

# Database on ongoing Scientific Research

(DBOSR)

1995/97

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for NARESA

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## FOREWORD

NARESA initiated the first island wide survey on gathering information on ongoing scientific research in 1991 at a time when the need for such information was felt as a must to avoid duplication. A database was created with a view to update the information bi-annually. The second attempt was made in 1994/95 which was published in 1995. This survey covered almost all the research institutions and universities in the country.

The objective of the task was then widened to facilitate the planners, decision makers and researchers to be aware of what sort of research is being done in different fields.

NARESA as the national focal point for S&T information in the country decided to compile the database on ongoing scientific research. We hope that this would fulfill a felt need, both at national and international level.

The present directory has attempted to publish the information which was gathered in 1996/97 period. The information for this publication was gathered through a questionnaire sent to Government departments, Government Sponsored Research institutions Universities and private institutes engaged in scientific research. However, the coverage can be estimated around 70% due to the inadequate response from the University sector. The research done in the Northern and Eastern provinces were not received due to obvious reasons. Furthermore, the database reports only the institutionalized research efforts. The computer database was created in a such a way that anyone could come to NARESA and search for the information. With the developments in the information technology facilities at NARESA, the data will be made available for retrieval through on-line services. At present information is presented through E-mail and other traditional services.

The comprehensive set of data such as funding agency, budget, objectives, project summary etc. are available in the database but only the basic information is presented in this publication. The categorization of projects into sub fields is based on the objectives given by the investigator.

As we wish to update the database for 1997/98, any criticism and comments on this report will be very useful and highly appreciated.

N.Perera  
W.Amaradasa

## Acknowledgment

We appreciate the direction and continuous monitoring and encouragement given by the Director- General of NARESA to publish the present directory.

We acknowledge with thanks the researchers, and Heads of the Departments/ Research Institutions for sending information to help us to update the national database. We also thank Mrs. C. Fernando for her valuable contribution in editing and categorizing the projects into sub fields.

Finally our thanks are due to Ms D. Fernando, Ms A.Kanthi and Ms H. Priyadharshani, the data entry operators for their untiring efforts in entering and working with the large volume of data.

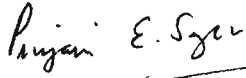
## Preface

NARESA has an obligation to provide the Hon . Minister of Science & Technology and the Scientific Community with the Science & Technology (S&T) Information that has been collected here. It is an important indicator of scientific efforts in the country. However, data collection is not complete because of the difficulty of compliance both in the public & private sectors. Nevertheless, this data has to be appreciated. The least of its value is to prevent duplication of research efforts. On the other hand, there is access to what has been done and recommendations following results achieved. Thus gaps in the knowledge in a particular area can be identified. Hopefully, it is a stimulus to further useful research. The content must be available through all possible channels of modern communications.

The effort expended in producing this publication is therefore a valuable step forward to fulfill the expressed goal by authors.

There have been many requests for this information from NARESA. No doubt this will reach not only the policy makers and the scientific community but also industry with whom linkages must be progressively established and extended.

I commend the members of NARESA staff for their hard work and the valuable advice and stimulation from Ms Clodagh Fernando.



Prof Priyani E. Soysa

Director - General

Natural Resources Energy and Science Authority of Sri Lanka

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# 1 Agricultural Sciences

## 1.1 Agricultural Biology

- 1.1.1 Effect of different light levels on leaf growth of *Peuraria phoscoloides* and beans ( 1994 )  
Ranasinghe, C.S. - CRI  
KEYWORDS: Leaf Growth; Water Relations; Morphology - 0030
- 1.1.2 Evaluation of cardamom for low elevation adaptability ( 1990 )  
Herath, I.H.M.H.B.; Gurusinghe, P.de.A.; Ravindran, A. - DEA  
KEYWORDS: Spices; Hybridization - 0042
- 1.1.3 Developing a agro - forestry system for cardamom cultivation. ( 1990 )  
Herath, I.H.M.H.B.; Gurusinghe, P.de.A. - DEA  
KEYWORDS: Spices; Agro Forestry - 0044
- 1.1.4 Field performance of amputated polybagged seedlings. ( 1989 )  
Nainanayake, A.; Jayasekera, C. - CRI  
KEYWORDS: Seedlings; Plant Growth - 0324
- 1.1.5 Development of suitable cropping systems to increase the productivity of coconut new/replantings in the dry zone. ( 1990 )  
Dassanayake, K.B.; Liyanage, M.De.S. - CRI  
KEYWORDS: Cropping Systems; Coconut Plantings - 0338
- 1.1.6 Bee keeping under coconut ( 1993 )  
Wijsekera, H.T.R.; Rajapakse, C.N.K. - CRI  
KEYWORDS: Bee Keeping; Coconut Palms; Pollination - 1010
- 1.1.7 Premature decline of palms ( 1988 )  
Jayasekera, C. - CRI  
KEYWORDS: Pathogens; Plant Physiology; Coconut Palms - 1013
- 1.1.8 Immature nut fall of coconut ( 1990 )  
Jayasekera, C. - CRI  
KEYWORDS: Pollinating Agents; Climatic Factors; Plant Nutrients; Coconut Palms; Plant Physiology - 1014
- 1.1.9 Increase in coconut production through improved distribution of assimilates and water use efficiency of coconut ( *Cocos nucifera* L. ) ( 1991 )  
Jayasekera, C.; Nainanayake, A. - CRI  
KEYWORDS: Water Use; Photosynthesis; Respiration; Plant Physiology - 1015
- 1.1.10 Physiology of the coconut palm ( 1986 )  
Nainanayake, N.P.A.D. - CRI  
KEYWORDS: Photosynthesis; Water Use; Coconut Palms - 1016
- 1.1.11 Ecological adaptability of pineapple varieties in relation to climate and edaphic parameters. ( 1995 )  
Heenkenda, H.M.S.; Sangakkara, U.R.; Peiris, B.C.N. - PGIA  
KEYWORDS: Fruits; Ecological Adaptability - 2080

- 1.1.12 Bionomics, populaion dynamics and manegement of lace bug damaging black pepper in Sri Lanka ( 1995 )  
Wijayagunasekara, H.N.P.; Ahangama, D. - PGIA - 2082  
KEYWORDS: Spices; Pest Control
- 1.1.13 Characterization of physical properities of coconut soils and studies on the development of coconut roots ( 1993 )  
Vidana Arachchi, L.P. - CRI  
KEYWORDS: Soil Properties; Root Growth; Coconut Palm; Morphological Adaptations; Nutrient uptake - 1036
- 1.1.14 Young budding ( 1991 )  
Seneviratne, P. - RRI  
KEYWORDS: Hevea; Budding - 1042
- 1.1.15 Adaptive research programme in rubber smallholdings. ( 1990 )  
Yogaratnam, N. - RRI  
KEYWORDS: Adaptive Research; Intercropping; Heveas - 1043
- 1.1.16 Effects of multicropping of rubber lands with tea on growth and production of rubber and tea. ( 1990 )  
Yogaratnam, N. - RRI  
KEYWORDS: Productivity; Intercropping; Plant Growth; Heveas; Multicropping - 1044
- 1.1.17 Effect of different sources and rates of P on the performance of coconut seedlings ( 1991 )  
Fernandopulle, M.N. - CRI  
KEYWORDS: Coconut Palms; Seedlings; Nutrients; Fertilizers; Plant Growth - 0029
- 1.1.18 Exploration and collection of genetic resources of fruit crops ( 1993 )  
Samarasinghe, W.L.G. - PGRC  
KEYWORDS: Fruit Crops; Genetic Resources; Germplasm conservation; Genetic Diversity-1046
- 1.1.19 Physiological basis of photosynthesis efficiency and carbon partitioning as sucrose in introduced and a traditional variety of sugarcane ( 1996 )  
Satchithanatham, S.; Bandara, D.C. - PGIA  
KEYWORDS: Sugar cane; Photosynthesis - 2066
- 1.1.20 Development of integrated management strategy for the control of various plant pathogenic species of nematodes causing economic damage to tea. ( 1994 )  
Gananapragasam, N.C. - TRI  
KEYWORDS: Nematodes; Tea Plants; Pest Control - 1090
- 1.1.21 Studies on the ecology and host parasite relationships of plant parasitic nematodes in the different agro - ecological regions. ( 1994 )  
Gananapragasam, N.C. - TRI  
KEYWORDS: Nematodes; Tea Plants; Pest Control - 1091
- 1.1.22 Effect of UV - B radiation on micro - organisms on the tea leaf surface, special reference to exobasidium vexans, causal agent of Blister blight of tea. ( 1994 )  
Gunasekara, T.S. - TRI  
KEYWORDS: Solar Radiation; Ozone Layer; Plant Diseases; Tea Plants; Plant Pathology - 1093

- 1.1.23 Stem and root disease control ( 1994 )  
Balasuriya, A. - TRI  
KEYWORDS: Plant Pathology; Tea plants; Disease resistance - 1094
- 1.1.24 Major wood rots and their control ( 1993 )  
Balasuriya, A. - TRI  
KEYWORDS: Pest Control; Tea Plants - 1097
- 1.1.25 Chemical control of Ambrosia fungus and/or Shot Hole Borer (SHB) beetle. ( 1994 )  
Balasuriya, A. - TRI  
KEYWORDS: Fungicides; Tea Plants; Plant Diseases; Pest Control - 1098
- 1.1.26 Attempts to purify, characterise and study the kinetics of the enzyme peroxidase in the tea flush. (1993 )  
Liyanage, A.C. - TRI  
KEYWORDS: Tea; Quality Beverages - 1099
- 1.1.27 Effect of different levels of phosphorus on the quality of made tea ( 1994 )  
Herath, N.L. - TRI  
KEYWORDS: Tea; Quality Control; Beverages - 1100
- 1.1.28 Effect on different levels of Magnesium ( Mg ) on the quality of made tea . ( 1994 )  
Herath, N.L. - TRI  
KEYWORDS: Tea; Beverages; Quality control - 1101
- 1.1.29 Attempts to purify, characters and study the kinetics of the enzyme polyphen of oxidase ( PPO ) in the tea flush. ( 1993 )  
Herath, N.L. - TRI  
KEYWORDS: Enzymes; Tea; Quality Control; Beverages - 1102
- 1.1.30 Study on nutrient removal by sugarcane ( 1994 )  
Bodhinayake, W.L. - SRI  
KEYWORDS: Sugarcane; Nutrients; Fertilizers - 1117
- 1.1.31 Drought resistance trial ( 1994 )  
Ratnaweera, U. - SRI  
KEYWORDS: Drought Resistance ; Sugercane - 1140
- 1.1.32 Population studies ( 1994 )  
Ratnaweera, U. - SRI  
KEYWORDS: Population Density; Sugarcane; Plant Growth - 1141
- 1.1.33 Continuation of Ryt/92 plant crop ( 1993 )  
Sivanathan, A. - SRI  
KEYWORDS: Sugarcane; Variety Generation - 1142
- 1.1.34 Varietal scaling up ( 1993 )  
Sivanathan, A. - SRI  
KEYWORDS: Sugarcane; Variety Generation - 1143
- 1.1.35 Replicated yield trials RYT/94 ( 1994 )  
Sivanathan, A. - SRI  
KEYWORDS: Variety Generation; Preservation; Sugarcane - 1144

- 1.1.36 Screening of herbicides ( 1993 )  
Witharana, W.R.G. - SRI  
KEYWORDS: Sugarcane; Herbicides - 1148
- 1.1.37 Crop rotation studies in controlling potato ( 1992 )  
Ekanayake, H.M.R.K. - HORDI  
KEYWORDS: Nematodes; Vegetables; Plant Diseases; Tuber Crops - 1180
- 1.1.38 Varietal evaluation of sweet potato to root nematodes ( 1994 )  
Ekanayake, H.M.R.K. - HORDI  
KEYWORDS: Tuber Crops; Nematodes; Vegetables; Plant Diseases - 1181
- 1.1.39 The study of retardation of ripening in banana ( 1994 )  
Suntharalingam, S. - HORDI  
KEYWORDS: Fruits ; Ripening - 1194
- 1.1.40 The determination of maturity indices for mango, banana & avocado ( 1993 )  
Suntharalingam, S. - HORDI  
KEYWORDS: Maturity; Fruits - 1195
- 1.1.41 Live supports for pepper ( 1992 )  
Abeykoon, A.M.D. - DEA  
KEYWORDS: Spices; Productivity; Evaluation - 1511
- 1.1.42 Potassium requirement of banana ( 1994 )  
Pushpakumari, A.S. - HORDI  
KEYWORDS: Fruits; Productivity; Fertilizers; Nutrient Requirements - 1204
- 1.1.43 Leaf potassium status in fruits quality and yield of banana ( 1994 )  
Pushpakumari, A.S. - HORDI  
KEYWORDS: Fruit Quality; Fruits; Productivity - 1205
- 1.1.44 Effect of seed rate and nitrogen level on growth and yield of short age rice under direct sowing irrigated system ( 1994 )  
UOJ- 1652  
KEYWORDS: Cereals ; Productivity; Plant Growth; Plant Physiology-1652
- 1.1.45 An evaluation of the DFFC integrated sericulture development pilot project. ( 1993 )  
Sooriarachchi, N. D. - PGIA  
KEYWORDS: Sericulture - 1251
- 1.1.46 Inoculation of tea nurseries with selected mycorrhizal species ( 1994 )  
Fernando, A.M.A. - PGIA  
KEYWORDS: Tea Plants; Inoculation - 1253
- 1.1.47 Screening of new hevea clones ( 1989 )  
Jayasinghe, C.K. - RRI  
KEYWORDS: Hevea; Disease Resistance - 1303
- 1.1.48 High density planting of rubber ( 1992 )  
Rodrigo, V.H.L. - RRI  
KEYWORDS: Hevea; Productivity - 1327

- 1.1.49 Slow release fertilizers ( 1995 )  
De Silva, K.G. Karnika - RRI  
KEYWORDS: Hevea; Latex; Coir Dust; Fertilizers; Rubber Industry - 1742
- 1.1.50 Investigation of the physiological and biochemical consequences of moisture stress in (*chilli Capsicum annum L. var acuminatum Fingeth*) and their importance in yeild determination ( 1995 )  
Mahendran, S.; Bandara, D.C.; De Costa, W.A.J.M. - PGIA  
KEYWORDS: Capsicus; Moisture Stress - 2069
- 1.1.51 Definition of the fermentation requirements and product quality of high yielding cocoa varieties growth in different locations ( 1993 )  
Senanayake, M. - DEA  
KEYWORDS: Fermentation; Quality Control - 1407
- 1.1.52 Assesment of the protein quality of soybean products ( 1994 )  
Selvaratnam, N. - PGIA  
KEYWORDS: Food Products; Cereals; Quality Control - 1420
- 1.1.53 Somatic hybridization of tomato and chilli to produce a pungent tomato hybrid ( 1994 )  
Vignarajah, J. - PGIA  
KEYWORDS: Capsicum; Hybridization, Vegetables - 1421
- 1.1.54 Spice and beverage crop cultivation with live terrace in sloping lands ( 1993 )  
Sumanasena, H.A. - DEA  
KEYWORDS: Soil Conservation; Mixed Farming; Intercropping, Spices, Crops - 1423
- 1.1.55 Influence of soil moisture regimc on establishment growth and yeild of pepper ( 1992 )  
Sumanasena, H.A. - DEA  
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- 1.1.56 Studies on pruning and training of coffee ( 1987 )  
Sumanasena, H.A. - DEA  
KEYWORDS: Plantations; Prunning - 1426
- 1.1.57 Mulching & fertilizer studies on vanilla ( 1992 )  
Nagappan, M. - DEA  
KEYWORDS: Spices; Fertilizers - 1431
- 1.1.58 Production & evaluation of F1 hybrid of rice with special reference to salt tolerance and high yielding ability ( 1994 )  
Jinadasa, G.A. - PGIA  
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- 1.1.59 A case study on control and management of insecticides in vegetable production in Kandy district of Sri Lanka ( 1994 )  
Jayatilaka, M.W.A.P. - PGIA  
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- 1.1.60 Decomposition productions of coir dust and their effect on growth of winged bean and maize (1994 )  
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- 1.1.61 Control measures for fruit - core tissue deterioration of pineapple (*Ananas comosus cv. mauritius*) under sea - freight' export conditions ( 1994 )  
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- 1.1.62 Occurrence of some beneficial bacteria association roots of finger millet (*Eleusine coracane (L gaertn)*) and their effect on nutrient uptake, growth and yield of finger millet ( 1994 )  
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- 1.1.63 Silk worm bred improvement, production and evaluation of F1 hybrids using diallel design ( 1994 )  
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Ukkubanda, D.M. - PGIA  
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- 1.1.65 To determine the lipoxigenase levels in different clones and the change in lipoxigenase activity during the black tea manufacture (1993 )  
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KEYWORDS: Tea; Enzymes; Beverages - 1504
- 1.1.66 Studies on spacing and cultural requirements of pepper ( 1993 )  
Sumanasena, H.A. - DEA  
KEYWORDS: Soil Conservation; Productivity; Plant Growth; Cropping Systems; Spices - 1510
- 1.1.67 Improvement of farm level storage methods for grain legumes ( 1995 )  
Fernando, M.D. - RPRDC  
KEYWORDS: Grain Storage; Legumes - 1535
- 1.1.68 Research on multipurpose tree species, tree improvement ( 1990 )  
Sangakkara, U.R.; Wickremasinghe, I.P. - UOP  
KEYWORDS: Tree Species; Agroforestry - 1551
- 1.1.69 Germination and storage of jakfruit seeds. ( 1995 )  
Peiris, C.N.; Gunasena, H.P.M. - UOP  
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- 1.1.70 Use of containerized transplants for tomato cultivation ( 1995 )  
Weerakkody, W.A.P. - UOP  
KEYWORDS: Transplants; Fruits - 1554

