PHOTOGRAPHS

Plate-1 Map of India and Chhattisgarh

Plate-2 Map of Durg district representing the five regions
Plate-3. Rice field representing Region 1 (Pulgaon region)

Plate-4. Rice field representing Region 2 (Patan region)
Plate-5. Rice field representing Region 3 (Urla region)

Plate-6. Rice field representing Region 4 (Dhamdha region)
Plate-7 Rice field representing Region 5 (Kumhari region)
Plate-8 Purified Bacterial isolates A-C: *Bacillus* Species
Plate-9 Purified Bacterial Isolates. A-C: *Azotobacter* Species
Plate 10. Purified Bacterial Isolates. A-C: *Pseudomonas* Species
Plate-11 Purified Bacterial Isolates: Fluroscenct *Pseudomonas* species

Plate-12. Purified Bacterial Isolates. *Serratia* Species
Plate-13 Rice Seed Germination Assay treated with different bacterial isolates
A. Gram positive rod bacteria  
B. Gram positive spherical bacteria

C. Gram positive rod bacteria  
D. Gram positive rod bacteria

E. Gram negative spherical bacteria  
F. Gram positive spherical bacteria

Plate-14 Grams Staining of some of the rhizobacterial isolates
Plate-15 Amylase test by some bacterial isolates
Plate-16 Citrate test by some bacterial isolates
Plate-17 Urease test by some bacterial isolates
Plate-18 Indole test by some bacterial isolates
Plate-19  $\text{H}_2\text{S}$ production test by some bacterial isolates

Plate-20  Auxin production test by some bacterial isolates
Plate-21 Auxin production test by some bacterial isolates
Plate-22  Phosphate Solubilization by bacterial isolates
Plate-23 Siberophor Production by bacterial isolates
Plate-24 Effect of different doses of urea on growth of NDPU16
(Pseudomonas aeruginosa)

Plate-25 Effect of different doses of urea on growth of NDPA12 (Brevibacillus parabrevis)
Plate-26 Effect of different doses of urea on growth of NDPA36
*(Bacillus marsflavi)*

Plate-27 Effect of different doses of urea on growth of NDPA41
*(Azotobacter chroococcum)*
Plate-28 Effect of different doses of urea on growth of NDKU1
(Bacillus subtilis)

Plate-29 Effect of different doses of urea on growth of NDKU13
(Brevibacillus brevis)
Plate-30 Growth of NDPU16 (*Pseudomonas aeruginosa*) in solid media with different doses of urea

Plate-31 Growth of NDPA12 (*Brevibacillus parabrevis*) in solid media with different doses of urea
Plate-32 Growth of NDPA36 (*Bacillus marsflavi*) in solid media with different doses of urea

Plate-33 Growth of NDPA41 (*Azotobacter chrococcum*) in solid media with different doses of urea
Plate-34 Growth of NDKU1 (Bacillus subtilis) in solid media with different doses of urea

Plate-35 Growth of NDKU13 (Brevibacillus brevis) in solid media with different doses of urea
Plate-36 Pot trial of NDPU16 (*Pseudomonas aeruginosa*)

Plate-37 Pot trial of NDPA12 (*Brevibacillus parabrevis*)
Plate-38 Pot trial of NDPA36 (*Bacillus marsiiflavi*)

Plate-39 Pot trial of NDPA41 (*Azotobacter chroococcum*)
Plate-40 Pot trial of NDKU1 (Bacillus subtilis)

Plate-41 Pot trial of NDKU13 (Brevibacillus brevis)