Dr. Shiro Oshima, Associate Professor of the Department of Medical Biology, Institute of Basic Medical Sciences, University of Tsukuba, died on August 18, 1981. He was 47 years old.

Dr. OSHIMA, specialized in medical zoology, was an active member of the Japan Society of Sanitary Zoology. He made major contributions to the clarification of acarine fauna of house dust, employing his unique technique, ethylether/carbontetrachloride mixed solvent floatation-fractionation method, and incriminated *Dermatophagoides farinae* as a causative agent of bronchial asthma in 1969. He was awarded an honorable prize by the Japan Society of Sanitary Zoology for a series of the studies.

He was also an active member of the Japanese Association for Acarology, and was justly known by many associates as the "Locomotive of the Association and Domestic Acarology" for his energy and vitality.

Dr. OSHIMA made a trip to Europe and America in 1974, and visited leading acarological laboratories in Belgium, The Netherlands, France and the United States. Taking that opportunity, he had several joint works with European acarologists.

In addition to his activity in medical acarology, Dr. OSHIMA was once involved in the Japan-Philippine Medical Cooperation Project. During his stay in Leyte, Philippines, he found an unexpected localization of *Schistosoma japonicum* in the lungs of the field rat.

At Tsukuba, Dr. OSHIMA played important role in education and church community. He served all with sincerity and enthusiasm. His departure will be felt by those who were acquainted with him as well as by those who worked with him.

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Dr. OSHIMA is survived by his wife, Mrs. REIKO OSHIMA, his son and daughters.

His major publications are as follows:

- OSHIMA (S.), 1964. Observation of floor mites collected in Yokohama. I. On the mites found in several schools in summer. Jap. J. Sanit. Zool. 15 (4): 233-244. (In Japanese with English summary.)
- OSHIMA (S.) & SUGITA (K.), 1966. Life cycle of *Dermatophagoides farinae* Hughes, 1961 (Aacarina: Epidermoptidae). Bull. Yokohama City Health Labo. 4: 55-60. (In Japanese.)
- OSHIMA (S.), 1967. Studies on the genus *Dermatophagoides* (Psoroptidae, Acarina) as floor-mites, with special reference to the medical importance. Jap. J. Sanit. Zool. **18**: 213-215.
- SASA (M.), OSHIMA (S.), MATSUMOTO (K.) & SINHA (N.), 1967. On the identity of *Tyrophagus putrescentiae* (Schrank) and *T. dimidiatus* (Hermann) in Japan (Acarina, Acaridae). Ibid. 18: 216-217.
- MIYAMOTO (T.), OSHIMA (S.), ISHIZAKI (T.) & SATO (S.), 1968. Allergenic identity between the common floor mite (*Dermatophagoides farinae* Hughes, 1961) and house dust as a causative antigen in bronchial asthma. J. Allergy 42: 14-28.
- OSHIMA (S.), 1968. Redescription of three species of *Mealia* Trouessart, 1897 (Acarina: Pyroglyphidae) from house dust in Japan. Jap. J. Sanit. Zool. 19: 165-191.
- OSHIMA (S.), SUGITA (K.) & NAKAMURA (Y.), 1968. On the acari fauna of house dust of Japan with particular reference to the genus *Mealia* (Pyroglyphidae: Acarina). Bull. Yokohama City Health Labo. 6: 55-60. (In Japanese.)
- OSHIMA (S.), SUGITA (K.) & NAKAMURA (Y.), 1968. A numerical analysis of the acari fauna of house dust in Japan and Taiwan. Ibid. 7: 55-60. (In Japanese.)
- MIYAMOTO (T.), OSHIMA (S.), MIZUNO (K.), SASA (M.) & ISHIZAKI (T.), 1969. Cross-antigenicity among six species of dust-mites and house dust antigens. J. Allergy 44: 228-238.



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- OSHIMA (S.), 1970. Studies on the mite fauna of the house-dust of Japan and Taiwan with special reference to house-dust allergy. Jap. J. Sanit. Zool. 21: 1-17.
- OSHIMA (S.), 1970. House-dust and house-dust mites with special reference to their biological and medical significance. * Science, 40: 19-28. (In Japanese.)
- MIYAMOTO (T.), OSHIMA (S.), DOMAE (A.), TAKAHASHI (K.), IZEKI (M.), TANAKA (T.) & ISHIZAKI (T.), 1970.