- 1.1.71 Different methods and duration of rehabilitation of soils during replanting and its effect on soil fertility and growth of young tea ( 1992 )  
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KEYWORDS: Soil Fertility; Replanting; Tea; Plant Growth - 1555
- 1.1.72 Replicated yield trial - ratoon ( 1992 )  
Sivanathan, A.; Basnayake, J. - SRI  
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- 1.1.73 Critical need competition period in cereal - legume intercropping system ( 1994 )  
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- 1.1.74 Completing ability of rhizomatous weeds in coconut nurseries ( 1995 )  
Marambe, B.; Fernando, N. - UOP  
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- 1.1.75 Correlation studies in different crop cycles of sugarcane ( 1995 )  
Weerasinghe, S.K. - SRI  
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- 1.1.76 Cost effective in vitro micro - tuber production for state recommended varieties of potato. ( 1994 )  
Iddagoda, N. - IFS  
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- 1.1.77 Study on the accelerating methods of cane trash degradation. ( 1995 )  
Shanthichandra, W.K.W - SRI  
KEYWORDS: Soil Biology; Mulchings ; Degradation - 1600
- 1.1.78 Characterization of yeast isolates for alcohol products ( 1995 )  
Shanthichandra, W.K.W. - SRI  
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- 1.1.79 Investigation in to vinegar production using molasses ( 1995 )  
Shanthichandra, W.K.W. - SRI  
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- 1.1.80 Screening of genotypes for water stress conditions ( 1995 )  
Wijesuriya, A.; Sanmuganathan, K; Ubayasena, W.L.C.; Basnayake, S. - SRI  
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- 1.1.81 Replicated yield trial ( plant ) ( 1994 )  
Basnayake, J.; Sisira - SRI  
KEYWORDS: Ecology; Variety Evaluation , Sugarcane - 1610
- 1.1.82 Replicated yield trial ( plant ) ( 1994 )  
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- 1.1.83 Drought resistance ( 1995 )  
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- 1.1.84 Weed management ( 1995 )  
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KEYWORDS: Weed Management; Sugarcane; Herbicides - 1615
- 1.1.85 Establishment and maintenance of sugarcane arranging blocks ( 1995 )  
Wijesuriya, A.; Ubayasena, W.L.C.; Basnayake, S. - SRI  
KEYWORDS: Sugarcane; Hybridization - 1616
- 1.1.86 Sugarcane crossing and hybridization programme ( 1995 )  
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- 1.1.87 Establishment and selection of first four stages ( stage I - IV ) of varietal importance improvement( 1995 )  
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- 1.1.88 Isotope techniques for sustainable tea production ( 1993 )  
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- 1.1.89 Up - country live wood termite ( 1990 )  
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- 1.1.90 Isolation, purification and characterisation of invertase from *Woodfordia frutticorsa* ( 1995 )  
Weerasooriya, M.K.B. - UOK  
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- 1.1.91 Characterization of coconut germplasm using isoenzymes ( 1994 )  
Fernando, W.M.U. - CRI  
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- 1.1.92 Studies on the vegetative propagation of coconut ( 1984 )  
Vidana Arachchi, V.R.M. - CRI  
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- 1.1.93 Utilization and management of leguminous trees in coconut lands ( 1995 )  
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KEYWORDS: Legums; Nitrogen Fixation - 1665
- 1.1.94 Studies on effect of root pruning and incorporation of organic manure on leaf scorch decline palms( 1989 )  
Fernando, D. N.; Nainanayake, N.P.A.D. - CRI  
KEYWORDS: Pruning; Manure; Root Formation; Water Absorption; Nutrients; Coconut Palm - 1667
- 1.1.95 Rehabilitation of low yielding coconut plantation ( 1993 )  
Fernando, D. N. - CRI  
KEYWORDS: Pruning; Root Formation; Productivity; Coconut Palm - 1668

- 1.1.96 Rehabilitation low yielding coconut plantations ( 1995 )  
 Gunathilaka, H.A.J.; Fernando, D.N.S. - CRI  
 KEYWORDS: Fertilizers; Coconut Palm; Productivity; Root Formation; Pruning - 1671
- 1.1.97 Assessment of electric fencing for protection from wild boar damage ( 1995 )  
 Seneviratne, J.A.U.T.; Kumarasinghe, N.C. - SRI  
 KEYWORDS: Wild Boar; Sugarcane ; Plant Protection- 1690
- 1.1.98 Biology, Epidemiology & control of *C. quinqueseptatum* ( 1992 )  
 Jayasinghe, C.K.; Wijesundera, R; Fernando, T.H.P.S. - RRI  
 KEYWORDS: Chemical Control ; Hevea - 1729
- 1.1.99 Effect of coconut scale infestations on the yield of coconut ( 1995 )  
 Fernando, P.; - CRI  
 KEYWORDS: Yield; Coconut Palm; Insects - 1736
- 1.1.100 Diseases and disorders of coconut ( 1994 )  
 Wijesekara, H.T.R.; Rajapakse, C.N.K - CRI  
 KEYWORDS: Plant Diseases; Fungal Diseases; Coconut Palm - 1738
- 1.1.101 Role of beneficial fauna in coconut ( 1994 )  
 Wijesekara, H.T.R.; Rajapakse, C - CRI  
 KEYWORDS: Yield; Pollination; Bee Keeping; Coconut Palm - 1745
- 1.1.102 Diversification of vegetation under pinus in the up country intermediate zone ( 1992 )  
 Bandara, K.M.A. - DOF  
 KEYWORDS: Vegetation ; Plant Diversity - 1751
- 1.1.103 Application of synomones emanating from cucuibits in IPM system to control *Leptoglossus australis* ( 1993 )  
 Wickremasinghe, M.G.V. - UOR  
 KEYWORDS: Volatiles - 1810
- 1.1.104 A preliminary investigation of major pest problems on lima bean in low country dry/wet zones in Sri Lanka ( 1996 )  
 Bogahawatte, C.N.L. - UOR  
 KEYWORDS: Vegetables; Pests - 1811
- 1.1.105 A study of some biochemical changes associated with internal browning in two local pineapple cultivars ( 1996 )  
 Dharmasiri, S.; Adikaram, N.K.B. - UOP  
 KEYWORDS: Biochemical Changes; Fruits - 1814
- 1.1.106 Investigation on the mechanism of aflatoxin accumulation cultures of *Aspergillus falvus* and the toxicity of aflatoxin silicca mixtures on rodents ( 1995 )  
 Arsecularatne, S.N.; Samarajeewa, U. - UOP  
 KEYWORDS: Aflatoxin; Fungi - 1886
- 1.1.107 Integrated studies on biodiversity and water quality in irrigated rice field ecosystems. (1995 )  
 Priyantha, N.; Edirisinghe, J.P.; Wijekoon, S. - UOP  
 KEYWORDS: Biodiversity; Water quality; Paddy - 1912

- 1.1.108 Improvement of integrated pest management in rice based on understanding biology and population ecology of paddy bug *Leptocoriza oratorius* ( 1995 )  
Nugaliyadde, L.; Edirisinghe, J. - RRDI - UOP  
KEYWORDS: Cereals; Pest Management; Paddy; Insects - 1974
- 1.1.109 Impact of droughts on rainfed crops in the Hambantota District ( 1996 )  
Rathnayake, M. - UOR  
KEYWORDS: Crops - 2026
- 1.1.110 Increasing rice yield through improved soil microbiological activities ( 1995 )  
Seneviratne, G.; Rizvi, E.M.J.M. - IFS  
KEYWORDS: Yield; Soil Microbiology ;Sereals - 2032
- 1.1.111 Pre and post-harvest treatments and their effects on keeping quality of pineapple under cold storage conditions ( 1995 )  
Selvarajah, S. - PGIA  
KEYWORDS: Fruits; Post Harvest Technologyt - 2068
- 1.1.112 Developing a biocontrol method to protect coconut products from toxigenic fungi using edible microorganisms ( 1996 )  
Karunaratne, A.M. - UOP  
KEYWORDS: Biological Methods; Coconut Products - 2033
- 1.2 Agricultural Chemistry
- 1.2.1 Effects of phosphorus on the performance of coconut seedlings ( 1991 )  
Fernandopulle, M.N. - CRI  
KEYWORDS: Coconut Seedlings; Productivity; Fertilizers - 1660
- 1.2.2 Evaluation of different fertilizer application techniques on yield of coconut - axil feeding of coconut ( 1994 )  
Fernandopulle, M.N. - CRI  
KEYWORDS: Coconut Palm; Fertilizer; Feeding - 0002
- 1.2.3 Studies on fertilizer use of coconuts ( 1993 )  
Fernando, D.N. - CRI  
KEYWORDS: Fertilizers; Localized Application; Coconut Palm - 1664
- 1.2.4 Effect of chloride on yield of coconut (1994)  
Somasiri, L.W. - CRI  
KEYWORDS: Coconut Palm; Nutrients; Productivity - 0014
- 1.2.5 Studies on the localized application of fertilizer in coconut (1990)  
Tennakoon, N.A.; Fernandopulle, M.N.; Somasiri, L.W.; Vidana Arachchi, L.P. - CRI  
KEYWORDS: Coconut Palms; Fertilizer; Biological Localization - 0016

- 1.2.6 Compression set behaviour of rubber vulcanization ( 1993 )  
Silva, S.M.C.E. - RRI  
KEYWORDS: Hevea; Vulcanization - 1039
- 1.2.7 Studies on the fertilizer use ( 1993 )  
Fernando, D.N.S. - CRI  
KEYWORDS: Coconut Palm; Fertilizers; Nutrients - 1041
- 1.2.8 Preliminary investigation of sugarcane trash handling ( 1994 )  
Rajapakse, T.B.J. - SRI  
KEYWORDS: Sugarcane; Agricultural Wastes - 1122
- 1.2.9 Atrazine evaluation component ( 1993 )  
Witharana, W.R.G. - SRI  
KEYWORDS: Sugarcane - 1150
- 1.2.10 Fertilizer studies on pepper ( 1985 )  
Gunaratne, W.D.L. - DEA  
KEYWORDS: Fertilizers; Spices - 1413
- 1.2.11 Evaluation of *Gliricidia* loppings as a source of green manure for coffee ( 1991 )  
Gunaratne, W.D.L.; Heenkenda, A.P. - DEA  
KEYWORDS: Manure - 1415
- 1.2.12 Fertilizer studies on cocoa ( 1992 )  
Gunaratne, W.D.L.; Heenkenda, A.P. - DEA  
KEYWORDS: Nutrients; Fertilizers; Productivity - 1416
- 1.2.13 Fertilizer studies - coffee ( 1985 )  
Gunaratne, W.D.L. - DEA  
KEYWORDS: Fertilizers; Nutrients - 1417
- 1.2.14 Effect of N and K<sub>2</sub>O on growth and yield of arabica coffee. ( 1989 )  
Gunaratne, W.D.L. - DEA  
KEYWORDS: Fertilizers; Plant Growth; Productivity - 1418
- 1.2.15 Further geochemical and agrochemical studies on selectively mined apatite and Muthurajawela peat treated apatite with a view to develop soluble phosphate fertilizers from Eppawela. Sri Lanka ( 1988 )  
Dahanayake, K.; Senaratne, A.; Kumaragamage, D. - IFS  
KEYWORDS: Fertilizers - 1580
- 1.2.16 Estimation of the decomposition rate of different kinds of organic manures and nutrient availability to the coconut palm ( 1995 )  
Tennakoon, A. - CRI  
KEYWORDS: Manure; Decomposition; Nutrients; Soil Microorganisms; Coconut Palm - 1653
- 1.2.17 Evaluation of the effect of common salt as organic manure decomposition ( 1995 )  
Tennakoon, A. - CRI  
KEYWORDS: Decomposition; Manure; Coconut Palm; Salt - 1654

- 1.2.18 Evaluation of the effects of application of poultry manure to coconut palm ( 1995 )  
Tennakoon, A. - CRI  
KEYWORDS: Manure; Coconut Palm - 1655
- 1.2.19 Evaluation of different fertilizer application techniques on the yield of coconut ( 1995 )  
Tennakoon, A. - CRI  
KEYWORDS: Fertilizer Application Tehniques; Coconut Palm; Productivity - 1656
- 1.2.20 Study of the microbiological and other related properties of different coconut soils and the assesment of their changes after amendation with organic manure ( 1995 )  
Tennakoon, A. - CRI  
KEYWORDS: Soil Microorganisms ; Soil Microbiology ; Soil Properties; Manure; Coconut Palm - 1657
- 1.2.21 Formulation of suitable fertilizer recommendation for king coconut and tapping palms. ( 1995 )  
Fernandopulle, M.N. - CRI  
KEYWORDS: King Coconut; Tapping Palms; Nutrients; Fertilizers; Coconut Palm - 1659
- 1.3 Agricultural Economics**
- 1.3.1 Nutrient recycling as a measure of fertilizer economy ( 1990 )  
Samarappuli, L.N. - RRI  
KEYWORDS: Hevea; Soil Fertility; Nutrients - 1300
- 1.3.2 Field staff of the Department of Wild Life Conservation:their role, perceptions, performances and training needs ( 1994 )  
Perera, M.M.W.D.S. - PGIA  
KEYWORDS: Agricultural Extension - 1452
- 1.3.3 Productive efficiency of Present farmers of Walapane:a study in Yatimadura ( 1994 )  
Warnakulasooriya, H.U. - PGIA  
KEYWORDS: Agricultural Production - 1456
- 1.3.4 Sugarcane importation and quarantine ( 1995 )  
Shanthichandra, W.K.W. - SRI  
KEYWORDS: Quarantine; Plant Protection; Sugarcane - 1601
- 1.3.5 Adaptive research trials on coconut based cropping/farming systems ( 1994 )  
Gunathilaka, H.A.J.; Fernando, M.T.N. - CRI  
KEYWORDS: Adaptive Research; Intercropping; Farming Systems; Productivity - 1666
- 1.3.6 Improving the production of tea ( 1994 )  
Samuel, T.D.M.A. - TRI  
KEYWORDS: Tea Quality; Yield; Drying; Solar Energy; Productivity - 1763
- 1.3.7 Future direction of rubber wood industry in Sri Lanka:supply and demand, technology constraints and investment opportunities ( 1996 )  
Samarappuli, L.N.; Tilakaratne, L.M.K.; De Silva, K.G. Karnika - RRI  
KEYWORDS: Hevea; Wood Industry - 1981

- 1.3.8 Impact of structural adjustment programs on Sri Lankan agriculture ( 1995 )  
Sivrajah, P.; Jogaratna, T.; Abeyratne, F. - PGIA  
KEYWORDS: Structural Adjustments - 2070
- 1.3.9 Management regimes for two provenances of *Acacia auriculiformis* ( 1991 )  
Bandara, K.M.A. - DOF  
KEYWORDS: Prunning; Biomass - 1753
- 1.3.10 The development and evaluation of two self learning modules in Agricultural Engineering for diploma level students ( 1994 )  
Ariyasinghe, M.A. - PGIA  
KEYWORDS: Agricultural Education; Agricultural Technology - 1447
- 1.3.11 Profitability of milk production system in the dry, intermediate-dry and wet - zone districts of Sri Lanka ( 1994 )  
Daniel, S.L.A. - PGIA  
KEYWORDS: Milk Products - 1448
- 1.3.12 Non formal education in human resource development in Sri Lanka ( 1994 )  
Ekanayake, S.B. - PGIA  
KEYWORDS: Education; Resosurce Development; Human Resources - 1449
- 1.3.13 Impact assessment of farmer training in integrated pest management in Mahawaeli System " C " area ( 1994 )  
Gunaratne Banda, R.M. - PGIA  
KEYWORDS: Agricultural Education; Impact Assesment; Pest control - 1450
- 1.3.14 Extension communication and tea small holder - a Sri Lanka study ( 1994 )  
Mahaliyanarachchi, R.P. - PGIA  
KEYWORDS: Tea , Communication - 1451
- 1.3.15 Evaluation of agricultural projects in Sri Lanka ( 1994 )  
Rafeek, M.I.M. - PGIA  
KEYWORDS: Agricultural Projects; Evaluation - 1453
- 1.3.16 Economics of milk production in the Nuwara Eliya District ( 1994 )  
Selvanathan, K. - PGIA  
KEYWORDS: Milk Products - 1454
- 1.3.17 Effect of exchange rate changes on agriculture in Sri Lanka ( 1994 )  
Sivarajasingham, S. - PGIA  
KEYWORDS: Agricultural Prices - 1455

