



CONTENTS

IDENTIFICATION OF NITROGEN-USE-EFFICIENT AND DEEP ROOTED WHEAT GENOTYPES A. Raza, Z. Ali, M. Imtiaz and W. Mohammad	1
BIOMASS PARTITIONING AND POTASSIUM ACCUMULATION OF FIVE SORGHUM GENOTYPES UNDER DEFICIENT AND ADEQUATE POTASSIUM NUTRITION Zia-ul-hassan, K. K. Oad, N. Talpur and K. H. Talpur	9
SALINE WATER APPLICATION AT VARIOUS GROWTH STAGES OF WHEAT: EFFECT ON IONS CONTENT S. M. Bhatti, I. Rajpar, N. B. Sial and M. I. Keerio	18
PERFORMANCE OF AROMATIC RICE (<i>ORYZA SATIVA</i> L.) VARIETIES AND THEIR F ₁ HYBRIDS UNDER LOWLAND AND UPLAND ENVIRONMENTS A. D. Jarwar and Q. D. Dela Cruz	29
IMPACT OF POTASSIUM ON GROWTH AND YIELD OF BARLEY (<i>HORDEUM VULGARE</i> L.) UNDER WATER DEFICIT CONDITIONS M. N. Kandhro, B. A. Silachi, S. M. Bhatti, N. N. Memon and A. W. Baloch	37
EVALUATION OF THREE <i>JAPONICA</i> AND ONE <i>INDICA</i> RICE VARIETIES FOR YIELD AND YIELD COMPONENTS M. S. Kakar, G. M. Panezai, A. A. K. Barech, M. Saeed and M. M. Khan	46
GROWTH, YIELD AND ROOT DEVELOPMENT OF MAIZE AS INFLUENCED BY TILLAGE AND TRACTOR TRAFFIC A. R. Shah, M. S. Mirjat, A. Q. Mughal, M. Talpur and N. Leghari	53
ANALYSIS OF TRAINING NEEDS OF EXTENSION AGENTS ON CLIMATE CHANGE ISSUES IN ZAMFARA AGRICULTURAL DEVELOPMENT PROJECT (ZADP) NIGERIA L. M. Anka	66
ANALYSIS OF FARMERS' PARTICIPATION FOR WATER MANAGEMENT IN SINDH PROVINCE OF PAKISTAN M. J. Sheikh, M. Redzuan, A. A. Samah, H. Magsi and M. A. Shahwani	75
PREVALENCE OF THEILERIOSIS AND ITS IMPACT ON HAEMOTOLOGICAL VALUES IN NATURALLY INFECTED BUFFALOES AT HYDERABAD M. I. Memon, N. Memon, A. B. Kachiwal, M. R. Memon and B. Bhutto.....	85
IMPACT OF VITAMIN-MINERAL MIXTURE ON OVARIAN RESUMPTION AND POST-PARTUM ANOESTRUS INCIDENCE IN CROSS-BREED (HOLSTEIN FRIESIAN X SAHIWAL) DAIRY COWS A. S. Noonari, M. Naeem, M. Ali and M. S. Waqas	95
EFFECT OF RECOMBINANT BOVINE SOMATOTROPIN TREATMENT ON HEMATOLOGICAL AND SERUM BIOCHEMICAL VARIABLES OF YOUNG KAMORI GOAT M. N. Sanjrani, M. Malhi, A. Arijio, S. A. Shaikh and A. B. Kachiwal	103
INTEGRATED EFFICACY OF BIO-OSS [®] AND DEMINERALIZED BONE MATRIX FOR CRITICAL SIZED ULNA DEFECT HEALING IN A PIGEON (<i>COLUMBA LIVIA</i>) A. N. Tunio and A. Jalila	112
PRODUCTIVE PERFORMANCE OF FEMALE KAMORI GOAT MAINTAINED UNDER SEMI-INTENSIVE MANAGEMENT CONDITIONS H. K. Kunbhar, A. A. Memon, P. Khatri, S. M. Gaisuddin and A. L. Bhutto	123
SHORT COMMUNICATION SURGICAL REMOVAL OF A FIBROADENOMA IN A DOMESTICATED RAT (<i>RATTUS NORVEGICUS</i>). ORIGINAL CASE STUDY I. H. Kathio and A. N. Tunio	132