 Allergic potency of different house dust in relation to contained mites. Ann. Allergy 28: 405-412.
- OSHIMA (S.), 1970. A study on acarine fauna of house-dust. * Ann. rep. Yokohama Inst. Health 8: 68-79. (In Japanese.).
- OSHIMA (S.), NAKAMURA (Y.) & SUGITA (K.), 1970. On the infestation of stored product pests in candy store (confectionery retail store) in Yokohama. J. Food Hyg. Soc. Jap. 11 (Suppl.): 73-77. (In Japanese with English summary.)
- OSHIMA (S.), NAKAMURA (Y.) & SUGITA (K.), 1970. On the effect of DDVP strip to stored product pests on semi-field condition. Ibid. 11 (Suppl.): 129-131. (In Japanese with English summary).
- OSHIMA (S.), SUGITA (K.), NAKAMURA (Y.) & YAMA-MOTO (A.), 1971. Causative mites of itch in the newly-built houses. Ann. Rep. Yokohama Inst. Health 9: 63-66 (In Japanese.)
- OSHIMA (S.), 1971. House-dust and mites *. In: Recent Advances in Medical Zoology (ed. SASA (M.)) Gakujitsu Pub. Co. Ltd.: 203-223, Tokyo. (In Japanese.)
- OSHIMA (S.), SUGITA (K.) & NAKAMURA (Y.), 1972. Extractive efficiency of the mite fauna of house-dust by the E-C solvent floatation-fractionation method. Ann. Rep. Yokohama Inst. Health 11: 52-58. (In Japanese).
- OSHIMA (S.), NAKAMURA (Y.), SUGITA (K.), YONEYAMA (E.), KITAZUME (M.) & YOSHINAGA (Y.), 1972. Population density of the mites of floor affected by the moisture content of the Tatami mat, with a particular reference to practical prevention. Ibid. 11: 62-69. (In Japanese.)
- OSHIMA (S.), 1972. House-dust mites and their ecology. * Kûki Seijo 9: 25-73. (In Japanese with English abstract.)
- OSHIMA (S.), 1972. Mites of the genus *Mealia* (= *Dermatophagoides*) and house-dust. * Igakuno-Mon 12: 50-58. (In Japanese.)
- BRONSWIJK (J. E. M. H. Van), COCK (A. W. A.M.) & OSHIMA (S.), 1973. The genus *Blomia* Oudemans (Acari: Glycyphagidae). I. Description of *Blomia tro*-
 - * Translated by K. U.

- picalis n. sp. from house-dust in tropical regions. Acarologia 15: 477-489.
- *Idem.* II. Comparison of its species. Ibid. **15**: 490-505.
- OSHIMA (S.), 1973. An extracting method for mites as sanitary indicators in indoor environment. * Toshi Setsubi Kenkyu 4 20-32. (In Japanese.)
- OSHIMA (S.), NAKAMURA (Y.) & SUGITA (K.), 1973. A preparation alive trap for live floor mites. Ann. Rep. Yokohama Inst. Health 12: 75-82. (In Japanese with English summary.)
- FAIN (A.), OSHIMA (S.) & BRONSWIJK (J. E. M. H. Van), 1974. *Hirstia domicola* n. sp. from house dust in Japan and Surinam (Acarina: Sarcoptiformes, Pyroglyphidae). Jap. J. Sanit. Zool. 25: 197-203.
- OSHIMA (S.), 1974. A method for extracting mites from house-dust. * J. Med. Technol. 18: 373-382. (In Japanese.)
- OSHIMA (S.), 1975. Factors influencing seasonal fluctuation of house-dust mites. * Jap. J. Ped. Surg. Med. 7: 461-468. (In Japanese.)
- MORITA (Y.), MIYAMOTO (T.), HORIUCHI (Y.), OSHIMA (S.), KATSUHATA (A.) & KAWAI (S.), 1975. Further studies in allergenic identity between house dust and the house dust mite *Dermatophagoides farinae* Hughes, 1961. Ann. Allergy 35: 361-366.
- OSHIMA (S.), 1977. Acaroid mites of house dust. *In*: Contribution to Acarology in Japan (ed. Sasa (M.) and Aoki (J.)), Zukan-no-Hokuryukan, Tokyo, pp. 525-568. (In Japanese.)
- OSHIMA (S.), YASURAOKA (K.), IRIE (Y.), BLAS (B. L.), NOSENAS (J. S.) & SANTOS (A. J.), 1978. Final localization of *Shistosoma japonicum* in the lungs of field rats, *Rattus mindanensis*, in Leyte, Philippines. Japan. J. Exp. Med. 48: 503-509.
- OSHIMA (S.), 1979. New acaroid mites in house dust. Annot. Zool. Japon. 52: 240-245.
- OSHIMA (S.), 1980. Acaroidea. *In*: Illustrations of the Mites and Ticks of Japan (ed. S. Ehara), Zenkoku Noson Kyoiku Kyokai, Tokyo, pp. 380-391.
- OSHIMA (S.), 1980. Today's scabies. Modern Media 26: 9-21. (In Japanese.)
- OSHIMA (S.), 1980. Spreading of scabies in hospital. * Hifubyoh-Shinryo 2 : 392-395. (In Japanese.)

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