## 1.4 Agricultural Engineering

- 1.4.1 Supplementary irrigation for rainfed sugarcane. ( 1994 )  
Sanmuganathan - SRI  
KEYWORDS: Sugarcane; Irrigation - 1125
- 1.4.2 Effect of irrigation on fruit cracking in tomato ( 1994 )  
Pararajasingham, N. - HORDI  
KEYWORDS: Vegetables; Productivity; Irrigation - 1233
- 1.4.3 Effect of irrigation on pod and seed filling in vegetables - cowpea ( 1994 )  
Pararajasingham, N. - HORDI  
KEYWORDS: Irrigation; Productivity; Vegetables; Cereals - 1234
- 1.4.4 Study on increased reliability and flexibility of irrigation water supply to promote year round cultivation ( 1994 )  
Bandara, N- PGIA  
KEYWORDS: Agriculture; Irrigation; Water Supply - 1457
- 1.4.5 Effect of cycled flow of water on the advance rate of beds in basin irrigation method ( 1994 )  
Booso, T.A. - PGIA  
KEYWORDS: Irrigation; Agriculture; Water Supply - 1458
- 1.4.6 Feasibility of polythene mulching for moisture conservation and weed control of chillies in the dry zone  
Jayasinghe, A.P.R. - PGIA  
KEYWORDS: Weed Control; Capsicum; Humidity - 1460
- 1.4.7 Field evaluation of soil hydraulic property changes and irrigation efficiency caused by sugar water application for furrows on reddish brown earth in Sri Lanka ( 1994 )  
Jayatilaka, A. - PGIA  
KEYWORDS: Irrigation; Properties; Soils; Water Supply - 1461
- 1.4.8 Study of drainage problems in the Sevanagala sugarcane land ( 1994 )  
Katulanda, B.W. - PGIA  
KEYWORDS: Sugarcane; Drainage - 1462
- 1.4.9 Prediction of soil compaction from cone indices and moisture content data ( 1994 )  
Manokarajah, K. - PGIA  
KEYWORDS: Humidity; Soils - 1463
- 1.4.10 Water balance study of minor tank ( 1994 )  
Nawaratne, W.M. - PGIA  
KEYWORDS: Water Supply - 1464
- 1.4.11 Development & testing of a soil moisture deficit indicator for irrigation scheduling ( 1994 )  
Palitha, W. - PGIA  
KEYWORDS: Irrigation; Humidity; Soils - 1465

- 1.4.12 Investigation of ground water to alleviate drought experienced in the low country wet zone ( 1994 )  
Stanley, W.D.L. - PGIA  
KEYWORDS: Ground Water; Droughts - 1467
- 1.4.13 Evaluation of Stanford and Xianjiang watershed models for upper Mahaweli catchment area (1994 )  
Thayalan, K. - PGIA  
KEYWORDS: Watersheds; - 1468
- 1.4.14 Large mill testing ( 1994 )  
Sivanathan, A.; Basnayake, J. - SRI  
KEYWORDS: Sugarcane; Genotype - 1612
- 1.4.15 Design a suitable drip irrigation system for coconut plantations ( 1995 )  
Vidana Arachchi, L.P. - CRI  
KEYWORDS: Coconut Palm; Water Requirement; Productivity; Moisture Conservation - 1658
- 1.4.16 Evaluation of water use efficiency in the two varieties of sugarcane CO 775, SL 8306 grown under irrigated and rainfed conditions ( 1994 )  
Sanmuganathan, K.; Rajapakse, T.B.J.; Dissanayake, D.M.P. - SRI  
KEYWORDS: Water Use; Sugarcane - 1693
- 1.4.17 Improvements on biogas digestion manufacturing of bio fertilizer ( 1996 )  
NERD - NERD  
KEYWORDS: Fertilizers; Manufacturing; Biogas Digestion; Anaerobic Digestion - 1712
- 1.4.18 Irrigation scheduling for critical drought periods to Pelawatta sugar catchment based on past rainfall data ( 1995 )  
Mikunthan, T.; Gunasekera, K.G.A. - PGIA  
KEYWORDS: Statistics; Sugarcane - 2071
- 1.5 Agricultural Technology**
- 1.5.1 Development of land preparation techniques for sugarcane cultivation in RBE soil. ( 1994 )  
Rajapakse, T.B.J. - SRI  
KEYWORDS: Sugarcane; Land Use - 1121
- 1.5.2 Development of appropriate farm implements for small scale sugarcane farming in Sri Lanka. ( 1992 )  
Dissanayake, D.M.P. - SRI  
KEYWORDS: Sugarcane; Cultivation Techniques - 1124
- 1.5.3 Evaluation of the status of the adoption of Spices processing technology by small scale processors ( 1993 )  
Siriwardane, T.D.W. - HORDI  
KEYWORDS: Cereals; Processing - 1239
- 1.5.4 Evaluation of the solar dryer for pepper drying ( 1994 )  
Prematilaka, S.P. - DEA  
KEYWORDS: Solar Energy; Seasonings; Quality control - 1347

- 1.5.5 Farming systems research relating to draught animal power ( 1993 )  
Alwis, P.L.A.G. - UOR  
KEYWORDS: Farming Systems; Land Use; Agricultural Technology - 1385
- 1.5.6 Evaluation of the solar dryer for coffee drying ( 1994 )  
Prematilaka, S.P. - DEA  
KEYWORDS: Dryers; Solar Energy; Quality Control - 1392
- 1.5.7 Evaluation of the cardamom dryer for pepper drying ( 1993 )  
Prematilaka, S.P. - DEA  
KEYWORDS: Spices; Drying - 1394
- 1.5.8 Design of a drier for minor export crops ( 1994 )  
Gurusinghe, H.G.D. - PGIA  
KEYWORDS: Crops; Drying; Machinery - 1459
- 1.5.9 Design and testing of a suitable implement to a two wheel tractor to carry out simultaneously the combined operation of reaping and threshing paddy and ploughing the field ( 1994 )  
Peiris, R.T.C. - PGIA  
KEYWORDS: Rice; Agricultural Equipment - 1466
- 1.5.10 Development of a methodology for manufacturing instant fried rice. ( 1995 )  
Dissanayake, D.M.C.; Palipane, K.B.; Fernando, M.D. - RPRDC  
KEYWORDS: Instant Food; Rice Products - 1537
- 1.5.11 Evaluation of SRI developed cane harvesting knife ( 1995 )  
Rajapakse, T.B.J.; Dissanayake, D.M.P - SRI  
KEYWORDS: Harvesting; Sugarcane; Tools - 1692
- 1.5.12 Testing of two wheel tractor mounted implements for intercultivation and fertilizer application (1995 )  
Dissanayake, D.M.P.; Rajapakse, T.B.J.; Sanmuganathan, K. - SRI  
KEYWORDS: Agricultural Equipments; Fertilizers; Intercropping - 1695
- 1.5.13 Production of board from agro waste ( 1996 )  
Adhikarinayake, T.B.; Fernando, P.A.S. - NERD  
KEYWORDS: Agro Wastes - 1703
- 1.5.14 Development of a manual press for urea vitamin brick for buffaloes ( 1995 )  
Adhikarinayake, T.B. - NERD  
KEYWORDS: Mineral Bricks; Buffaloes - 1705
- 1.5.15 Extendable coconut plucking pole ( 1996 )  
Adhikarinayake, T.B.; - NERD  
KEYWORDS: Coconuts; Tools- 1706

- 1.5.16 Paddy husk feeder ( 1995 )  
Adhikarinayake, T.B. - NERD  
KEYWORDS: Husk Blower - 1707
- 1.5.17 Cashew drier ( 1995 )  
NERD - NERD  
KEYWORDS: Dryers; Machinery - 1708
- 1.5.18 Tobacco Leaf Research: fuel usage in tobacco curing ( 1975 )  
Leaf Research Manager - CTC  
KEYWORDS: Tobacco; Pesticides; Pest Control; Disease control - 1761

## 1.6 Agroclimatology

- 1.6.1 Studies on water balance of coconut under different soil landscapes, agro - climates and management practices ( 1992 )  
Vidana Arachchi, L.P. - CRI  
KEYWORDS: Water Balance; Coconut Palm; Root Absorption; Agroclimatic Conditions - 0004
- 1.6.2 Production of improved planting material suited to different agro - ecological regions ( 1984 )  
Peiris, R.R.A. - CRI  
KEYWORDS: Coconut Palm - 0006
- 1.6.3 Modelling of climatic factors on yield ( 1996 )  
Peiris, T.S.G.; Thattil, R.O. - CRI  
KEYWORDS: Climatology; Climatic Analysis; Environmental Factors - 0033
- 1.6.4 Study on N, P & K requirement for sugarcane under different agro climatic conditions. ( 1994 )  
Bodhinayake, W.L. - SRI  
KEYWORDS: Fertilizers; Sugarcane; Nutrients - 1116
- 1.6.5 Evaluation of rice varieties for different agro - ecological zones ( based on secondary data from different Institutes ) ( 1995 )  
Thattil, R.O.; Marabe, B.i - UOP  
KEYWORDS: Rice Varieties; Cereals - 1570
- 1.6.6 Analysis of rainfall in coconut growing areas ( 1996 )  
Peiris, T.S.G.; Mathes, D.T. - CRI  
KEYWORDS: Coconut Palms; Climatic analysis - 0032

## 1.7 Agronomy

- 1.7.1 Adaptive research trials on coconut based cropping/farming systems. ( 1994 )  
Gunathilaka, H.A.J. - CRI  
KEYWORDS: Productivity; Coconut Palm; Cultivation Techniques; Farming Systems - 1019
- 1.7.2 Agronomic practices to overcome moisture deficit situations. ( 1984 )  
Samarappuli, L.N. - RRI  
KEYWORDS: Manures; Agronomy - 1297
- 1.7.3 Evaluation of the performance of hevea clones under soil moisture difficult situations. ( 1988 )  
Samarappuli, L. - RRI  
KEYWORDS: Hevea; Humidity - 1299
- 1.7.4 Screening of sweet potato genotypes under different rice fallow systems ( 1991 )  
De Silva, K.P.N. - HORDI  
KEYWORDS: Productivity; Cerials; Breeding - 1361
- 1.7.5 Studies on the effect of different pruning methods on cucumber fruit set ( 1993 )  
Palamacumbura, A. - HORDI/DOA  
KEYWORDS: Productivity; Vegetables - 1374
- 1.7.6 Spacing studies of coffee Catimore ( 1991 )  
Sumanasena, H.A. - DEA  
KEYWORDS: Coffee; Plant Growth; Productivity - 1424
- 1.7.7 Productivity patterns of rice based cropping systems in relation to green manure application (1994 )  
Bandara, K.M.C. - PGIA  
KEYWORDS: Cereals; Manure; Productivity; Cropping systems - 1474
- 1.7.8 Use of double haploid methodology for the improvement of rice for multiple soil stress factors (1996 )  
Serasinghe, P.S.J.W.; Pathirana, R. - UOR  
KEYWORDS: Cerials; oil Stress - 1979

## 1.8 Biodiversity

- 1.8.1 Biodiversity of medicinal and other tree species in the Huruluwewa watershed. ( 1994 )  
Peiris, C.N.; Amarasinghe, A.A.Y. - UOP  
KEYWORDS: Medicinal Plants; Tree Species; Morphology; Genetics; Reservoirs - 1550

## 1.9 Biometry

- 1.9.1 Application of biometry in coconut research ( 1994 )  
Mathes, D.T. - CRI  
KEYWORDS: Harvesting; Seasonal Variations; Environmental Factors; Nutfall; Meteorology - 1009

- 1.9.2 Evaluation of the accuracy of presently used sampling techniques to estimate sugar qualities of harvested sugarcane ( at the factory ) ( 1994 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Sugarcane; Quality Control - 1108
- 1.9.3 Correlation studies in sugar and cane yields of different varieties from plant to ratoon crop cycles. ( 1994 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Applied Statistics; Sugarcane; Productivity - 1109
- 1.9.4 Determination of appropriate plot sizes for situation stages II 111 IV & V ( 1994 )  
Wijesuriya, A. - SRI  
KEYWORDS: Sugarcane - 1120
- 1.9.5 Biometrical analysis of important traits for identification of strains of *Apis cerana* in Sri Lanka (1994 )  
Epakande, I.N.K. - PGIA  
KEYWORDS: Pests - 1436
- 1.9.6 Determination of appropriate plot sizes for selection stages II - V ( 1994 )  
Wijesuriya, A.; Ubayasena, W.L.C. - SRI  
KEYWORDS: Sugarcane - 1633
- 1.9.7 Biometrical analysis of intercropping. ( 1995 )  
Sivachandiran, S.; Thattil,R.O. ; Samitha, S. - PGIA  
KEYWORDS: Intercropping - 2074
- 1.9.8 Probability distribution of disease incidence and spatial spread of chillie leaf curl in the dry zone. ( 1995 )  
Gunaratne, B.N. ; Thattil, R.O. ; Samitha,S. - PGIA  
KEYWORDS: Chillie; Plant Pathology - 2075
- 1.10 Crop Science
- 1.10.1 The effect of organic matter, time of incorporation and application of nitrogen on the overall performance of cowpea ( *Vigna unguiculata Walp* ) ( 1994 )  
Amarasena, D. - PGIA  
KEYWORDS: Vigna; Organic Matter; Cerals - 1472
- 1.10.2 Identification of plant character associated with high water use efficiency in some selected legumes (1994 )  
Atukorala, W.D. - PGIA  
KEYWORDS: Legums; Taxonomy; - 1473
- 1.10.3. Study of the efficacy of several seed vigour tests of local rice and two corn varieties. ( 1994 )  
Chandrasena, G.M. - PGIA  
KEYWORDS: Cereals; Seeds - 1475

- 1.10.4 Study of the morphological and physiological characters associated with grain formation of rice (1994 )  
Dayananda, H.D. - PGIA  
KEYWORDS: Rice Cereals; Morphology; Physiology - 1476
- 1.10.5 Study of biology and economical management of the Ludwigia in low country wet zone paddy cultivation (1994 )  
Dharmaratne, P.G. - PGIA  
KEYWORDS: Cereals; Agricultural Economics; Agricultural Management - 1477
- 1.10.6 Evaluation of two rapid multiplication techniques for yams of Sri Lanka ( 1994 )  
Dissanayake, D.A.P. - PGIA  
KEYWORDS: Evaluation; Yams - 1478
- 1.10.7 Identification of mung bean ( *Vigna radiata* ( L ) *Wilczek* ), cowpea ( *Vigna unguiculata* ( L ) Walp and soybean ( *Glycine max* ( L ) *Merrill* ) cultivars using starch gel electrophoresis and morphological characters ( 1994 )  
Easwara, J.P. - PGIA  
KEYWORDS: Morphology; Cereals; Identification - 1479
- 1.10.8 Studies on seed viability and germination of forest tree species common to mid - elevation of Sri Lanka ( 1994 )  
Gajaweera, R. - PGIA  
KEYWORDS: Seeds; Germination - 1480
- 1.10.9 Integration of tree legumes in cropping systems in the intermediate zone of Sri Lanka ( 1994 )  
Hitinayake, H.M.G.S.B. - PGIA  
KEYWORDS: Cropping Systems; Leguminosae - 1481
- 1.10.10 Studies on the practice and productivity of different rice-based farming systems in the mid - country (1994 )  
Karunanandarajah, S. - PGIA  
KEYWORDS: Farming systems; Cereals - 1482
- 1.10.11 Effect of straw mulch, farm yard manure and nitrogen fertilizer of growth and yield parameters of *Colocasia esculenta* ( 1994 )  
Jayasuriya, Y.D. - PGIA  
KEYWORDS: Plant Growth; Manure; Fertilizers; Productivity - 1483
- 1.10.12 Study on some problematic broad leaved weed species and their effects on the growth of tea in high and mid elevation tea growing areas in Sri Lanka ( 1994 )  
Lakshmi Menike, M.S.D. - PGIA  
KEYWORDS: Tea; Plant Growth; Weed - 1484
- 1.10.13 Population studies in pigeon pea ( 1994 )  
Pararajasingham, N. - PGIA  
KEYWORDS: Cereals - 1485
- 1.10.14 A comparative study of rapid propagation techniques of pepper ( *Piper nigrum* ) ( 1994 )  
Premakumara, K.V.S. - PGIA  
KEYWORDS: Spices; Vegetative Propagation; Propagation Techniques - 1487

- 1.10.15 Effect of different commodity treatments and storage conditions on postharvest life of Okra ( 1994 )  
Ratnapala, R.G.S. - PGIA  
KEYWORDS: Food Storage - 1488
- 1.10.16 Effect of quality of nitrogen and its percentage in the form of nitrate on the quality and yield of flue cured tobacco ( 1994 )  
Samarawecera, B.D. - PGIA  
KEYWORDS: Tobacco; Productivity; Quality Assurance - 1489
- 1.10.17 Pasture forage crops and animal production ( 1995 )  
Fernando, D.N. - CRI  
KEYWORDS: Animal Production; Forage Crops - 1635
- 1.10.18 Effect of different methods of management practices on the performances of cover crops and their effects on coconut yield ( 1987 )  
Fernando, D.N. - CRI  
KEYWORDS: Management Practices; Coconut; Yield; Cover Crops; Legums - 1636
- 1.10.19 Substitution of inorganic nitrogen for coconut palms with two different source of organic matter (1991 )  
Fernando, D.N. - CRI  
KEYWORDS: Fertilizers; Coconut Palms; Organic Matter; Cowdung; Manure - 1637
- 1.10.20 Evaluation of land preparation techniques using combination of four wheel tractors and implements (1994 )  
Dissanayake, D.M.P.; Rajapakse, T.B.J.; Sanmuganathan, K. - SRI  
KEYWORDS: Sugarcane; Land Preparation; Agricultural Equipment - 1694
- 1.10.21 Growth of selected cereals as affected by ecological conditions and crop management in relation to morphology. ( 1995 )  
Hettiarachchi, H.A.K.; Sangakkara, U.R.; - PGIA  
KEYWORDS: Cereals; Crop Management - 2077
- 1.10.22 Quality parameters, and utilization of ground nut ( 1993 )  
Siriwardane, T.D.W. - HORDI  
KEYWORDS: Grains; Quality Control - 1240
- 1.10.23 Dry zone species ( 1992 )  
Bandara, G.D. - DOF  
KEYWORDS: Plant Resources; Species Diversity; Land Reclamation - 1263
- 1.10.24 Pesticides residue analysis in fruits, vegetables and storage products. ( 1992 )  
Wettasinghe, A. - HORDI  
KEYWORDS: Pesticides; Crops - 1278
- 1.10.25 Rehabilitation of low yielding plantation. ( 1984 )  
Fernando, D.N.S. - CRI  
KEYWORDS: Coconut Plams; Root Formation; Productivity - 1281

