

The Good, the Bad and the Ugly – The World of Nematodes



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東京農工大学 小金井キャンパス BASE本館2階 リーディング学生セミナー室
Leading Seminar Room, 2nd Fl., BASE, Koganei Campus TUAT

Abstract

Nematodes, also known as roundworms and eelworms, are unsegmented, cylindrical invertebrates, moving with an eel-like motion in at least a film of liquid. Most are microscopic, except for some species of animal-parasites. Nematodes are present in nearly every ecosystem.

Many genera of nematodes are parasites of vertebrates (including man and his animals) and invertebrates, and every crop plant is a host to one or more species of plant-parasitic nematode. Plant-parasitic nematodes are of considerable importance worldwide and their devastating effects on crops have major economic and social impacts. Control is imperative and with the banning or limitation of the use of many nematicides, alternative control strategies are required that, in turn, will have to be based on a sound knowledge of nematode biology and taxonomy. Use of entomopathogenic nematodes has proved commercially successful for biocontrol of some insects, as have nematode parasites of slugs.

This talk will cover the main groups of nematodes and their importance, highlighting the need for research to provide novel control strategies.

■共催／Co-Organized by

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言語 / 英語 Language / English

どなたでも、ご聴講いただけます。
Everyone is welcome to attend.