

PALIS, Jacob



**Fellow, Elected 1991 - Section I - Mathematical Sciences
TWAS President, 2007-09.**

Born on 15 March 1940 in Uberaba, Brazil.

Palis is professor at the Instituto Nacional de Matemática Pura e Aplicada in Rio de Janeiro, president of the Brazilian Academy of Sciences and president of TWAS. He obtained his PhD in 1967 at UC Berkeley. He has served in various capacities at the International Mathematical Union, the International Council for Science and the Scientific Councils of ICTP, ETH-Zurich, and Collège de France. He holds several honorary degrees. His awards include: Moinho Santista, Brazil; Brazilian National Prize

for Science and Technology; Interamerican Prize for Science; Prêmio México de Ciência e Tecnologia; and Grand-Croix National Order of Scientific Merit, Brazil. His membership includes the Brazilian, Latin American, Indian, Chilean, Mexican, French, European and US national academies of sciences.

Keywords: *Dynamical systems; differential equations; chaotic attractors; typical behavior; stochastic stability.*

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PANDIAN, Thavamani Jegajothivel



Fellow, Elected 1999 - Section A - Agricultural Sciences

Born on 15 June 1939 in Palamedu, India.

Pandian is national professor at Madurai Kamaraj Univ., India. He was previously: Lecturer, Bangalore Univ., 1968-71; reader, Madurai Univ., 1971-78; and professor and senior professor at Madurai Kamaraj Univ., 1978-96. He has made important contributions in fish genetics through the discovery of haploid and tetraploid catfish, the generation of supermales (YY) and superfemales (ZZ) to sire monosex progenies, and cloning and construction of all-fish growth hormone gene transformation

vectors for developing countries. His awards include: SS Bhatnagar Prize, CSIR, New Delhi; Naga Prize, Intl. Ctr. for Living Aquatic Resources Management, Manila; and KN Bahl Memorial Gold Medal, Society of Biosciences, New Delhi. His membership includes: Indian Academy of Sciences; Asian Fisheries Society, Philippines; Indian Natl. Science Academy; and Natl. Academy of Agric. Sciences, India.

Keywords: *Fishery science; genetics; ploidy induction and sex control; interspecific androgenetic cloning; restoration of genotype of (endangered) fish species from preserved sperm.*

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