- 1.10.26 Wet zone species establishment trial ( 1993 )  
Tilakaratne, D. - DOF  
KEYWORDS: Species Diversity; Tree Planting; Species Establishments - 1314
- 1.10.27 Development of cropping systems to increase cropping intensity under two village tanks in dry & semi-dry zones in Sri Lanka. ( 1995 )  
Karunasena, K.G.J. ; Marambe, B.; Sangakkara, U.R. - PGIA  
KEYWORDS: Crop Management - 2078
- 1.10.28 Environmental manipulation: a strategy to assure yield stability and the export quality of tomato grown during the rainy season ( 1995 )  
Weerakkody, W.A.P.; Peiris, B.C.N. - UOP  
KEYWORDS: Fruits; Yield; Export Quality - 1980
- 1.10.29 Induced mutations for the improvement of yield adaptability and quality of aromatic rice ( 1996 )  
Pathirana, R.; Pathirana, R.N. - UOR  
KEYWORDS: Rice; Mutations - 1982
- 1.10.30 Modified atmospheric storage and its effect on biochemical changes of banana, avocado, pineapple and mango ( 1996 )  
Illeperuma, D.C.K.; Peiris, B.C.N.; Wijeratne, D.B.T. - UOP - HORDI  
KEYWORDS: Fruits; Fruit Storage - 1983
- 1.11 Genetics & Cell Biology
- 1.11.1 Cardamom breeding programme ( 1989 )  
Herath, I.H.M.H.B.; Gurusinghe, P.de.A. - DEA  
KEYWORDS: Spices; Breeding - 0041
- 1.11.2 Elimination of *Colletot nichum gleo* sporioides from mango planting stock ( 1994 )  
Alahakoon, P.W. - HORDI  
KEYWORDS: Fruits; Fungal Diseases; Tissue culture - 1198
- 1.11.3 Improved productivity of man made forests through application of technological advancements in tree breedings and propagation ( 1994 )  
Tilakaratne, D. - DOF  
KEYWORDS: Genetics; Forests - 1315
- 1.11.4 Production of inbred lines of rice and testing predictions ( 1994 )  
Kalpage, S.R. - PGIA  
KEYWORDS: Cerials; Rice  
Production - 1439
- 1.11.5 Production and evaluation of rice hybrids using traditional varieties and predicting the performance of recombinant inbred lines, with special reference to seed quality characters ( 1994 )  
Sooriyakula - PGIA  
KEYWORDS: Cerials; Rice Hybradisation; Rice Production - 1444

- 1.11.6 Evaluation of progenies from biparental crosses to establish selection indices for stable characteristics in selecting sugarcane carriers for commercial use ( 1994 )  
Wijesuriya, A. - PGIA  
KEYWORDS: Sugar cane; Hybridization - 1446
- 1.11.7 Screening of genotype for water logging conditions ( 1995 )  
Wijesuriya, A.; Sanmuganathan, K; Ubayasena, W.L.C. - SRI  
KEYWORDS: Sugarcane; Germplasm - 1609
- 1.11.8 Establishment of seedling nurseries ( 1995 )  
Wijesuriya, A.; Ubayasena, W.L.C.; - SRI  
KEYWORDS: Seedling; Sugarcane - 1618
- 1.11.9 Development of a computer programme for varietal and progeny selection ( 1991 )  
Wijesuriya, A.; Ubayasena, W.L.C. - SRI  
KEYWORDS: Computer Applications; Sugarcane - 1623
- 1.11.10 Germplasm exploration and collection. ( 1995 )  
Liyanage, A.S.U. - PGRC  
KEYWORDS: Exploration; Germplasm; Cells; Genetics - 1047
- 1.11.11 Characterization, identification and multiplication of crop genetic resources ( 1994 )  
Perera, S.K.K.- PGRC  
KEYWORDS: Genetics; Characterization; Taxonomy - 1066
- 1.11.12 Characterization identification and multiplication of crop genetic resources. ( 1994 )  
Siriwardhane, K.P.D. - PGRC  
KEYWORDS: Genetics; Characterization; Taxonomy - 1075
- 1.11.13 Germplasm collection of Kohila cultivars. ( 1994 )  
Wahundeniya, B. - HORDI  
KEYWORDS: Cell Culture; Vegetables - 1215
- 1.11.14 Evaluation of Okra germplasm ( 1994 )  
Wasala, W.M.D. - HORDI  
KEYWORDS: Breeding; Genotype; Cell Culture; Germplasm - 1216
- 1.11.15 Radiation induced mutation breeding programme for vegetables. ( 1994 )  
Wasala, W.M.D. - HORDI  
KEYWORDS: Mutations; Breeding; Cerials- 1217
- 1.11.16 Quantitative genetic studies of sugarcane ( 1992 )  
Wijesuriya, A.; Dharmawardene, N. - SRI  
KEYWORDS: Sugarcane; Genetics - 1620
- 1.11.17 Characterization of germplasm for their breeding values ( 1991 )  
Wijesuriya, A.; Dharmawardena, N; Ubayasena, W.L.C.; Basnayake, S. - SRI  
KEYWORDS: Germplasm; Characterization; Breeding; Sugarcane - 1621
- 1.11.18 Construction of selection indices for sugarcane ( 1991 )  
Wijesuriya, Aruna; Dharmawardene, N. - SRI  
KEYWORDS: Sugarcane; Genetics - 1624

- 1.11.19 Production of mericlones and test for genetic stability and pathogen elimination ( 1995 )  
 Basnayake, W.V.S - SRI  
 KEYWORDS: Pathogens; Genetics; Sugarcane - 1626
- 1.11.20 Evaluation of degree of genetic variability in calliclonal population ( 1995 )  
 Basnayake, W.V.S; Ubayasena, W.L.C. - SRI  
 KEYWORDS: Genetics; Sugarcane; Disease Resistance - 1628
- 1.11.21 Sugarcane germplasm collection expedition ( 1995 )  
 Wijesuriya, A.; Ubayasena, W.L.C.; Basnayake, S.; Dharmawardena, N. - SRI  
 KEYWORDS: Germplasm; Sugarcane; Breeding - 1630
- 1.11.22 Sugarcane germplasm conservation ( 1995 )  
 Wijesuriya, A.; Ubayasena, W.L.C.; Basnayake, S. - SRI  
 KEYWORDS: Germplasm; Conservation; Sugarcane - 1631
- 1.11.23 Sugarcane germplasm evaluation and documentation ( 1995 )  
 Ubayasena, W.L.C; Wijesuriya, A; Dharmawardena, N; Basnayake, S. - SRI  
 KEYWORDS: Germplasm; Breeding; Sugarcane - 1632
- 1.11.24 Production of improved coconut varieties crosses of Ambakelle elite palms with four selected germplasm accessions ( 1995 )  
 Fernando, WM.U.; Perera, A.A.L. - CRI  
 KEYWORDS: Genetics Diversity; Germplasm; Coconut Palm; Productivity - 1662
- 1.11.25 Quarantining of imported sugarcane varieties ( 1991 )  
 Kumarasinghe, N.C.; Seneviratne, J.A.U.T. - SRI  
 KEYWORDS: Pests; Quarantine; Pest Control - 1688
- 1.11.26 Building capacity in production of high quality seed of *E. grandis* provenances progeny trial ( 1995 )  
 Bandara, K.M.A. - DOF  
 KEYWORDS: Fuelwood; Genetic Variability; Breeding - 1748
- 1.11.27 Eucalyptus microcorys provenance trials ( 1994 )  
 Bandara, K.M.A. - DOF  
 KEYWORDS: Genetic Variation; Timber; Breeding - 1749
- 1.11.28 Species elimination trials - Agaratenna ( 1991 )  
 Bandara, K.M.A. - DOF  
 KEYWORDS: Species Selection - 1752
- 1.11.29 Development of drought and disease resistant sesame cultivars to new cropping system ( 1992 )  
 Pathirana, R.; De Zoysa, J. - UOR  
 KEYWORDS: Gingerlly; Stress Tolerance; Disease Resistance - 1836
- 1.11.30 Characterisation of sugarcane germplasm by using molecular techniques ( 1995 )  
 Ubayasena, W.L.C.; Perera, A.L.T.; Sumanasinghe, V.A. - PGIA  
 KEYWORDS: Sugarcane; Molecular Techniques - 2067

## 1.12 Horticulture

- 1.12.1 Varietal development in bittergourd. ( 1994 )  
Wahundeniya, B. - HORDI  
KEYWORDS: Hybridization; Productivity; Vegetables - 1214
- 1.12.2 Studies on the physiological determination of sweet potato caused by recurrent usage of crops (1993 )  
De Silva, K.P.U. - HORDI  
KEYWORDS: Productivity; Tuber Crops; Plant Growth; Plant Physiology - 1219
- 1.12.3 Cultivation of vegetables under agro wells in Minipe zone 1 & 11 ( 1993 )  
Jayasekera, S.J.B.A. - HORDI  
KEYWORDS: Vegetables; Socio Economic Indicators; Cultivation Techniques - 1220
- 1.12.4 Varietal evaluation okra ( 1994 )  
Radhakrishnan, R. - HORDI  
KEYWORDS: Evaluation; Productivity; Viral Diseases - 1230
- 1.12.5 Varietal evaluation - beetroot ( 1994 )  
Radhakrishnan, R. - HORDI  
KEYWORDS: Vegetables - 1231
- 1.12.6 Varietal evaluation - vegetable cowpea ( Bonh type ) ( 1994 )  
Radhakrishnan, R. - HORDI  
KEYWORDS: Cereals - 1232
- 1.12.7 Methods of staking in vegetable - cowpea. ( 1993 )  
Pararajasingham, N. - HORDI  
KEYWORDS: Cereals; Productivity - 1238
- 1.12.8 An evaluation of field performance of in vitro grown anthurium plants ( 1993 )  
Peiris, Sriyani E. - UOP  
KEYWORDS: Micropropagation; Ornamental Plants - 1553
- 1.12.9 Varietal evaluation of tomato, brinjol, capsicum and gourds for root - knot nematodes. ( 1993 )  
Ekanayake, H.M.R.K. - HORDI  
KEYWORDS: Varietal Resistance; Vegetable Crops; Nematodes - 1209

## 1.13 Intercropping

- 1.13.1 Intercropping coconut with selected medicinal plants. ( 1993 )  
Gunathilaka, H.A.J. - CRI  
KEYWORDS: Medicinal Plants; Agronomy; Coconut Palm - 1020
- 1.13.2 Intercropping ( 1990 )  
Gunathilaka, H.A.J. - CRI  
KEYWORDS: Coconut Palms - 1021

- 1.13.3 Conversion of monoculture pine plantations into mixed fruit by underplanting broadleaved species (1994)  
Weerawardane, N.D.R. - DOF  
KEYWORDS: Seedlings; Planting; Fungi - 1316
- 1.13.4 Rubber timber intercropping system ( 1992 )  
Rodny, V.H.L. - RRI  
KEYWORDS: Timbers; Hevea - 1325
- 1.13.5 Qualification of the seasonal light and water use of a banana based interculture system ( 1993 )  
Rodrigo, V.H.L. - RRI  
KEYWORDS: Fruits; Hevea - 1326
- 1.13.6 Mixed cropping studies with other crops ( 1993 )  
Sumanasena, H.A. - DEA  
KEYWORDS: Soil Conservation; Intercropping; Agronomy; Mixed Farming - 1422
- 1.13.7 Intercropping of short duration crops ( 1995 )  
Sivanathan, A.; Basnayake, J. - SRI  
KEYWORDS: Sugarcane; Farming Systems - 1613
- 1.13.8 Intercropping coconut with selected medicinal plants ( 1992 )  
Gunathilaka, H.A.J.; Arambewela, L. - CRI  
KEYWORDS: Medicinal Plants; Coconut Palm; Intercropping - 1670
- 1.13.9 Study of performance of intercropping cashew and mango under coconut ( 1995 )  
Gunathilaka, H.A.J. - CRI  
KEYWORDS: Intercropping; Cashew; Coconut Palm; Productivity - 1672
- 1.13.10 Intercropping with legumes ( 1993 )  
Witharana, W.R.G. - SRI  
KEYWORDS: Sugarcane; Intercropping; Leguminous Crops - 1149
- 1.13.11 Effect of spatial arrangement on yield and inter - relationship between bean ( Phaseolus vulgaris ) & capsicum ( Capsicum annum ) under different intercropping systems ( 1994 )  
Perera, W.S.C. - PGIA  
KEYWORDS: Capsicum; Productivity; Intercropping - 1486
- 1.13.12 Intercropping coconut land with selected medicinal plants. ( 1993 )  
Arambewela, L.S.R.; Gunatilleke, J. - CISIR  
KEYWORDS: Intercropping; Medicinal Plants - 1062

- 1.14 Pests
- 1.14.1 Studies on activity patterns of larval and pupal parasitoid species of coconut caterpillar. ( 1994 )  
Fernando, L.C.P. - CRI  
KEYWORDS: Parasites - 0007
- 1.14.2 Studies on control of minor pests ( 1992 )  
Rajapakse, C.N.K. - CRI  
KEYWORDS: Chemical Control; Plant Extracts; Coconut Palm; Pest Control - 0028
- 1.14.3 Chemical control of sugarcane pests. ( 1993 )  
Seneviratne, J.A.U.T. - SRI  
KEYWORDS: Chemical Control; Pest Control; Sugarcane - 1126
- 1.14.4 Studies of pests of avocado and rambutan ( 1994 )  
HORDI  
KEYWORDS: Parasites; Fruits - 1221
- 1.14.5 Studies on ecology, biology and control of leaf mines ( *Liriomyza* sp. ) on bush beans and tomato ( 1993 )  
HORDI - HORDI  
KEYWORDS: Ecology; Crops; Leguminosae; Vegetables; Pest Control - 1222
- 1.14.6 Determination of cution thresholds for cabbage leaf eating caterpillar ( 1994 )  
Wahundeniya, Indra - HORDI  
KEYWORDS: Brassica; Pest Control; Vegetables - 1223
- 1.14.7 Effect of *Bacillus thuringiensis* and "botanicals" on leaf eating caterpillars of cabbage. ( 1993 )  
Wahundeniya, I. - HORDI  
KEYWORDS: Pest Control; Brassica; Vegetables - 1224
- 1.14.8 Control of pests of mushrooms ( 1994 )  
Wasudemiya, I. - HORDI  
KEYWORDS: Mushrooms; Growth Regulators; Pest Control - 1225
- 1.14.9 Cultural control of sweet potato weevil ( 1992 )  
De Silva, K.P.U. - HORDI  
KEYWORDS: Vegetables; Pest Control; Integrated Surveys - 1277
- 1.14.10 Population dynamics of coffee berry borer and cardamom stem borer ( 1992 )  
Dharmadasa, M. - DEA  
KEYWORDS: Population Dynamics; Pests - 1346
- 1.14.11 Identification of vector/vectors of little leaf condition of black pepper ( 1994 )  
Dharmadasa, M. - DEA  
KEYWORDS: Vectors; Plant Viruses; Plant Diseases; Spices - 1427
- 1.14.12 Design a trap for coffee berry borer ( 1994 )  
Dharmadasa, M. - DEA  
KEYWORDS: Pests; Traps - 1432

- 1.14.13 Use of botanicals on control of pests of export agricultural crops ( 1994 )  
 Dharmadasa, M. - DEA  
 KEYWORDS: Pest Control; Crops - 1433
- 1.14.14 Economic threshold level of cardamom stem borer ( 1993 )  
 Dharmadasa, M. - DEA  
 KEYWORDS: Spices; Pests - 1434
- 1.14.15 Studies on the biology, host preference and control of cardamom stem and capsule borer  
 (*Lepidoptera pyralidae*) ( 1994 )  
 Dharmadasa, M. - PGIA  
 KEYWORDS: Pest Control - 1435
- 1.14.16 Integrated management of minor pests of coconut ( 1995 )  
 Rajapakse, C.N.K.; - CRI  
 KEYWORDS: Coconut Palm; Insects; Pest Control - 1744
- 1.14.17 Integrated management of coconut caterpillars (*Opisina arenosella*) ( 1995 )  
 Rajapakse, C.N.K.; - CRI  
 KEYWORDS: Coconut Caterpillar; Biological Control; Chemical Control; Pest Control - 1747
- 1.14.18 Studies on the damage caused by pests ( 1996 )  
 Seneviratne, J.A.U.T. - SRI  
 KEYWORDS: Sugarcane Pests; Economic Threshold Level - 2050
- 1.14.19 Pesticides residue analysis in leafy vegetables (1997)  
 Wettasinghe, A. - HORDI  
 KEYWORDS- Pesticides; vegetables -2063
- 1.14.20 Use of entomopathogenic fungi for control of pests of export agriculture crop ( 1994 )  
 Dharmadasa, M. - DEA  
 KEYWORDS: Pest control; Entomology; Fungi - 1345
- 1.15 Plant Nutrition
- 1.15.1 Utilization and management of leguminous trees in coconut lands ( 1995 )  
 Fernando, D. N. - CRI  
 KEYWORDS: Legums; Fertilizers; Coconut Palm - 1673
- 1.15.2 N P K requirements of sugarcane ( 1995 )  
 Subasinghe, A. R.; Bodhinayake, W.L.; Ubeyasena, N. - SRI  
 KEYWORDS: Nutrient Requirements; Sugarcane - 1691
- 1.15.3 Nitrogen fixing and non fixing interplant trial ( 1994 )  
 Bandara, K.M.A. - DOF  
 KEYWORDS: Intercropping; Nitrogen Fixation - 1750

