



Tamil Nadu Agricultural University
Coimbatore – 641 003

Dr. M. Rajavel, Ph.D.,
Public Relations Officer
Mobile: 94890 56730

Phone: 0422 - 6611302
Fax: 0422 – 2431821
E-mail: pro@tnau.ac.in

To
The Editor,
Sir,

Date: 11.09.2026

I request that the following message may kindly be published in your esteemed daily:

TNAU and Linga Chemicals Join Hands to Develop Plant-Based Bioproduct for Carrot Nematode Management

In a major initiative to promote sustainable crop protection, Tamil Nadu Agricultural University (TNAU) has signed a Memorandum of Agreement (MoA) with M/s. Linga Chemicals, Madurai, to develop and evaluate a plant-based bioproduct for managing root-knot nematodes in carrot cultivation.

The industry–academic collaboration focuses on developing a microemulsion-based bioproduct derived from plant essential oil as an eco-friendly alternative for nematode management. The initiative is aimed at addressing a major constraint in carrot production and developing a cost-effective solution for farmers.

The MoA was signed in the presence of Dr. M. Raveendran, Registrar (i/c) & Acting-Vice-Chancellor TNAU; Ms. M. Shanthi, Director, Centre for Plant Protection Studies (CPPS), TNAU; and Dr. B. Anita, Professor, Department of Nematology, TNAU. Linga Chemicals was represented by Mr. P. Mahalingam, Proprietor, and Mr. B. Muralidharan, Advisor.

As part of the agreement, Linga Chemicals has sanctioned Rs. 6,92,070/- for the project entitled “Development and Bio-efficacy Evaluation of a Plant-Based Nematode Control Bioproduct against Root-Knot Nematode on Carrot.” The project will be led by Dr. N. Seenivasan, Professor, Department of Nematology, TNAU, as Principal Investigator, with Dr. S. Prabhu, Associate Professor, Department of Nematology, and Dr. Sathya Moorthy Pon,

Assistant Professor, Department of Physics, as Co-Investigators. Dr. K. Devrajan, Professor and Head, Department of Nematology monitor the activities of the project.

Root-knot nematodes (*Meloidogyne* spp.) are important soil-borne pests of carrot that cause root malformation and adversely affect yield and quality. Nematode-infested roots may also show reduced carotenoid content and increased vulnerability to secondary infections, further affecting the marketability of the crop.

The collaboration brings together TNAU's scientific expertise and Linga Chemicals' industrial capabilities to develop a practical plant-based nematode management technology. The proposed bioproduct is expected to offer a low-cost, eco-friendly and farmer-friendly approach for managing root-knot nematodes in carrot and contribute to more sustainable vegetable production.

The initiative represents an important step towards translating TNAU research into industry-oriented agricultural technologies and strengthening university–industry collaboration for addressing the emerging crop protection challenges faced by farmers.

Public Relations Officer