

### Faculty Profile Information

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|---|---|---|
| Name  | : | Rajan Salalia   |
| Designation                                 | : | Senior Scientist  |
| Contact Address                             | : | 3/133, J.D.A. housing Colony, Roop Nagar, Jammu<br>180013   |
| E mail                                      | : | rajanjgd@yahoo.co.in  |
| Mobile                                      | : | +919419115830   |
| Professional Experience                     |   | Ph.D. Nematology  |
| Awards/honours/scholarships/fellowships     |   |   |
| Area of specification                       |   | Rice Entomology & Nematology  |
| Research Interests                          |   | Presently working as Rice Entomologist in All India Coordinated Rice Improvement Programme (ICAR), Division of Plant Breeding & Genetics of Sher-E-Kashmir University of Agricultural Sciences & Technology since November 2004. The mandate of my current position involves conduct of experiments/ trials as per the mandate of AICRP on Rice.<br>Besides this I am also Incharge of AICRP on Nematodes in Agriculture as Voluntary centre, SKUAST-Jammu and conducting experiments / trials as per their mandate.  |
| Total no. of Publication (referred journal) |   | 07  |
| Selected Publications<br>(Best five)        |   | <ol style="list-style-type: none"> <li>1. Rajan, S., Siddiqui, A. U., &amp; Aruna, P. (2002). Two new species of Xiphinema Cobb,(Nematoda: Dorylamida) associated with perennials in Udaipur with notes on a known associated species. <i>Indian Journal of Nematology</i>, 32(1), 58-62.</li> <li>2. Thakur, S., Kumar, M. U., Salalia, R. &amp; Walia, R. K. (2015) Studies on a new strain of Pasteuria penetrans infesting rice root-knot nematode <i>Meloidogyne graminicola</i>. <i>Indian Journal of Nematology</i>, 45(2), 129-137</li> <li>3. Salalia, R. &amp; Walia, R. K. (2017) Survival of Rice Root-Knot Nematode, <i>Meloidogyne graminicola</i> Golden &amp; Birchfield Rabi Season Under North Indian Conditions. <i>Indian Journal of Nematology</i>, 47(1), 133-135.</li> <li>4. Salalia, R. &amp; Walia, R. K. (2017) Effect of Soil Texture and Water Regimes on the Pathogenicity of Rice Root-Knot Nematode, <i>Meloidogyne graminicola</i> on Rice. <i>Indian Journal of Nematology</i>, 47(1), 136-138.</li> <li>5. Salalia, R., Walia, R. K., Somvanshi, V. S., Kumar, P., &amp; Kumar, A. (2017) Morphological, Morphometric, and Molecular Characterization of Intraspecific Variations within Indian Populations of <i>Meloidogyne graminicola</i>. <i>Journal of Nematology</i>, 49(3), 254-267</li> </ol> |

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|--|--|---------------------------------------|--------|------|----------------------------|
| No. of books/manuals/Monographs            | 1  |                                       |        |      |                            |
| Research Projects as PI/Nodal officer      | Title  | Funding Agency                        | Period |      | Status (Ongoing/completed) |
|  |  |                                       | from   | To   |                            |
| 1. AICRP Rice<br>2. AICRP (Nematodes)      |  | 1. AICRP Rice<br>2. AICRP (Nematodes) | 1.     | 2003 | Continue                   |
|  |  |                                       | 2.     | 2016 |                            |
| Other achievements if any (please specify) | <ol style="list-style-type: none"> <li>1. Evaluated numerous entries of rice for their reaction against major insect and nematode pests at Chatha (A multi-location centre of AICRP on Rice), management trials, assessment of pest scenario (pest survey &amp; light trap exp) and its intensity.</li> <li>2. Interception of <b>Potato Cyst Nematode (PCN)</b> in high altitudes (&gt; 1200 MSL) area of Jammu region in Nathatop area, Gool, Kandi Buddhal area.</li> <li>3. Developed protocol on management of Nematode infestation under open and protected cultivation for incorporation in the Package of Practices.</li> <li>4. <b>Conserving and sharing germplasm lines of wild rice, <i>Oryza glabberima</i></b> with AICRP on Nematodes in cropping systems that is crucial to the development of resistant variety of rice against rice root knot nematode.</li> </ol> |                                       |        |      |                            |