- 1.15.4 Tobacco Leaf Research:determination of N P & K levels ( 1975 )  
 Leaf Research Manager - CTC  
 KEYWORDS: Tobacco; Plant Growth; Fertilizers - 1762
- 1.15.5 Effect of continuous application of phosphorus on yield components and yield of low land rice in red yellow latosols ( 1992 )  
 Rajadurai, S. - UOJ  
 KEYWORDS: Rice Fertilizers; Productivity - 1780
- 1.16 Plant Pathology
- 1.16.1 Biological control of *P. solanacrarum* the causal agent of bacterial wilt ( 1994 )  
 De Zoysa, I.J. - HORDI  
 KEYWORDS: Biological Control; Bacterial Diseases; Disease Resistance; Plant Diseases - 1187
- 1.16.2 Studies on nematode interaction with viral diseases of beans, tomato and sweet potato ( 1994 )  
 Ekanayake, H.M.R.K. - HORDI  
 KEYWORDS: Nematodes; Viral Diseases; Pathogens ;Vegetables - 1188
- 1.16.3 Studies on bacterial canker of citrus ( 1994 )  
 De Silva, I.J. - HORDI  
 KEYWORDS: Plant Diseases; Citrus Trees; Bacteria - 1197
- 1.16.4 Soil borne fungal diseases of vegetable crops ( 1994 )  
 Sivasubramaniyam, S. - HORDI  
 KEYWORDS: Pathogens; Vegetable Crops; Plant Diseases; Fungal Diseases - 1199
- 1.16.5 Fungicidal screening for nursery diseases of papaya. ( 1994 )  
 Sivasubramaniyam, S. - HORDI  
 KEYWORDS: Plant Diseases; Fruits; Fungicides - 1200
- 1.16.6 Screening sugarcane varieties for ratoon standing disease resistance ( 1994 )  
 Shanthichandra, W.K.N. - SRI  
 KEYWORDS: Bacterial Diseases; Disease Resistance; Plant Diseases - 1505
- 1.16.7 Screening sugarcane varieties for smut disease resistance ( 1995 )  
 Shanthichandra, W.K.N. - SRI  
 KEYWORDS: Disease Resistance; Fungal Diseases; Sugarcane; Tissue Culture - 1596
- 1.16.8 Screening sugarcane varieties for leaf scald disease resistance ( 1995 )  
 Shanthichandra, W.K.N. - SRI  
 KEYWORDS: Bacterial Diseases; Disease Resistance; Sugarcane; Tissue Culture - 1597
- 1.16.9 Screening sugarcane varieties for ratoon stuling disease resistance ( 1995 )  
 Shanthichandra, W.K.N. - SRI  
 KEYWORDS: Bacterial Disease; Disease Resistance; Sugarcane; Tissue Culture - 1598

- 1.16.10 Screening sugarcane varieties for grassy shoot disease ( G:S:D: ) resistance ( 1995 )  
Shanthichandra, W.K.N. - SRI  
KEYWORDS: Disease Resistance; Sugarcane - 1599
- 1.16.11 Disease identification service to the industry ( 1995 )  
Shanthichandra, W.K.W. - SRI  
KEYWORDS: Plant Diseases; Disease Control - 1603
- 1.16.12 Biological control of anthracnose disease in dessert in banana by host epiphytic antagonist.  
( 1995 )  
Costa De.D.M.; Bandara,M.R.S.; Kelaniyangoda,B. - PGIA  
KEYWORDS: Biological control; Fruits; Plant Pathology - 2083
- 1.16.13 New diseases of rubber plantations ( 1989 )  
Jayasinghe, C.K.; Wettasinghe, D.S.; Silva, W.P.K.; Fernando, E .B. .; Wettasinghe, J.L.P.C. -  
RRI  
KEYWORDS: Plant Pathology; Hevea; Pathogens - 1726
- 1.16.14 Investigation on diseases of ornamental Plant (1995)  
HORDI  
KEYWORDS: Ornamental Plants-2053
- 1.16.15 Diagnosis of diseases of horticultural crops and advise on control.(1995)  
HORDI  
KEYWORDS: Disease Control -2054
- 1.16.16 Disease surveys in sugar cane plantation ( 1995 )  
Shanthichandra, W.K.W. - SRI  
KEYWORDS: Plant Diseases; Sugarcane - 1602
- 1.17 Plant Physiology
- 1.17.1 Seed physiological research ( 1994 )  
Hemechandra, P.V. - PGRC  
KEYWORDS: Seed Conservation; Humidity Seeds - 1076
- 1.17.2 Effect of different N.K. levels on growth, yield and postharvest as aspect of sweet potato under  
different production systems ( 1993 )  
De Silva, K.P.U. - HORDI  
KEYWORDS: Productivity; Tuber Crops; Nutrients; Plant Growth - 1218
- 1.17.3 Vegetative propagation of cinnamon ( 1993 )  
Abeykoon, A.M.D. - DEA  
KEYWORDS: Spices; Vegetative Propagation - 1376
- 1.17.4 Vegetative propagation of cocoa ( 1993 )  
Abeykoon, A.M.D. - DEA  
KEYWORDS: Vegetative Propagation - 1377

- 1.17.5 Growth and yield studies of cocoa ( 1993 )  
Abeykoon, A.M.D. - DEA  
KEYWORDS: Flowers; Cocoa; Productivity; Plant Growth - 1378
- 1.17.6 Efficacy of N.P. & K fertilizers on shoot and root growth of cocoa ( 1994 )  
Nagappan, M. - DEA  
KEYWORDS: Plant Growth; Fertilizers; Cocoa - 1429
- 1.17.7 Effect of N & K fertilizers on growth & yield of pepper ( 1992 )  
Nagappan, M. - DEA  
KEYWORDS: Productivity; Plant Growth; Fertilizers; Spices - 1430
- 1.18 Post - Harvest Technology
- 1.18.1 The effect of moisture on discolouration of parboiled paddy during storage ( 1995 )  
Randeni, R.P.L.C.; Palipane, K.B. - RPRDC  
KEYWORDS: Parboiling; Discolouration; Paddy; Moisture Content - 1536
- 1.18.2 Extending the storage life with maintaining post harvest quality of pineapples and bananas with special preference to modified and controlled atmospheric storage. ( 1994 )  
Wijeratnam, S.W. - CISIR  
KEYWORDS: Post Harvest; Technology; Fruit Storage; Fruit Handling; - 1060
- 1.18.3 Prevention of incidence of black grains in rice parboiling ( 1995 )  
Swarnasiri, D.P.C. - RPRDC  
KEYWORDS: Parboiling; Rice Grains - 1532
- 1.18.4 Development of post - harvest and processing technology for minimizing losses and improving the quality of rambutan ( 1994 )  
Abeysekere, M. - CISIR  
KEYWORDS: Post harvest technology; Rambutan; Processing Technology - 1676
- 1.18.5 Study on storage and postharvest losses of carrots ( 1994 )  
Bahu, A. - HORDI  
KEYWORDS: Postharvest losses; Vegetables; Pathogens - 1196
- 1.19 Soil Science
- 1.19.1 Classification of sugarcane growing soils. ( Lancl Index ) ( 1994 )  
Sanatuganathan - SRI  
KEYWORDS: Productivity; Soil Properties; Sugarcane - 1123
- 1.19.2 Degradation of pesticides in soils ( 1994 )  
Wettasinghe, A. - HORDI  
KEYWORDS: Pesticides; Soils; Leaching; Decomposition - 1226

- 1.19.3 Studies on ammonium fixation and its release under different levels of moisture, pH, organic matter and potassium by some of the important soils of Sri Lanka ( 1994 )  
Bandula, S. - PGIA  
KEYWORDS: Soil Sciences; Soil Properties - 1490
- 1.19.4 Effect of cattle manure and inorganic nitrogen fertilizer on the nutrient uptake, growth and yield of chilli on the latasols of the northern region ( 1994 )  
Easwarapadchem, R. - PGIA  
KEYWORDS: Productivity; Nutrients; Capsicum; Soils; Fertilizers; Manure; Plant Growth; Vegetative Improvements - 1491
- 1.19.5 Some aspects of soil K dynamics in Sri Lankan acid tea soils in relation to K fertilization ( 1994 )  
Gunaratne, G.P. - PGIA  
KEYWORDS: Soil Properties; Tea Plants - 1492
- 1.19.6 Estimation of dolomite requirement for different red yellow podzolic soils found in the up country of Sri Lanka ( 1994 )  
Hewavitharana, S.A. - PGIA  
KEYWORDS: Soil - 1493
- 1.19.7 Investigation on organo - mineral composites of some representative Sri Lankan soils in relation to their clay mineralogy ( 1994 )  
Jayawickrama, S.P. - PGIA  
KEYWORDS: Soil; Clay - 1494
- 1.19.8 Effect of different types of green manure on the growth and yield of onion ( *Allium ascalonium* ) in latest of the Northern region ( 1994 )  
Jeewanathan, B. - PGIA  
KEYWORDS: Vegetative Improvements; Onion; Manure; Plant Growth; Productivity - 1495
- 1.19.9 Relative changes in soil properties of RBE soils with different rates of organic and inorganic amendments  
Keerthiratna, G.B. - PGIA  
KEYWORDS: Soil Properties; Soil Sciences - 1496
- 1.19.10 The influence of soil compaction and bed preparation on root tuber formation of sweet potato  
Kularatne, M.A. - PGIA  
KEYWORDS: Vegetables; Root crops - 1497
- 1.19.11 Role of potassium reserve in potassium nutrition of paddy at various levels of nitrogen ( 1994 )  
- PGIA  
KEYWORDS: Rice; Nutrition - 1498
- 1.19.12 Study of clay mineralogy and chemical composition of some wetland soils of Sri Lanka ( 1994 )  
Mahathantila, H. - PGIA  
KEYWORDS: Mineralogy; Wetlands; Soil properties - 1499
- 1.19.13 Assessment of plant potassium uptake, crop yield and exchangeable potassium contents in cowpea maize intercropping systems ( 1994 )  
Priyantha, G.K.K. - PGIA  
KEYWORDS: Cereals; Plant Nutrition; Productivity; Intercropping - 1500

- 1.19.14 Effect of crop residues on population and activity of nitrifiers in relation to soil moisture and soil aeration ( 1994 )  
Rajapaksa, R.M.C. - PGIA  
KEYWORDS: Soil properties; Nitrification - 1501
- 1.19.15 Effect of soil bulk density strength and potassium content on potassium uptake and overall growth of a corn legume intercropping system ( 1994 )  
Wanasundara, W.M.U.N. - PGIA  
KEYWORDS: Intercropping; Leguminous Crops - 1502
- 1.19.16 Phosphate rock dissolution as affected by peat and dynamics of phosphorous in soil ( 1994 )  
Walikala, N. - PGIA  
KEYWORDS: Soil mechanics - 1503
- 1.19.17 Clay mineralogy in rice soils ( 1993 )  
Mahathanthila, D.S.; Dissanayake, C.B.; Thenabandu, M.W. - IFS  
KEYWORDS: Soil; Soil Properties; Mineralogy - 1582
- 1.19.18 Improvement and maintenance of fertility and productivity of tea soils ( 1980 )  
Hettiarachchi, L.S.K.; Cumaraswamy, S.A.; Zoysa, A.K.N.; Gunaratne, G.P. - TRI  
KEYWORDS: Soil Fertility; Nutrients; Tea; Plant Nutrition - 1639
- 1.19.19 Efficacy evaluation of soil insecticides for termite control ( 1995 )  
Kumarasinghe, N.C.; Seneviratne, J.A.U.T. - SRI  
KEYWORDS: Termites; Insecticide; Sugarcane; Pest Control - 1687
- 1.19.20 Characterization of soil physical properties in the wet zone of Sri Lanka. - ( 1996 )  
Jayalath, K.D.D.; Mapa, R.B.; Dharmasena, P.B. - PGIA  
KEYWORDS: Soil properties - 2084
- 1.19.21 Effects of neem (*Azadirachta indica*) cake blending with two nitrogen fertilizers on leaching losses of nitrogen and fertilizer response in different soils of Sri Lanka. ( 1996 )  
Gnanavelrajah, N.; Kumaragamage, D.; Nandasena, K.A. - PGIA  
KEYWORDS: Nitrogen Fertilizers - 2085
- 1.19.22 Effect of climate on soil moisture availability in rainfed agricultural lands. ( 1992 )  
Somasiri, S. - DOA  
KEYWORDS: Climates; Soil Properties; Soil; Water - 1059
- 1.20 Tissue Culture
- 1.20.1 Production and maintenance of calli clones ( 1995 )  
Basnayake, W.V.S - SRI  
KEYWORDS: Genetics; Calli clones; Tissue Culture - 1625
- 1.20.2 In vitro screening of calli derived plants for GSD and smut (*Ustilago scitaneae*) resistance ( 1995 )  
Basnayake, W.V.S - SRI  
KEYWORDS: Pathogens; Sugarcane; Calli callus - 1627

- 1.20.3 Maintenance of tissue culture laboratory and donor clones for tissue culture experiments ( 1995 )  
Basnayake, W.V.S - SRI  
KEYWORDS: Tissue Culture; Sugarcane - 1629
- 1.20.4 In vitro propagation of cinnamon ( 1994 )  
Yapabandara, Y.M.H.B. - DEA  
KEYWORDS: Tissue culture; Cell culture; Seasonings - 1402
- 1.20.5 In vitro propagation of Hevea ( 1986 )  
Seneviratne, P. - RRI  
KEYWORDS: Hevea; Cell culture; Propagation - 1045
- 1.21 Weed Control
- 1.21.1 Weed management and cover cropping in coconut lands ( 1995 )  
Fernando, D. N. - CRI  
KEYWORDS: Weed Management; Cover Crops; Weed Control; Coconut Palm; Plant Growth - 1634
- 1.21.2 Effect of tillage systems on weed ecology in mungbean ( 1995 )  
Ranawana, A.W.M.A.W.; Sangakkara, U.R.; Marambe, B. - PGIA  
KEYWORDS: Mungbean; Weed control - 2079
- 1.21.3 Effective cover and weed management practices ( 1993 )  
RRI  
KEYWORDS: Weeds; Herbicides; Legumes - 1250
- 1.21.4 Weeds ( 1994 )  
Gunasekera, T.G.L.G. - CRI  
KEYWORDS: Coconut Palm; Nursery; Weed Control - 1018

## 2 Biological Sciences

### 2.1 Agronomy

- 2.1.1 Identification of factors, limiting growth of Coconut palms under plantation ( 1994 )  
Fernando, D. N. - CRI  
KEYWORDS: Plant Growth; Coconut Palm; Seedlings - 1669

### 2.2 Biochemistry

- 2.2.1 Homeostasis of sulfated macromolecules in rats on chronic exposure to xenobiotics ( 1995 )  
Fernando, P.H.P.; Suiko, M. - UOP  
KEYWORDS: Sulfation; Macromolecules Synthesis; Xenobiotics - 1545
- 2.2.2 Chemical control of hevea diseases ( 1989 )  
Jayasinghe, C.K.; Jayasuriya, K.E.; Fernando, T.H.P.S.; Jayaratna, R. - RRI  
KEYWORDS: Chemical Control; Fungicides; Hevea; Plant Pathology, Disease Control - 1730
- 2.2.3 Toxic constituents of awara ( sword bean ) *Canavalia gladiatoris* ( 1995 )  
Jansz, E.R.; Abeysekara, A.M.; Ekanayake, S. - UOSJ  
KEYWORDS: Inhibitors; Toxicity; Nutrition Value; Vegetables - 1797
- 2.2.4 Utilisation of starch from lesser known sources ( 1995 )  
Jansz, E.R.; Bamunuarachchi, A.; Mahesh, Y. - UOSJ  
KEYWORDS: Physical Properties; Enzymes; Hydrolysis; Glucose Syrup; Alcohol - 1798
- 2.2.5 Debittering of palmyrah fruit pulp and assessing effects of saponins ( 1995 )  
Jansz, E.R.; Abeysekara, A.M.; Nikawela, J.K. - UOSJ  
KEYWORDS: Palmyrah; Fruit Pulp; Toxicity; Bitter Principles - 1799
- 2.2.6 Molecular characterisation of elevated esterase - based insecticide resistance in Sri Lankan *Culex tritaeniorhynchus* ( 1995 )  
Karunaratne, S.H.P.P.; Hemingway, J. - UOP  
KEYWORDS: Insecticide Resistance; Mosquitoes - 1813
- 2.2.7 Preliminary survey of the lead content in the blood of workers in garages and printing presses. ( 1995 )  
Wijesekera, R.D. - UOC  
KEYWORDS: Lead Content; Blood - 1919
- 2.2.8 Investigation of organic and inorganic constituents in the serum of Sri Lankan elephant ( 1995 )  
De Alwis, H. - UOC  
KEYWORDS: Serum; Elephants - 1921
- 2.2.9 Bioactive natural products from Sri Lankan lichens: culturing of the Mycobiont in the laboratory ( 1996 )  
Karunaratne, N.L.V.V.; Adikaram, N.K.B. - UOP  
KEYWORDS: Lichens; Natural Products - 2011

## 2.3 Biodiversity

- 2.3.1 Financial investments in biodiversity conservation - Sri Lanka case study ( 1994 )  
IUCN - IUCN  
KEYWORDS: Financial Investments - 1547

## 2.4 Cell Biology

- 2.4.1 Cardamom germplasm evaluation ( 1988 )  
Herath, I.H.M.H.B.; Gurusinghe, P.de.A.; Ravindran, A. - DEA  
KEYWORDS: Spices; Germplasm - 0040
- 2.4.2 Preliminary evaluation and multiplication of germplasm ( 1994 )  
Hindagala, C.B. - PGRC  
KEYWORDS: Plant Cells; Taxonomy; Multiplication - 1038

