

CONTENT

	Page
Foreword	v
Introduction	1
Nitrogen Potential of N ₂ -fixing organisms in ricefields	1
Importance of preserving N ₂ -fixing organisms	2
History of the IRRI Collections	2
Facilities	3
Azolla	5
Identification of accessions	5
Conservation methods	8
Collecting, transporting, and mailing	9
Some characteristics of Azolla strains	10
Blue –green algae	11
Identification of accessions	11
Conservation methods	13
Sending and reviving blue-green algae	14
Some characteristics of blue-green algae strains	15
Aquatic legumes – rhizobia	17
Identification of accessions	17
Conservation methods	17
Sending accessions to IRRI	17
Some Characteristics of the Legume and rhizobia accessions	17
Free-living N ₂ -fixing bacteria	19
Conservation, mailing, and revival	19
The collection	19
References cited	21
Sources of additional information	23
Appendices	27
I Quarantine Requirements	27
II Collections at IRRI	33
III Abbreviations	35
IV Azolla Collection	37
V Blue-green algae collection	53
VI Aquatic legumes collection	61
VII Rhizobia Collection	63
VIII Free-living N ₂ -fixing bacteria collection	65
Acknowledgements	67