

**JOURNAL
OF
THE INDIAN SOCIETY OF COASTAL AGRICULTURAL RESEARCH**

VOLUME 6

JANUARY – JUNE 1988

NUMBER 1

CONTENTS

Ecological studies of the mangrove flora of Bhagabatpur (Sunderbans) A.K. CHAKRABORTI, N.C. BARAL and N.C. CHATTOPADHYAY	1
Cation exchange properties of soil fractions in costal soils D.D. DUBEY and O.P. SHARMA	5
Studies on optimum spacing and nitrogen requirement of high yielding rice in coastal saline soil C.R. BISWAS and B. BHATTACHARYA	15
Economics of coconut production in coastal region of Maharashtra H.I. DALVI H.N. PATIL and S.G. BORUDE	21
Response of common millet (<i>Panicum miliaceum</i> L.) to different levels of nitrogen, phosphorus and plant densities in lateritic soil of coastal Maharashtra S. A. KHANVILKAR, R.G. WAGH, S.B. KADREKAR and S.T. THORAT	29
Agronomic studies on the effect of various inputs on the yield of mustard (<i>Brassica Juncea</i> L.) R.D. DUSANE, S.A. KHANVILKAR and V.M. KARADE	33
Response of cowpea varieties to different levels phosphorus and spacings in lateritic soil of coastal Maharashtra S.R. MAHALDAR, R.G. WAGH and S.T. THORAT	39
A case study on seasonal variation of hydrodynamic parameters in the Bartala river of Hooghly-Matla estuary A. SENGUPTA and A.K. ROY	43
Studies on the fluctuations and abundance of plankton in relation to some important hydrological conditions of a brackishwater fish farm, Kakdwip, West Bengal M.L. BHOWMIK, R.K. CHAKRABORTI and D. SANFUI	53
Seed estimation and abundance of commercially important prawn <i>Penaeus mondon</i> Fabricius and <i>Macrobrachium rosenbergii</i> (De Man) in West Bengal G.C. LAHA, P.B. DAS, H.C. KARMAKAR, AJAY KUMAR GHOSH and S.K. MONDAL	65
Phosphate solubilizing microorganisms in water and sediments of a tropical estuary and the adjacent coastal Arabian Sea in relation to their physico-chemical properties S. BANIK and A. NINAWA	75
A note on rehydration of seeds a storage problem in coastal areas C.R. BISWAS and A.K. BANDYOPADHYAY	87

**JOURNAL
OF
THE INDIAN SOCIETY OF COASTAL AGRICULTURAL RESEARCH**

A note on dry matter accumulation in horsegram as influenced by
nitrogen and phosphorus fertilization
S.V. VERENKAR and S.T. THORAT

91

**JOURNAL
OF
THE INDIAN SOCIETY OF COASTAL AGRICULTURAL RESEARCH**

VOLUME 6

JULY - DECEMBER 1988

NUMBER 2

CONTENTS

Effect of salinity on germination and seedling growth of different rice (Oryza sativa L.) cultivars T.K. MONDAL, A.R. BAL and S. PAL	91
Effect of sulphur and earthing-up on pod yield and quality of groundnut S.A. NITSURE, J.R. RAMTEKE and S.B. KADREKAR	99
Studies on irrigation management for wheat (Triticum aestivum) under coastal saline condition C.R. BISWAS and B. BHATTACHARYA	105
Nature and properties of salt affected soils of Ahmedabad district, Gujarat D.D. DUBEY and O.P. SHARMA	111
Effect of irrigation schedules, phosphorus and biofertilizer on summer mung in coastal Maharashtra V.N. KHADE and B.P. PATIL	117
Effect of irrigation schedules and NPK fertilizers on yield and economics of tomato (var Sonali) under coastal soils of Konkan C.S. PULEKAR and B.P. PATIL	121
Dry matter accumulation pattern in sunflower under varying levels of irrigation, mulch and antitranspirant A.S. JAMBHALE and S.T. THORAT	127
Response of rice (Oryza Sativa L.) variety R-24 to different times of application of nitrogen and plant densities in coastal soils R.G. WAGH and S.T. THORAT	133
Inter-relationships among different physico-chemical characteristics of salt affected soils of Bhal-Nal area (Gujarat) Z.N. PATEL and J.C. PATEL	139
Economic potentialities of tidal mangrove forests of Sunderbans in India KUMUDRANJAN NASKAR	149
Experiment on bi phase culture of Penaeus monodon (Fabricius) for enhancing growth rate M.L. BHOWMIK, R.K. CHAKRABORTI and S.K. MONDAL	159
Sulphate reducing bacteria in south-west coastal aquaculture system of India A. NINAWA and S. BANIK	163

**JOURNAL
OF
THE INDIAN SOCIETY OF COASTAL AGRICULTURAL RESEARCH**

A note on the effect of zinc sulphate on the yield of paddy under
partially reclaimed saline sodic soils
R.M. MACHHI, S. RAMAN and Y.P. LAD

171