## 2.5 Ecology

- 2.5.1 Gap regeneration in mangrove ecosystem ( 1995 )  
Ranawana, J.B. - UOP  
KEYWORDS: Mangroves - 1910
- 2.5.2 Diversity and phytosociology of aquatic macrophytes in the upper tributaries of Kelani, Walawe, Kalu and Mahaweli rivers of Sri Lanka ( 1996 )  
Abeynayake, K.; Seneviratne, G.I. - UOC  
KEYWORDS: Aquatic Botany ; Photosociology; Tributories - 2036
- 2.5.3 Ecology of sambar deer ( *Cervus unicolor unicolor* ) in relation to habitat requirements and predator ( *Panthera pardus pusca* ) pressure at the Horton Plains National Park. (1996) - OU  
KEYWORDS: Deer - 2038
- 2.5.4 Community structure of the macro - invertebrate assemblage in the Hulu ganga watershed. ( 1996 )  
Silva, E.I.L.; - IFS  
KEYWORDS: Community Structure; Macro-invertebrates; Watersheds - 2058
- 2.5.5 Trophic characteristics of the Kandy lake ( 1996 )  
Silva, E.I.L. - IFS  
KEYWORDS: Primary Productivity; Phytoplankton; Nutrients - 2059
- 2.5.6 Study of the phenology and the relative growth rates of certain selected mangrove spp. in Southern Sri Lanka ( Galle, Devinuwara, Rekawa ) ( 1993 )  
Hettiarachchi, P.L.; Samarakoon, S.P. - UOR  
KEYWORDS: Mangroves ; Plant Physiology - 1985

## **2.6 Floriculture**

- 2.6.1 Introduction of wild flora to the floriculture industry ( 1996 )  
Dhansekera, D.M.U.B.; Krishnarajah, S.A. - Botanic Gardens  
KEYWORDS: Wild Flora - 2034

## **2.7 Genetics**

- 2.7.1 Plant genetic resources conservation and enhancement ( 1994 )  
Ganeshan, P. - PGRC  
KEYWORDS: Genetic Resources; Genetic Enhancement; Plants - 1037
- 2.7.2 Selection and genetic improvements of *Piper nigrum* L. cultivars oil & Piperine content and their micropropagation. ( 1995 )  
Ranatunga, J. - CISIR  
KEYWORDS: Micropropagation; Spices - 1951

## **2.8 Insecticides**

- 2.8.1 Effect of Azadirachtin ( a biological insecticide ) on growth of cockroaches ( 1995 )  
Paranagama, P.A. - UOK  
KEYWORDS: Cockroaches; Insecticides - 1650

## **2.9 Limnology**

- 2.9.1 Limnological studies of Samanalawewa ( 1995 )  
Silva, E.I.L. - IFS  
KEYWORDS: Limnology; Hydropower; Reservoirs - 1587

## **2.10 Marine Biology**

- 2.10.1 Ecophysiology of molluscs inhabiting estuaries along the Western coast of Sri Lanka ( 1995 )  
Ekaratne, S.U.K. - UOC  
KEYWORDS: Molluscs - 1887
- 2.10.2 Benthic diversity and trophic status of Mundala Lake. ( 1995 )  
Silva, E.I.L.; - IFS  
KEYWORDS: Estuarine Benthos; Mundala Lake - 2057

## **2.11 Parasitology**

- 2.11.1 Studies on *Anopheles tessellatus* *Biasmodium falciparum* interactions ( 1995 )  
Ramasamy, M.S.; Ramasamy, R. - IFS  
KEYWORDS: Mosquitoes- 1888
- 2.11.2 Multiple feeding in two vectors of malaria in Sri Lanka ( 1995 )  
Amarasinghe, P.H.; Amarasinghe, F.P. - UOP  
KEYWORDS: Malaria - 1891
- 2.11.3 Insecticide resistance in Anopheline vectors of malaria. ( 1995 )  
Karunaratne, S.H.P.P.; Amarasinghe, P.H. - UOP  
KEYWORDS: Malaria; Insecticide - 1914
- 2.11.4 Characterization of mosquito midgut molecules modulating transmission of the malaria parasite ( 1995 )  
Ramasamy, M.S.; Ramasamy, R.; Srikrishnaraj, K.A. - IFS  
KEYWORDS: Mosquitoes; Malaria - 1915
- 2.11.5 Study of the bionomics of the sibling species of *Anopheles subpictus* ( 1995 )  
Abhyawardana, T.A. - AMC  
KEYWORDS: Mosquitoes; Bionomics - 2037

## **2.12 Pathology**

- 2.12.1 Studies on mosquito - pathogen interactions ( 1995 )  
Ramasamy, M.S.; Srikrishnaraj, K.A.; Kulasekera, R; Ramasamy, R. - IFS  
KEYWORDS: Mosquitoes; Malaria; Pathogens - 1585
- 2.12.2 Studies on biology of common pathogens ( 1989 )  
Jayasinghe, C.K.; Silva, W.P.K.; Fernando, T.H.P.S.; Uhanowita, S. - RRI  
KEYWORDS: Pathogens; Hevea - 1727

## **2.13 Pests**

- 2.13.1 Micro - organisms and pests associated with rubber plantation ( 1989 )  
Jayasinghe, C.K. - RRI  
KEYWORDS: Pest Control; Hevea - 1301
- 2.13.2 Investigation of natural enemies of sugarcane borers, mealy bugs & scales ( 1994 )  
Seneviratne, J.A.U.T.; Kumarasinghe, N.C. - SRI  
KEYWORDS: Sugarcane; Pest Control; Predators; Biological Control - 1685
- 2.13.3 Studies on a new aphid species parasitizing coconut scale insects ( 1995 )  
Fernando, P. - CRI  
KEYWORDS: Coconut Palm; Insect Control - 1737

- 2.13.4 Monitoring and control of adult red weevil (*Rhynchophorus ferrugineus*) population in Sri Lanka by the use of an attractant baited trap (1995)  
Rajapakse, C.N.K.; Gunawardene, N - CRI  
KEYWORDS: Pheromone; Trapping Methods; Insects - 1746
- 2.13.5 Microbial control of two important pests of vegetables (1996)  
Wegiriya, H.C.E. - UOR  
KEYWORDS: Pathogens; Pest Control; Vegetables - 1812
- 2.13.6 Population dynamics of major sugarcane pests (1991)  
Seneviratne, J.A.U.T.; Kumarasinghe, N.C. - SRI  
KEYWORDS: Population Density; Pests; Sugarcane - 1686
- 2.13.7 Pest control services to the industry (1995)  
Kumarasinghe, N.C. - SRI  
KEYWORDS: Pest Control; Sugarcane - 1689
- 2.13.8 Testing of resistance in different sugarcane varieties for major sugarcane pests (1991)  
Kumarasinghe, N.C.; Seneviratne, J.A.U.T. - SRI  
KEYWORDS: Sugarcane; Pests - 1683

## 2.14 Physiology

- 2.14.1 Ethnozoology of domestic elephants in Sri Lanka (1993)  
Ratnasooriya, W.D. - UOC  
KEYWORDS: Elephants; Reproduction; Animal Physiology - 1307

## 2.15 Taxonomy

- 2.15.1 Taxonomic studies and fruit variety of sapodilla. (1994)  
Wahundeniya, B. - HORDI  
KEYWORDS: Propagation; Fruits; Genetic Improvements - 1213
- 2.15.2 Morphology and taxonomy of earthworms in Sri Lanka (1995)  
Wijekoon, S.; Samaranayake, J. - UOP  
KEYWORDS: Earthworms; Taxonomy; Morphology - 1831
- 2.15.3 Study on the taxonomic and ecology of cattle ticks (*Acarina: Ixodidae*) in Sri Lanka. (1996)  
Amarasinghe, F.P. - UOP  
KEYWORDS: Cattle Ticks; Acarina; Ixodidae - 2035

## 2.16 Tissue Culture

- 2.16.1 Comparison of tissue culture response of six cardamam cultivars recommended for low elevation ( 1993 )  
Yapabandara, Y.M.H.B. - DEA  
KEYWORDS: Vegetative Propagation; Genotype; Tissue Culture; Spices - 1397
- 2.16.2 Tissue culture studies in black pepper ( *Piper nigrum* ) ( 1993 )  
Yapabandara, Y.M.H.B. - DEA  
KEYWORDS: Tissue Culture; Spices - 1398
- 2.16.3 In vitro propagation of nutmeg. ( 1993 )  
Yapabandara, Y.M.H.B. - DEA  
KEYWORDS: Tissue Culture; Vegetative Propagation; Culture Media; Cell Culture; Spices - 1399
- 2.16.4 Field evaluation of in vitro produced cardamum ( 1989 )  
Swarnathilaka, D.B.R. - DEA  
KEYWORDS: Phenotypes; Tissue Culture; Cell Culture; Spices - 1401
- 2.16.5 Induction and invitro selection of valuable mutations in the genus *Phosphocarpus* (1995 )  
Silva, T.D. - UOC  
KEYWORDS: Mutations - 1892
- 2.16.6 Regeneration of ebony and satin wood using tissue culture techniques ( 1995 )  
Peiris, S.E.; Gunasena, H.P.M. - UOP  
KEYWORDS: Regeneration; Tissue Culture - 1950

## 2.17 Zoological Survey

- 2.17.1 A survey on the existing turtle hatcheries and mapping of the nesting beaches of turtles along the north west, the west, the south and the south eastern coasts of Sri Lanka. (1995 )  
Dayaratne, P.; Amarasooriya, D. - NARA  
KEYWORDS: Turtle - 1911
- 2.17.2 Ecology and biology of bats in Sri Lanka: a survey on the distribution of mega and micro Chiropterans in Sri Lanka. ( 1995 )  
Ratnasooriya, W.D.; Randeniya, P.; Yapa, W. - UOC  
KEYWORDS: Bats - 1913

### 3 Biotechnology

#### 3.1 Biology

- 3.1.1 Development of molecular diagnostic tests for *Quiescent Colletotrichum* infections in fruits and vegetables ( 1996 )  
Dharmasiri, S.; Adikaram, N.K.B. - UOP  
KEYWORDS: Fruits; Vegetables; Plant Diseases - 2016
- 3.1.2 Large scale production of Alpha Amylase from *Aspergillus oryzae* ( 1996 )  
Arasaratnam, V.; Balasubramaniam, K. - UOF  
KEYWORDS: Fungi - 2015
- 3.1.3 Use of biotechnology for conservation and sustainable use of medicinal plants in Sri Lanka ( 1996 )  
De Silva, G.; Hirimburegama, K. - UOC  
KEYWORDS: Medicinal Plants - 2017

#### 3.2 Forestry

- 3.2.1 In - vitro regeneration and mass propagation of two endangered Sri Lankan forest tree species ( *Diospyros quaesita* and *Diospyros atrata* ) ( 1996 )  
Iddagoda, N.; Senanayake - IFS  
KEYWORDS: Propagation - 2014

#### 3.3 Food Technology

- 3.3.1 Study on histamine production in fish and dried fish and the effect of processing on histamine ( 1995 )  
Samarajeewa, U.; Fonseka, T.S.G. - UOP  
KEYWORDS: Fish; Histamine - 1956
- 3.3.2 Development of processing technology for the manufacture of organoleptically acceptable soybean cheese ( 1995 )  
Ediriweera, N ; Jayatissa, P.M. - CISIR  
KEYWORDS: Soyabean; Soyamilk; Fermentation; Cheese - 1948

#### 3.4 Genetics

- 3.4.1 Development of a bean (*Phaseolus vulgaris* ) plant resistant to Bean fly ( *Ophiomyia phaseoli* ) attack by the transfer of ICP gene from dipteran toxic *Bacillus thuringiensis* strain AB 6c. ( 1995 )  
Bandara, J.M.R.S.; Kulatunga, C.U. - UOP  
KEYWORDS: Gene Transformation; Insects - 1949
- 3.4.2 Candidate peptide and DNA vaccines for falsiparum malaria-Synthesis and immunogenicity in laboratory animals ( 1995 )  
Ramasamy, R.; Dharmasena, P.H.; Gnaneshan, S. - IFS  
KEYWORDS: DNA; Mosquitoes; Malaria - 1952

- 3.4.3 Development of techniques for genetic transformation of *Mangifera indica*, using *Agrobacterium tumefaciens* ( 1996 )  
Jayasekera, G.A.U.; Silva, T.D. - UOC  
KEYWORDS: Gentic Transformation - 1973
- 3.4.4 P 53 mutations in oral cancer in Sri Lanka patients ( 1995 )  
Mendis, L.; Perera, N. - UOC  
KEYWORDS: Diseases - 1955
- 3.4.5 DNA finger printing of *M. tuberculosis* using restriction fragment length polymorphism ( RELP ): its use in the study of epidemiology of tuberculosis with special reference to the prison population ( 1995 )  
Perera, J. - UOC  
KEYWORDS: DNA Polymerphism; Diseases - 1954
- 3.5 Insect Biology**
- 3.5.1 Characterization of the *Anopheles culicifacies* couples in Sri Lanka ( 1993 )  
Gunasekera, M.B. - UOC  
KEYWORDS: Genetics; Mosquitoes - 1344
- 3.6 Microbiology**
- 3.6.1 Investigation of the biotechnologically important *Bacillus* species from different environments ( 1992 )  
Abeygunawardena, S.I.; Widanapathirana, G.S. - UOK  
KEYWORDS: Bacteria - 1946
- 3.7 Parasitology**
- 3.7.1 Malaria; molecular biology and immunology ( 1989 )  
Ramamy, R.; Amarakoon, R.; Wanniarachchi, I.C. - IFS  
KEYWORDS: Malaria; Immunology;; Molecular Biology, Vaccines - 1583
- 3.7.2 Identification & characterization of antigens on the infective stage of *Wuchereria bancrofti* ( 1995 )  
Ranawaka, G.R.R. - OU  
KEYWORDS: Filaria - 1953
- 3.7.3 Characterisation of *Anopheles culicifacies* complex in Sri Lanka: identification of sibling species using DNA probes, studies on vectorial competence ( 1993 )  
Gunasekera, M.B. - UOC  
KEYWORDS: DNA Probes; Mosquitoes - 1908
- 3.8 Phytochemistry**
- 3.8.1 Production of phytochemicals of anti - tumour, anti - leukemic and anti viral activities by cell cultures of *Ophiorrhiza mungos* L. ( 1996 )  
Ranaweera, S.S. - UOSJ  
KEYWORDS: Tissue Culture - 2040

## 4 Chemical Sciences

### 4.1 Analytical Chemistry

- 4.1.1 Development of an electrochemical method to remove toxic metals from electroplating waste solutions (1995)  
Pathiratne, K.A.S.; Jayasuriya, M. - UOK  
KEYWORDS: Electroplating; Toxicology; Trace Metals - 1642
- 4.1.2 Evaluation of an analytical method for determination of toxic forms of aluminium in acidic surface and ground waters (1995)  
Ruwanthika, S. - UOK  
KEYWORDS: Toxic Metals; Toxicology - 1643
- 4.1.3 Development of a spectrophotometric method for determination of Cr<sup>6+</sup> in waste water from tanning industries (1995)  
Pathiratne, K.A.S.; Abayasinghe, N. - UOK  
KEYWORDS: Spectrophotometry; Tanning Industry - 1644
- 4.1.4 Biosensors as analytical detectors: water analysis by ion selective electrodes (1993)  
Navaratne, A.N. - UOK  
KEYWORDS: Biosensors; Electrodes; Water Analysis - 1647
- 4.1.5 Development of an economical method to determine chemical oxygen demand (COD) (1993)  
Gunawardhana, H.D. - UOC  
KEYWORDS: Standard Chemical Methods - 1774
- 4.1.6 Development of kinetic analytical method for the determination of trace amounts of mercury (1993)  
Wimalasena, J.H. - UOSJ  
KEYWORDS: Trace Metals - 1895
- 4.1.7 Metalloporphyrin coated electrodes as sensors for pesticides (1994)  
Priyantha, N. - UOP  
KEYWORDS: Pesticides - 1905
- 4.1.8 Determination of iodine in raw foods and its fate during cooking (1995)  
Deraniyagala, S.P. - UOSJ  
KEYWORDS: Foods - 1917
- 4.1.9 Chemically modified electrodes for detection of clinically important compounds. (1995)  
Priyantha, N. - UOP  
KEYWORDS: Chemical Compounds - 1922
- 4.1.10 Development of sensors for the monitoring of pollutants of the atmosphere and the hydrosphere (1996)  
Bandara, H.M.N.; Perera, J.S.H.Q.; Rajapakse, R.M.G.; Tennakoon, D.T.B. - UOP  
KEYWORDS: Air Pollution; Water Pollution - 2010
- 4.1.11 Pesticides residue trials on selected vegetable crops (1995)  
Perera, A.; Mubarak, A.M. - CISIR  
KEYWORDS: Pesticide Residues; Vegetable Crops - 1920

## 4.2 Aquatic Chemistry

- 4.2.1 Microstructured semi - conductor photocatalysts for destruction of organic contaminants and removal of heavy metals in water. ( 1995 )  
Tennakoon, K. - IFS  
KEYWORDS: Water Quality; Heavy Metals; Semiconductors - 1931
- 4.2.2 Investigation of quality parameters of the Mahaweli water from the Polgolla barrage to the Kalawewa reservoir under various operation conditions. ( 1996 )  
Nandalal, K.D.W.; Ediriweera, S.W. - UOP - MA  
KEYWORDS: Quality Parameters; Water Quality; Reservoirs - 2019

