

## **DEPARTMENT OF PLANT PATHOLOGY**

The Department of Plant Pathology was started in the year 2018, started offering M.Sc. (Ag.) degree programmes for selected specializations. The programme of M.Sc. (Ag) Plant Pathology started since year 2018 and first batch has been passed out in 2020. The passed-out students of the first batch have got admission through ICAR and State Level Ph.D. entrance examination for higher education in different SAUs.

### **Objectives:**

1. To develop competent human resources in the specialized area of Plant Pathology.
2. To conduct research in Plant Pathology in consonance to agricultural needs of the zone, state and country.

### **1. Course offered in B.Sc. (Hons) Agriculture**

<b>Course Code</b>	<b>Title of the Course</b>	<b>Credit Hours</b>	<b>Course content</b>
<b>PPATH-121</b>	<b>Fundamentals of Plant Pathology</b>	<b>4(3+1)</b>	<b>Download</b>
<b>PPATH-311</b>	<b>Principles of Integrated Pest and Disease Management</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH-312</b>	<b>Diseases of Field and Horticultural Crops and their management - I</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH-321</b>	<b>Diseases of Field and Horticultural Crops and their management-II</b>	<b>3(2+1)</b>	<b>Download</b>

### **2. Course offered in M.Sc. (Ag.) Plant Pathology**

<b>Course No.</b>	<b>Title</b>	<b>Credit Hrs.</b>	<b>Course content</b>
<b>PPATH 511*</b>	<b>Mycology</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 512</b>	<b>Detection and Diagnosis of Plant Diseases</b>	<b>3(0+3)</b>	<b>Download</b>
<b>PPATH 513*</b>	<b>Principles of Plant Pathology</b>	<b>3(3+0)</b>	<b>Download</b>
<b>PPATH 521</b>	<b>Diseases of Fruits, Plantation and Ornamental Crops</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 522 *</b>	<b>Plant Bacteriology</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 523</b>	<b>Diseases of Vegetable and Spices Crops</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 531*</b>	<b>Plant Virology</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 532</b>	<b>Principles of Plant Disease Management</b>	<b>3(2+1)</b>	<b>Download</b>
<b>PPATH 533</b>	<b>Diseases of Field and Medicinal Crops</b>	<b>3(2+1)</b>	<b>Download</b>

**PG recognized faculty in Department of Plant Pathology**

<b>S. No.</b>	<b>Name of Scientist</b>	<b>Designation</b>	<b>PG Code</b>	<b>Teaching /Guiding</b>
<b>1.</b>	Dr. C.B. Meena	Assistant Professor	PATH-R-04-26	<b>Teaching &amp; Guiding</b>
<b>2.</b>	Dr. D.L. Yadav	Assistant Professor	PATH-R-03-100	<b>Teaching &amp; Guiding</b>
<b>3.</b>	Sh. Chirag Gautam	Assistant Professor	PATH-R-02-55	<b>Teaching &amp; Guiding</b>

**Instruments/Equipments available in the lab**

<b>S. No.</b>	<b>Instruments / Equipments</b>
<b>1</b>	<b>Laminar air flow</b>
<b>2</b>	<b>BOD incubator</b>
<b>3</b>	<b>Orbital shaking incubator</b>
<b>4</b>	<b>Fluorescence microscopy</b>
<b>5</b>	<b>Stereo microscope</b>
<b>6</b>	<b>Student microscope</b>
<b>7</b>	<b>Hot air oven</b>
<b>8</b>	<b>Steam sterilizer (Autoclave)</b>
<b>9</b>	<b>Refrigerator</b>
<b>10</b>	<b>Deep freezer</b>
<b>11</b>	<b>Colony counter</b>
<b>12</b>	<b>Water purification systems</b>
<b>13</b>	<b>Fermenter</b>
<b>14</b>	<b>Packing machine</b>