histological and histochemical changes in the gills of the yellowtail *Seriola quinqueradiata* exposed to the Raphidophycean flagellate *Chattonella marina*. *Mar. Biol.*, 87, 193-197.

- Fujiki, H., Suganuma, M., Suguri, H., Yoshizawa, S., Takagi, K., Nakayasu, M., Ojika, K., Yamada, K., Yasumoto, T., Moore, R.E. and Suganuma, T. (1990) in "Marine Toxins - Origin, Structure and Molecular, Pharmacology (eds by S. Hall and G. Strichartz)", American Chemical Society, Washington, DC, 232-240.
- Fujiki, H. and Sugihara, H. (1987) XXXX. Adv. Cancer Res., 49, 223-264.
- Fujiwara, T., Hashimoto, E. and Yamasaki, M. (1981) XXXX. Rept. Government Ind. Res. Inst., Chugoku, 13, 1-34.
- J0034 Fukami, K., Sakaguchi, K., Kanou, M. and Nishijima, T. (1996) Effects of bacterial assemblages on the succession of blooming phytoplankton from *Skeletonema costatum* to *Heterosigma akashiwo*. in " Harmful and Toxic Algal Blooms (eds by T. Yasumoto, Y. Oshima and Y. Fukuyo)", UNESCO, 335-338.
- J0146 Fukami, K., Yuzawa, A., Nishijima, T. and Hata, Y. (1992) Isolation and properties of a bacterium inhibiting the growth of *Gymnodinium nagasakiense*. Bull. Japan Soc. Scient. Fish., 58(5), 1073-1077.
- J0050 Fukuyo, Y. (1979) Theca and cyst of *Gonyaulax excavata* (Braarud) Balech found at Ofunato Bay, Pacific coast of Northern Japan. in "Toxic Dinoflagellate Blooms", Elsevier, North Holland, 61-64.
- Fukuyo, Y. (1985a) Morphology of *Protogonyaulax tamarensis* (Lebour) Taylor and *Protogonyaulax catenella* (Whedon and Kofoid) Taylor from Japanese coastal waters. Bull. Mar. Sci., 37, 529-537.
- J0001 Fukuyo, Y., Imai, I., Kodama, M. and Tamai, K. (2002) Red tides and other harmful algal blooms in Japan. in "Harmful Algal blooms in the PICES Region of the North Pacific (eds by F.J.R. "Max" Taylor and V.L. Trainer)", PICES Scientific Report, No.23, North Pacific Marine Science Organization, 7-20.
- Fukuyo, T., Kittaka, J. and Hirano, R. (1977) Studies on the cysts of marine dinoflagellates 1 *Protoperdinium minutum* (Kofoid) Loeblich. Bull. Plankton Soc. Japan, 24, 11-18. (in Japanese)
- Book Fukuyo, Y., Takano, H., Chihara, M. and Matsuoka, K. (Eds.) (1990) Red Tide Organisms in Japan: an illustrated taxonomic guide. Uchida Rokakuho, Tokyo, 407pp.
- Fukuyo, Y., Yoshida, K. and Inoue H. (1985) *Protogonyaulax* in Japanese coastal waters. in "Toxic dinoflagellates (eds by D.M. Anderson, A.W. White and D.G. Baden)", Elsevier, Amsterdam, 27-32.

Explanation of the Reference List of HAB in NOWPAP Region

1. Aim of the preparation of the list

The list aims at the formation of a comprehensive database, which contains the existing literature on red tides and HABs in the NOWPAP region. This will help researchers analyze the red tide HAB phenomena. The list is retrieved in a CD-ROM and is distributed to NOWPAP members.

2. Content of the CD-ROM

The CD-ROM retrieves the list of the red tide / HAB literature (Microsoft Word File), together with PDF files of each literature so as to quickly access the existing reports and theses. The list tabulates a total of 849 articles (451 from Japan, 263 from China, 82 from Korea and 53 from Russia) and currently 411 of these are filed as PDF (217 from Japan, 175 from China, 14 from Korea and 5 from Russia).

3. Starting the CD-ROM

When using this CD-ROM, first start the MS Word file "Reference List (Version 1)", before opening the PDF files. Please read the initial instructions on the MS Word file to understand the overall structure of the reference list.

4. Structure of the list

- 1) The reference list is categorized by country. Organization of the senior author is used to classify the literature by country.
- 2) The alphabet (country code) and 4 digit numbers on the left hand side of the list (e.g. J0001) is the reference number of the literature. PDF version of the literature will open by left clicking (or Cont key + left click) this reference number.
- 3) When the left hand side is indicated by "PDF", the corresponding literature is in the process for PDF. When the left hand side is indicated by "BOOK", the information source is a reference book.
- 4) The list includes the author name, published year, title and source.
- 5) When the author name is uncertain, it is indicated as "et al."
- 6) When the title or other information is unknown, it is indicated by "XXXX, XXX, XX".

5. Request to whom it may concern

Although the CD-ROM contains more than 850 red tide / HAB-related literature from the NOWPAP area, the numbers are still insufficient considering the total

numbers of related literature published from this region. Furthermore, for some literature the author name, title, source is unknown. We will continue to search and gather new materials while we would also like to obtain additional red tide / HAB related information from you.

We would particularly appreciate if we could obtain your country reports, reports published by the local governments or universities. Also, journals of academic societies that are hard to obtain by the Secretariat are most welcome. Your cooperation will help to further improve the contents of the database as a valuable information source for future NOWPAP activities.

You may send the above information to the Secretariate.

Please be advised that:

- 1) When supplementing unknown information of the reference list (author, source, etc...), please provide the information in English.
- 2) When providing us with additional literature information please attach its copy. Also if the title and source is written in non-English language, please provide us with an English version of the author name, title and source.

Finally, due to copyright reasons the PDF information inside the CD-ROM must be only used within the WG.