## 4.3 Biochemistry

- 4.3.1 Latex bitumen emulsions in road construction ( 1989 )  
Liyanage, N.M.V. Kalyani - RRI  
KEYWORDS: Bitumens; Emulsion; Surfactants - 1057
- 4.3.2 Polycyclic Aromate Hydrocabons in coconut products. ( 1994 )  
Samarajeewa, U. - UOP  
KEYWORDS: Hydrocarbon; Copra; Coconut Products - 1781
- 4.3.3 Chemistry and bioactivity of glycosides of some Sri Lankan Sapindaceae and Combretaceae ( 1995 )  
Jayasinghe, H.H.M.U.L.B. - IFS  
KEYWORDS: Bioactivity - 1925
- 4.3.4 Analysis of pesticide residues in vegetables and urine of pesticide sprayers ( 1995 )  
De Alwis, H. - UOC  
KEYWORDS: Pesticide Residues; Vegetable Crops - 1926
- 4.3.5 Laboratory studies of bitter principles and debittering of palmyrah fruit pulp for new products. (1995 )  
Jansz, E.R.; Abeysekera, A.M. - UOSJ  
KEYWORDS: Bitter Principles; Palmyrah - 1928
- 4.3.6 Isolation and characterization of new antibiotics from local fungi ( 1995 )  
Herath, W.H.M.W. - MRI  
KEYWORDS: Antibiotics; Fungi - 2006
- 4.3.7 Plant tissue based electrodes for detection of herbicides ( 1996 )  
Navaratne, A. - UOK  
KEYWORDS: Herbicides - 2009
- 4.3.8 Isolation purification and characterisation of invertase from novel natural sources ( 1996 )  
Weerasooriya, M.K.B. - UOK  
KEYWORDS: Natural Products - 2012

#### 4.4 Chemical Ecology

- 4.4.1 Chemical/Biochemical method in the control of the Shot Hole Borer problem in the tea plant. (1992)  
Herath, N. L. - TRI  
KEYWORDS: Insects; Tea Plants; Pest Control - 1103
- 4.4.2 Biochemical pest control (1995)  
Kumar, V.; Dissanayake, C.A. - UOP - IFS - TRI  
KEYWORDS: Pest Control - 1622
- 4.4.3 Biopesticides (1986)  
Wickremasinghe, L.K.G.; Fernando, I.V.S. - UOK  
KEYWORDS: Insect Repellents; Pesticides; Insect Control - 1645

#### 4.5 Chemical Engineering

- 4.5.1 Fluidized bed gasification and pyrolysis of bio - mass (1994)  
Fernando, W.J.N.; Hewitt, G.F.; Nawas, M.I.M; Ratnayake, R.M.R.K.;  
Senanayaka, D.P. - UOP  
KEYWORDS: Biomass; Gasification - 1776

#### 4.6 Environmental Chemistry

- 4.6.1 Water quality in the system "H" of the Mahaweli project. (1993)  
De Alwis, P. - NARA  
KEYWORDS: Environmental Pollution; Water Quality - 1161
- 4.6.2 Monitoring of pollutants in a lagoon & potential application of semiconductors for their degradation (1993)  
Pathirana, M.K.K. Hema - UOR  
KEYWORDS: Pollution; Semiconductors; Ecosystems; Lagoons - 1412
- 4.6.3 Recycling of polymer waste ( to prevent polymer pollution ) (1995)  
Kularatne, K.W.S -OU  
KEYWORDS: Polymer Wastes; Pollution Control - 1569
- 4.6.4 Use of natural substances for treatment of industrial effluents (1994)  
Priyantha, N.; Tennakoon, D.T.B.; Perera, J.S.H.Q.; Ranatunga, R.P.J. - UOP  
KEYWORDS: Water Pollution; Industrial Effluents - 1793
- 4.6.5 Photodegradation of organic pollutants by semi - conductors (1992)  
Pathirana, H.M.K.K. - UOR  
KEYWORDS: Semiconductors - 1896
- 4.6.6 Investigation of the extent of air pollution in Sri Lanka through and precipitation measurements (1995)  
Ileperuma, O.A.; Ranatunga, R.P.J.; Kodituwakku, S. - UOP - DOM  
KEYWORDS: Air Pollution; Acid Precipitation - 1923

## **4.7 Food Chemistry**

- 4.7.1 Pesticide contamination in food ( 1995 )  
Wimalasena, S. - UOK  
KEYWORDS: Food; Pesticides - 1651

## **4.8 Gemmology**

- 4.8.1 Investigation of the enhancement in colour upon heat - treatment of geuda or blue sapphires (1994 )  
Rupasinghe, M.S.; - IFS  
KEYWORDS: Gem; Chemical Composition; Heat Treatments - 1678
- 4.8.2 Chemical investigation and heat treatment on Sri Lanka geuda ( 1995 )  
Rupasinghe, M.S.; Ileperuma, O.A.; Udawatte, C.P. - IFS  
KEYWORDS: Chemical Properties; Gem - 2007

## **4.9 Natural Products**

- 4.9.1 Chemical investigation of family Convolvulaceae ( 1993 )  
Dharmaratne, H.R.W.; Herath, H.M.T.B. - IFS  
KEYWORDS: Chemical Properties ; Plants - 1894
- 4.9.2 Insecticidal and other bioactive compounds from the Thymelaeaceae of Sri Lanka ( 1992 )  
Wickramasinghe, A. - UOP  
KEYWORDS: Insecticides - 1897
- 4.9.3 Identification and chemistry in regard to mosquito repellent properties of different species of local plants such as madurutala etc. ( 1995 )  
Senanayake, U.M.; Weerasckera. G.M. - CISIR  
KEYWORDS: Mosquito Repellents - 1924

## **4.10 Pharmacology**

- 4.10.1 Standardization and evaluation of anti inflammatory drugs used in ayurveda ( 1994 )  
Arambewela, L.S.R.; Serasinghe, P. - CISIR  
KEYWORDS: Diseases; Quality Control; Toxicology; Drugs; Ayurvedic Medicine -1674
- 4.10.2 Development of products from Alorevera with special reference to burn applications ( 1994 )  
Arambewela, L.S.R.; Amarasinghe, L. - CISIR  
KEYWORDS: Cosmetics; Agronomy - 1675
- 4.10.3 Enzyme regulators from Sri Lankan medicinal plants ( 1994 )  
De Silva, E.D. - OU  
KEYWORDS: Medicinal Plants - 1906

## 4.11 Photochemistry

- 4.11.1 Development of solar cells based on sensitised colloidal TiO<sub>2</sub> films ( 1993 )  
Illeperuma, O.A. - UOP  
KEYWORDS: Solar Cells - 1898
- 4.11.2 Investigation of adulteration of essential oils with special reference to Citronella oil. ( 1995 )  
Dayananda, K.R. - CISIR  
KEYWORDS: Essential oils; Citronella - 1927

## 4.12 Rubber Technology

- 4.12.1 Depolymerized natural rubber ( 1992 )  
De Silva, K. K.G. - RRI  
KEYWORDS: Depolymerization; Natural Rubber - 1031
- 4.12.2 Rubber blends/composites ( 1993 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Natural Rubber - 1032
- 4.12.3 Superior processing rubbers are mainly used to make extruded tubings and calenderd sheets with a smooth surface finish at moderate and elevated temperatures by blending unvulcanized and prevulcanized latices. ( 1995 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Natural Rubber - 1034
- 4.12.4 Modified latices in product development ( eg. for screen printing/textile coating/metal coating/rubber based emulsion paint ) ( 1992 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Natural Rubber; Rubber Products - 1035
- 4.12.5 Improvements in radiation vulcanisation ( 1989 )  
Liyanage, N.M.V.K. - RRI  
KEYWORDS: Latex; Vulcanization; Rubber Products - 1056
- 4.12.6 Superior processing rubbers and heat resistant rubber ( 1986 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Heve; Natural Rubber; Rubber Products - 1731
- 4.12.7 Cyclised rubber as co reinforcing filler for shoe soles ( 1995 )  
Goonetilleke, S.A.P.P. - RRI  
KEYWORDS: Hevea; Natural Rubber - 1732
- 4.12.8 Preparation and applications of epoxidised natural rubber ( 1991 )  
Goonetilleke, S.A.A.P. - RRI  
KEYWORDS: Hevea; Rubber Industry; Natural Rubber - 1733
- 4.12.9 Preparation of constant viscosity rubber ( 1994 )  
Goonetilleke, S.A.P.P. - RRI  
KEYWORDS: Hevea - 1734

- 4.12.10 Effect of gel content on prevulcanisation of latex during storage ( 1995 )  
Goonetilleke, S.A.P.P. - RRI  
KEYWORDS: Hevea; Latex; Vulcanization - 1735
- 4.12.11 Depolymerized natural rubber ( 1992 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Depolymerization; Natural Rubber; Hevea - 1739
- 4.12.12 Thermoplastic natural rubber ( 1992 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Natural Rubber; Hevea - 1740
- 4.12.13 Analysis of latex proteins ( 1994 )  
De Silva, K.G. K. - RRI  
KEYWORDS: Latex; Rubber Products; Natural Rubber - 1741
- 4.12.14 Compression set behaviour of rubber vulcanization ( 1993 )  
De Silva, S.M.C.E. - RRI  
KEYWORDS: Hevea; Vulcanization - 1743

## **5 Earth Sciences**

### **5.1 Geology**

- 5.1.1 Structural geology ( 1996 )  
Kehelpannala, K.V.W. - IFS  
KEYWORDS: Geology; Tectonics; Mineralisation; Elements Mobility - 2047

### **5.2 Minerology**

- 5.2.1 Reconnaissance kaolin survey in the Borellesgamuwa area ( 1995 )  
De Silva, K.T.U.S.; Damayanthi, Tilina - GSMB  
KEYWORDS: Minerology - 1556
- 5.2.2 Southern area development - mineral resources ( 1995 )  
Weerakoon, D.P.R.; Siripala, M. - GSMB  
KEYWORDS: Minerology - 1557

## **6 Education**

### **6.1 Science**

- 6.1.1 Scientific illiteracy in Sri Lanka's population groups, prevalence, social, educational and administrative significance ( 1991 )  
Arsecularatne, S.N.; Kasturiarachchi, N.D. - UOP  
KEYWORDS: Literacy - 1870
- 6.1.2 Development of a suitable teaching method on environmental pollution for tertiary level education. ( 1995 )  
Fernando, S.A. - UOC  
KEYWORDS: Teaching Methods - 2029
- 6.1.3 Study to map the environment to learn science in the junior secondary schools in Sri Lanka and assess how it affects the teaching learning situation in years 9 - 11 ( 1994 )  
Ganewatte, M. - Piliyandala Central College  
KEYWORDS: Assesment - 1903
- 6.1.4 Principal's leadership qualities that contribute to teachers motivation and loyalty with special emphasis on science education. ( 1995 )  
Hettige, A.M. - UOC  
KEYWORDS: Motivation - 2028
- 6.1.5 The role of the upper primary teacher in designing and using instructional strategies in environmental studies:a critical review with special reference to Sri Lanka. ( 1993 )  
Premaratne, R.M. - OU  
KEYWORDS: Environmental Studies; Teaching Strategies - 2025

## **7 Energy**

### **7.1 Alternative Energy**

- 7.1.1 Energy conservation and usage of alternate energy sources for curing of tobacco ( 1980 )  
Leaf Research Manager - CTC  
KEYWORDS: Energy Sources; Tobacco; Fuels - 1760
- 7.1.2 Disposal of market garbage by anaerobic digestion producing fertilizer and bio gas (1995)  
Silva, G. - SEC - MOST  
KEYWORDS: Garbage Disposal; Biogas; Anaerobic Digestion - 1997
- 7.1.3 Alternatives sources of energy, fluid mechanics and power hydraulics, building heat transfer and modelling, heat transfer studies ( 1995 )  
Attalage, R.A. - UOM  
KEYWORDS: Energy Sources - 1845
- 7.1.4 Fluid dynamics, aero dynamics, alternative energy sources, acoustics ( 1995 )  
Sugathapala, A.G.T. - UOM  
KEYWORDS: Fluid Mechanics; Energy Sources - 1846
- 7.1.5 Heat transfer, enhancements, energy systems, alternative energy sources, gas turbine cogeneration ( 1995 )  
Perera, K.K.C.K. - UOM  
KEYWORDS: Thermodynamics; Energy Sources - 1847

### **7.2 Energy Conservation**

- 7.2.1 Self regulated fluorescent lamp ballast ( 1993 )  
Wimalaratne, G.B. - NERD  
KEYWORDS: Fluorescent Lamps - 1341
- 7.2.2 Improved firewood stoves ( 1990 )  
Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Fuelwood; Deforestation - 1386
- 7.2.3 Energy efficiency of fluorescent lamps ( 1995 )  
Leelaratne, M.W. - NERD  
KEYWORDS: Energy Efficiency; Fluorescent Lamp - 1711
- 7.2.4 Energy efficiency in buildings ( 1994 )  
Fernando, W.J.L.S. - SLEMA  
KEYWORDS: Lightning; Energy Efficiency - 1957
- 7.2.5 Energy conservation through efficient lighting technology for household ( 1993 )  
Wijeratne, D.G.D.C.; Lucas, J.R.; Perera, H.Y.R.; Wijayatunga, D.D.C.;  
Siyabalapitiya, T.; Jayasekera, T.A.K. - UOM  
KEYWORDS: Energy Conservation; Electricity - 0034

### 7.3 Renewable Energy

- 7.3.1 Installation of D.C. pump driven by wind generator ( 100w ) ( 1995 )  
Wickramasinghe, T.A.; Narayana, M. - NERD  
KEYWORDS: Generators - 1702
- 7.3.2 Longterm performance of flat plate solar collector sub system for Sri Lanka ( 1995 )  
Attalage, R.A.; Abhayarathne, W.A.M.P.; Fonseka, M.M.S.; Liyanage, H.L. - UOM  
KEYWORDS: Utilizability; Solar Energy - 1815
- 7.3.3 Geological and geophysical investigations for geothermal energy in Sri Lanka - study of Maha Oya of Mahaplena thermal ( 1994 )  
Fonseka, G.H. - IFS  
KEYWORDS: Geothermal Energy; Thermal Energy - 1960
- 7.3.4 Estimation of solar radiation ( 1994 )  
Peiris, T.S.G. - CRI  
KEYWORDS: Solar Energy; Solar Radiation - 1026
- 7.3.5 Solar water heating ( 1985 )  
Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Solar Energy - 1390
- 7.3.6 Solar energy in tea drying process ( 1994 )  
Mohamed, M.T. Ziyad; Peterson F. - TRI  
KEYWORDS: Solar Energy; Tea; Drying Process - 1638
- 7.3.7 Exploitation of solar energy for office illumination ( 1995 )  
Leelaratne, M.W.; Namal, D.D.A. - NERD  
KEYWORDS: Solar Energy; Energy Efficiency - 1709
- 7.3.8 Effectiveness of sun control films in conserving energy ( 1996 )  
Leelaratne, M.W.; Razmi, M.M.A. - NERD  
KEYWORDS: Energy Conservation; Solar Energy - 1710
- 7.3.9 Use of solar energy for tea processing ( 1995 )  
Seneviratne, S.K.; Mohamed, M.Z. - UOP  
KEYWORDS: Solar Energy; Tea Processing - 1770
- 7.3.10 Uninterrupted drying of agricultural products based on solar radiation ( 1995 )  
Fernando, W.J.N.; Ratnayake, R.M.A.S. - UOP  
KEYWORDS: Solar Energy; Solar Drying; Barn; Agricultural Products - 1777
- 7.3.11 Design & construction of low cost heliostat ( 1995 )  
Watugala, G.K.; Abhayaratna, N.A.M.P.; Fonseka, M.M.S.; Liyanage, H.L. - UOM  
KEYWORDS: Heliostats; Solar Energy - 1821
- 7.3.12 Solar and wind energy utilization, Machine tools technology ( 1995 )  
De Silva, P.A. - UOM  
KEYWORDS: Refrigeration; Air Conditioning - 1837

## **8 Engineering Sciences**

### **8.1 Archeology**

- 8.1.1 Ancient irrigation technologies ( 1990 )  
Fernando, M. P.; Jayawardena, R.A. - IFS  
KEYWORDS: Technological Development - 1681
- 8.1.2 Ancient materials:sources, use and technology ( 1992 )  
Seneviratne, S.; Fernando, M. P. ; Dayasisira, H.G. - IFS  
KEYWORDS: Mineral Resources; Metals; Gems - 1682

### **8.2 Automation**

- 8.2.1 Computer based methodology for evaluating building air conditioning load ( 1995 )  
Attalage, R.A.; Fonseka, W.S.A.; Fonseka, W.S.T. - UOM  
KEYWORDS: Air Conditioning - 1817
- 8.2.2 Traffic signal lights ( 1994 )  
Jayasinghe, J.A.K.S.; Kumarage, A. - UOM  
KEYWORDS: Traffic Signals - 1834
- 8.2.3 Furnace control, NC part programming and machine control, mathematical modelling in design analysis ( 1995 )  
Watugala, G.K. - UOM  
KEYWORDS: Control Systems - 1838
- 8.2.4 Industrial metallurgy studies, tool/die heat treatment, mathematical modelling/NC programming in design analysis and tool design. ( 1995 )  
Tittagala, S.R. - UOM  
KEYWORDS: Metal Forming - 1840
- 8.2.5 Vibrations in mechines and cutting tools, automobile engineering and agricultural machinery, design of machinery for small industries and domestic use.  
Karunaratne, G. - UOM  
KEYWORDS: Machine Design; Mathematical Modelling - 1841
- 8.2.6 Internal combustion engines: control applications in marine systems ( 1995 )  
Piyasiri, T.A. - UOM  
KEYWORDS: Marine Engineering - 1842
- 8.2.7 Dynamics of mechanical transmission systems, lubrication of elements of power transmission, geometric modelling in design analysis. ( 1995 )  
Perera, P.A.B. - UOM  
KEYWORDS: Marine Engineering - 1843
- 8.2.8 Computer/aided modelling and multi - objective decision making methods applied to engineering and ship design problems, ship hydrostatics and stability ( 1995 )  
Wimalasiri, W.K. - UOM  
KEYWORDS: Naval Architecture - 1844

