Acknowledgements

I would like to thank to Professor Kenshiro Ogasawara, Institute of Geoscience, University of Tsukuba for his valuable comments and suggestions. I express my sincere appreciation to Associate Professor Ken-ichiro Hisada for continuous advice and encouragement throughout the study. I also express my deep appreciation to Professor Yujiro Ogawa for helpful advice and constructive discussion. Thanks are also due to Assistant Professor Isao Motoyama for helpful comments. I am deeply grateful to Professor Md. Badrul Islam of University of Rajshahi, Bangladesh, for his support of the survey in the Sylhet area of Bangladesh and valuable discussion about the geology of Bangladesh. I am also grateful to Assosiate Professor Mia Mohammad Mohiuddin and Assitant Professor Md. Aminul Islam of University of Rajshahi for their support of the survey in the Chittagong area of Bangladesh, discussion about the geology of Bangladesh, and providing sandstone samples from the Chittagong area. I would like to thank to Professor Shoji Arai of Kanazawa University for helpful suggestions and comments in studying chromian spinels. The helpful assistance of Dr. Norimasa Nishida of Chemical Analysis Center, University of Tsukuba, in the operation of the microprobe is acknowledged. The useful advice of Assistant Professer Teruo Ohtsubo, Institute of Agricultural and Forest Engineering, University of Tsukuba, in the survey around the Setogawa area is also acknowledged. I wish to thank to the Ocean Research Institute of the University of Tokyo for providing piston core samples from the Bengal fan. I also wish to thank to Professor Hisato Yasuda and Assosiate Professor Masafumi Murayama of Center of Advanced Marine Core Research of Kochi University for valuable help for piston core sample treatment. I am grateful to thank to Dr. Naoto Hirano, Dr. Shunsuke Kawakami and Mr. Junichiro Kuroda for their encouragement and permission to quote their results in advance of publication. I also wish to thank to Dr. Yukito Kurihara for valuable discussion about the sedimentary environment of the Hota Group, Finally thanks to

- Cosmochim. Acta, 4, 179-208.
- Mizuno, A., 1956, A preliminary note on the magafaunal zones of the Paleogene in northwestern Kyushu, Japan (For correlation of the Paleogene formations in Japan). Bull. Geol. Surv. Japan, 7(6), 25-34 (in Japanese with English abstract)
- Mochizuki, K., 1956, Geology of Shizuoka Prefecture. With Geologic Sheet map at 1: 200,000. Shizuoka Prefecture, 57p. (in Japanese)
- Mohiuddin, M. M. and Ogawa, Y., 1996, Middle Eocene to early Oligocene planktonic foraminifers from the micritic limestone beds of the Heguri area, Mineoka Belt, Boso Peninsula. *Jour. Geol. Soc. Japan*, 102(7), 611-617.
- Mohiuddin, M. M. and Ogawa, Y., 1998a, Early Miocene pelagic sequences in the Mineoka Belt, Boso Peninsula, Japan. *Jour. Geol. Soc. Japan*, 104(1), 1-12.
- Mohiuddin, M. M. and Ogawa, Y., 1998b, Late Paleocene-middle Miocene pelagic sequences in the Boso Peninsula, Japan: New light on northwest Pacific tectonics. *Island Arc*, 7, 301-314.
- Molnar, P. and Tapponnier, P., 1975, Cenozoic tectonics of Asia: Effects of a continental collision. Science, 189, 419-426.
- Morimoto, N., 1988, Nomenclature of pyroxenes. Mineral, Mag., 52, 477-493.
- Morton, A. C., 1991, Geochemical studies of detrital heavy minerals and their application to provenance research. In: Morton, A. C., et al., (eds), Developments in Sedimentary Provenance Studies, Geol. Soc. London, Spec. Pub. no. 57, 31-45.
- Naka, J., 1985, Seamount origin greenstones in the Setogawa Belt., Chikyu (the Earth Monthly), 7(11), 663-667. (in Japanese)
- Naka, J., 1988, Volcanostratigraphic sequence of greenstones in the Setogawa Terrane, central Japan. *Modern Geology*, 12, 243-282.
- Nakajima, T., Makimoto, H., Hirajima, J. and Tokuhashi, S., 1981, Geology of the Kamogawa district. Quadrangle Series, scale 1:50,000, Geol. Surv. Japan, 107p. (in Japanese with English abstract, 7p.)
- Neumann, E.·R., 1976, Two refinements for the calculation of structural formulae for pyroxenes and amphiboles. *Norsk Geologisk Tidsskrift*, 56, 1-6.
- Niida, K., Yamamoto, M., Yasui, M. and Haldar, D., 2003, Outline of geology and petrology of the Andaman ophiolite. *Abs. 110th Ann. Meet. Geol. Soc. Japan*, p. 54. (in Japanese)
- Noda, Y., Saito, S. and Nagata, T., 2002, Occurrence of *Mytilus tichanovitchi* from the Hota Group in the Boso Peninsula and its significance. *Mem. Fukui Pref. Dino.*Mus., 1, 96-101. (in Japanese with English abstract)
- Ogasawara, K., Hisada, K. and Kitada, N., 1994, Early Miocene Calyptogena from the