- 8.2.9 Computer aided design and manufacturing ( 1995 )  
Perera, H.S.C. - UOM  
KEYWORDS: Manufacturing Systems; Engineering - 1849
- 8.2.10 Feasibility of using product models for representing building information. ( 1995 )  
Dias, W.P.S. - UOM  
KEYWORDS: Models - 1990
- 8.2.11 Inventory control ( 1995 )  
Chandrasiri, M.S. - UOM  
KEYWORDS: Industrial Engineering - 1848

### **8.3 Building Construction**

- 8.3.1 Development of a light weight door panel ( 1996 )  
NERD Centre - NERD  
KEYWORDS: Building Materials - 1714
- 8.3.2 Development of a wall panel for buildings ( 1996 )  
NERD Centre - NERD  
KEYWORDS: Building Materials - 1715
- 8.3.3 Low income housing ( 1995 )  
Majeed, F.M. - NBRO  
KEYWORDS: Housing Design - 1758
- 8.3.4 Building energy efficiency: building envelope analysis ( 1994 )  
Attalage, R.A.; Jayasooriya, J. - UOM  
KEYWORDS: Building Envelope; Building Codes - 1816
- 8.3.5 Development of blended cements using agricultural wastes. ( 1994 )  
NBRO  
KEYWORDS: Blended Cements - 1283
- 8.3.6 Development of pozzolanic cements based on local geomaterials. ( 1994 )  
Boghawatta, V.T.L. - NBRO  
KEYWORDS: Pozzolanic Cements - 1282
- ### **8.4 Coast Conservation**
- 8.4.1 Development of an integrated shoreline management framework for coastal protection in Sri Lanka ( 1993 )  
Hettiarachchi, S.S.L. - UOM  
KEYWORDS: Coastal Protection; Shoreline Management - 1893

## **8.5 Electronics**

- 8.5.1 Design of data logger for power quality monitoring. ( 1992 )  
Kularatne, Nihal; Hewawickrama, S.; Liyanage, D.N.; Godakumbura, S.D. - ACCMT  
KEYWORDS: Microprocessors; Electronic Equipment - 1267
- 8.5.2 Programmable Logic Controller ( P.L.C ) ( 1996 )  
NERD Centre - NERD  
KEYWORDS: Automation; Industrial Products; Quality Improvement - 1716
- 8.5.3 Universal timer ( 1995 )  
NERD Centre - NERD  
KEYWORDS: Automation; Quality Improvement; Industrial Products - 1717
- 8.5.4 Electronics toys ( 1996 )  
NERD Centre - NERD  
KEYWORDS: Toys; Self Employments - 1718
- 8.5.5 Teaching aids ( 1995 )  
NERD Centre - NERD  
KEYWORDS: Teaching Aids; Experimental Instruments - 1719
- 8.5.6 Light sensitive switch with Timer ( 1996 )  
NERD Centre - NERD  
KEYWORDS: Automation - 1720

## **8.6 Pilot Plants**

- 8.6.1 Design and development of a small scale paddy dryer. ( 1994 )  
Senanayake, D.P. - RPRDC  
KEYWORDS: Harvesting; Rice; Dryer - 1246
- 8.6.2 Design and development of a mobile dryer for rural level drying of parboiled and raw paddy ( 1994 )  
Senadeera, R.N. - RPRDC  
KEYWORDS: Paddy Husk; Agricultural Wastes; Fuel - 1531
- 8.6.3 Design and development of a husk blower for domestic parboiling ( 1995 )  
Ellewela, N.D.H. - RPRDC  
KEYWORDS: Parboiling; Husk Blower; Energy Sources - 1533
- 8.6.4 Design and development of a rice flaking machine ( 1994 )  
Dahanayake, A.J.G.S.; Malkanthi, K.K.S. - RPRDC  
KEYWORDS: Rice Flakes; Food Processers; Rice Products - 1534
- 8.6.5 Technology transfer through hypercard ( 1994 )  
Ranaweera, M.P.; Leckie, F.A. - UOP  
KEYWORDS: Technology Transfer - 1579
- 8.6.6 Development of 200W low speed permanent magnet generator ( 1996 )  
Wimalaratne, G.B. - NERD  
KEYWORDS: Generators - 1696

- 8.6.7 Application of induction generators as stand alone system ( 1996 )  
Wijesiriwardana, N.G.D. - NERD  
KEYWORDS: Generators - 1697
- 8.6.8 Water pump controller ( 1995 )  
Nanayakkara, A.K.S. - NERD  
KEYWORDS: Water Pumps - 1698
- 8.6.9 Cement block testing machine 15, 25 & 50 ton capacity ( 1995 )  
Jayalath, N.M.; Withanage, D.J.P.K. - NERD  
KEYWORDS: Machinery - 1699
- 8.6.10 Multibladed windmill for water pumping ( 1995 )  
Wickramasinghe, T.A.; Narayana - NERD  
KEYWORDS: Windmill; Water Pumps - 1700
- 8.6.11 Dynamic Balancing Machine ( 1995 )  
Jayalath, N.M.; Perera, M.V.S.A. - NERD  
KEYWORDS: Machinery - 1701
- 8.6.12 Small scale vegetable drier ( 1995 )  
Adhikarinayake, T.B. - NERD  
KEYWORDS: Vegetable Dryer - 1704
- 8.6.13 Medium capacity vegetable drier ( 1996 )  
Jayalath, N.M.; Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Solar Cooker - 1721
- 8.6.14 Medium capacity copra drier ( 1996 )  
Jayalath, N.M.; Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Solar Drier; Copra; Energy Sources - 1722
- 8.6.15 Solar refrigeration ( 1996 )  
Jayalath, N.M.; Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Refrigeration; Solar Ice Box; Activated Carbon; Storage  
Conditions - 1724
- 8.6.16 Design of sea wave harnessing device with maximum efficiency ( 1995 )  
Obeysekera, B.R.K.; Gunawardane, D.D.G.S.P. - UOP  
KEYWORDS: Energy Sources - 1769
- 8.6.17 A design for a more economical spark ignition internal combustion engine ( 1995 )  
Jayatilleke, G.L.V. - UOP  
KEYWORDS: Fuel Consumption - 1783
- 8.6.18 Design and construction of a low cost pyranometer ( 1996 )  
Alahakoon, P.M.K. - UOP  
KEYWORDS: Instrumentation; Solar Energy; Pyranometer; Radiation  
Sensors - 1795

- 8.6.19 A low cost sensor for food colour measurement ( 1996 )  
Alahakoon, P.M.K. - UOP  
KEYWORDS: Instrumentation; Colour Sensors; Colorimetry - 1796
- 8.6.20 A low cost nitriding furnace for tool steels ( 1992 )  
Thilakawardane, D.; Tittagala, S.R. - UOM  
KEYWORDS: Nitriding; Surface Treatment - 1818
- 8.6.21 Design and construction of a passive ventilation device ( 1996 )  
Sugathapala, A.G.T.; Attalage, R.A. - UOM  
KEYWORDS: Ventilation Systems - 1820
- 8.6.22 Design and construction of horizontal axis wind - mill ( 1996 )  
Sugathapala, A.G.T.; Attalage, R.A. - UOM  
KEYWORDS: Wind Mill - 1822
- 8.6.23 Improvement of mini/micro hydro turbines ( for local manufacture ) ( 1994 )  
Fernando, M.A.R.V. - RSSR Consultants  
KEYWORDS: Hydro Turbines - 1959
- 8.6.24 Viability of anaerobic filters and wetland systems for sewage treatment under Sri Lankan conditions. ( 1995 )  
Wickramanayake, N.P.; - UOP  
KEYWORDS: Anaerobic Filters; Wetland Systems - 1988
- 8.6.25 Suitability of dynamic roughing filters as pretreatment systems for slow sand filters in Sri Lanka ( 1995 )  
Amirthanathan, G.E.; Jayalath, J.M.J.C.; Padmasiri, J.P. - UOP - NWSDB  
KEYWORDS: Filters - 1989

## 8.7 Science Education

- 8.7.1 Development of a low cost colorimeter and low cost analytical experiments for undergraduate teaching and research. ( 1995 )  
Fernando, S.A. - UOC  
KEYWORDS: Experiments - 1918

## 8.8 Town planning

- 8.8.1 Guidelines for developing place sensitive towns in Sri Lanka ( 1995 )  
Dayaratne, R. - UOM  
KEYWORDS: Guidelines; Architecture - 2042
- 8.8.2 Guidelines for developing habitable town centers and its applicability towards the creation of habitable urban environment ( 1995 )  
Dayaratne, R. - UOM  
KEYWORDS: Architecture - 2043

## 9 Environmental Sciences

- 9.1 Chemical decontamination of organic pollutants from aquatic systems ( 1995 )  
Weerasooriya, R.; Liyanagedara, M.; Priyadharsanee, V. - IFS  
KEYWORDS: Pollution; Aquatic Ecosystems; Organic Compounds - 1589
- 9.2 Control study on mitigation possibilities of green house gas emission with particular reference to energy and industrial sector. ( 1995 )  
Fernando, W.J.N.; Wijeratne, K.W.N.S. - UOP  
KEYWORDS: Mitigation; Greenhouse Gases; Transport; action Climatology - 1778
- 9.3 Investigation of the selected heavy metals in sediment and biota of Kelani river ( 1993 )  
Jayatunga, Y.N.A. - UOC  
KEYWORDS: Pollution; Heavy Metals - 1306
- 9.4 Study on treatment of distillery waste ( 1995 )  
Shanthichandran, W.K.W. - SRI  
KEYWORDS: Environmental Pollution; Distillery Waste - 1606
- 9.5 Environmental radioactivity ( 1993 )  
Hewamanna, R.  
KEYWORDS: Environmental Radioactivity - 1342
- 9.6 Acidity of rain water in Sri Lanka ( Jan. 1994 )  
Silva, E.I.L.; Manuweera, L. - IFS  
KEYWORDS: Acid Rain; Environmental Pollution; Industrialization - 1586
- 9.7 Use of aquatic plants as environmental cleaners ( 1996 )  
Priyantha, N. - UOP  
KEYWORDS: Aquatic Plants; Heavy Metals; Water Pollution - 1794
- 9.8 Studies on methane emission from paddy fields in Sri Lanka and options for its mitigation. ( 1995 )  
Namaratne, S.Y.; De Alwis, W. - IFS  
KEYWORDS: Biogas; Paddy; Mitigation - 1561
- 9.9 Removal of excess nitrate from chemically treated peat. ( 1994 )  
Weerasooriya, R.; Dharmarathne, R.; Namaratne, S. - IFS  
KEYWORDS: Water Treatment; Purification - 1588
- 9.10 The impact of paraquat on paddy soil/water environment of Kaudulla area of Sri Lanka. ( 1995 )  
Namaratne, S.Y.; Gunaratne, H.P.G. - IFS  
KEYWORDS: Paddy; Soil; Environmental Impact - 1562
- 9.11 Development of low cost waste water treatment system ( 1996 )  
NERD - NERD  
KEYWORDS: Waste Water Treatment; Anaerobic Digestion - 1713

- ✓ 9.12 Pesticides residue analysis in well water ( 1997 )  
Wettasinghe, A. - HORDI  
KEYWORDS: Pesticides; Metabolites - 2062
  
- 9.13 Assessment of pollution load from chemical laboratories ( 1995 )  
Arewgoda, C.M. - UOK  
KEYWORDS: Pollutants; Heavy Metals - 1646
  
- 9.14 Investigation of the accumulation of selected heavy metals in sediments and biota of the  
Kelani river ( 1995 )  
Jayatunga, Y.N.A.; Fernando, S.A. - UOC  
KEYWORDS: Heavy Metals; Sedimentation - 1885
  
- 9.15 Potable water ( 1995 )  
Jayalath, N.M.; Jayasuriya, J.A.A.D. - NERD  
KEYWORDS: Drinking Water; Solar Puddle; Pasteurization; Water Purification - 1723

## 10 Fisheries

### 10.1 Fishery

- 10.1.1 Identification and study of the ecology of fish populations in rice fields of Nilwala region in Southern Sri Lanka ( 1994 )  
Amarasinghe, N.J.De.S. - UOR  
KEYWORDS: Ecology; Fish Culture - 1508
- 10.1.2 Small - scale fishing ( Sri Lanka ) ( 1993 )  
Amarasinghe, O. - UOR  
KEYWORDS: Fishery Technology; Fishery Management; Catching Methods; Artisanal Fishing - 1528
- 10.1.3 Captive breeding of endemic fish in Sri Lanka ( 1995 )  
Assistant Director, Young Zoologist Association - ZOO  
KEYWORDS: Endemic Fishes; Fish Breeding; Fishery Biology; Fish Habbits - 1521
- 10.1.4 Biology, ecology, population dynamics, and breeding in captivity of endemic ornamental fish in river systems of Southern Sri Lanka. ( 1995 )  
Cumaranatunga, P.R.T. - UOR  
KEYWORDS: Fishery Biology; Ornamental Fishes - 1916
- 10.1.5 Resource surveys for large pelagic resources within the EEZ of Sri Lanka ( 1993 )  
Dayaratna, P. - NARA  
KEYWORDS: Exclusive Economic Zone; Fishery Resources; Exploratory Fishing - 1159
- 10.1.6 Histamine in dried/canned fish in Sri Lanka ( 1994 )  
Fonseka, T.S.G. - NARA  
KEYWORDS: Canned Products; Dried Products; Histamine - 1165
- 10.1.7 Mollusc culture project ( 1994 )  
Kithsiri, H.M.P. - NARA  
KEYWORDS: Fishery Biology; Mollusc Culture; Fish Population; Fish Dynamics - 1152
- 10.1.8 Fish plankton interactions and controlling of algal blooms in Kotmale reservoir ( 1995 )  
Piyasiri, S. - UOSJ  
KEYWORDS: Reservoirs; Fish plankton; Algal blooms - 1890
- 10.1.9 Trace metals in freshwater fish. ( 1996 )  
Silva, E.I.L. - IFS  
KEYWORDS: Trace Metals; Industrial Pollution; Fish - 2061
- 10.1.10 Effects of level of hybridization between *Oreochromis niloticus* & *O. mossambicus* on their fecundity & sterility. ( 1993 )  
Cumaranatunga, P.R.T. - UOR  
KEYWORDS: Hybridization; Fecundity; Sterility; Fish growth; Prawns - 1030

## **10.2 Aquaculture**

- 10.2.1 Disease out breaks in shrimp culture system on problem soils ( 1994 )  
Jayasinghe, J.M.P.K. - NARA  
KEYWORDS: Shrimp Culture; Fish Diseases - 1158
- 10.2.2 Utilization of molluscs in shrimp farm effluents. ( 1992 )  
Jayasinghe, J.M.P.K. - NARA  
KEYWORDS: Environmental Impact - 1258

## **10.3 Aquatic Biology**

- 10.3.1 Gonadal development cycle in selected important marine food fish caught in the Southern coastal region of Sri Lanka. ( 1994 )  
Cumaranatunga, P.R.T. - UOR  
KEYWORDS: Spawning; Reproduction; Food fish - 1304
- 10.3.2 Water quality management and disease control in endemic ornamental fish culture ( 1995 )  
Nilakarawasam, N. - UOR  
KEYWORDS: Water Quality; Ornamental Fishes; Fish Culture - 2031

## **10.4 Coastal Environment**

- 10.4.1 Research on the natural resources, management in the coastal environment of Sri Lanka: pelagic productivity, plankton, fish population dynamics, small plagic fisheries and fish resources ( 1995 )  
Cumaratunga, P.R.T. - UOR  
KEYWORDS: Fisheries Management - 2022

## **10.5 Fishery Technology**

- 10.5.1 Utilization of Oil Extracts from fish waste for food and feed purposes( 1994 )  
Jayaweera , V.; Liyanage, C. - NARA  
KEYWORDS: Fish; Utilization; Lipids; Oil Extraction - 1168

## **11 Food Science**

- 11.1. Nutrition analysis in food ( 1993 )  
Wimalasena, S. - UOK  
KEYWORDS: Nutrition; Fish; Yam; Fibres; Foods; Food Analysis - 1648
- 11.2 Control of histamine production and removal of histamine in fish ( 1994 )  
Samarajeewa, U. - UOP  
KEYWORDS: Histamine; Fish , Enzyne - 1782
- 11.3 Effect of marinades and method of cooking on the quality of cooked beef. ( 1995 )  
Wijayawardana, K.H.R.; Cyril, H.W.; Fonseka, T.S.G. - PGIA  
KEYWORDS: Cooking Methods; Beef - 2081

## **12 Information Sciences**

### **12.1 Computer Science**

- 12.1.1 Testing and evaluation of the designed computer system to SRI ( 1994 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Data Analysis; Software Engineering - 1111
- 12.1.2 Improve efficiency of biometrical methods used in experimental design and data analysis in sugarcane research by developing a computer expert system ( 1995 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Data Analysis; Software Engineering - 1574

### **12.2 Management Information Systems**

- 12.2.1 Computer based decision models in the management information systems of manufacturing and trading organisation, computer aided process planning ( CAPP ) ( 1995 )  
Nanayakkara, L.D.J.F. - UOM  
KEYWORDS: Information Systems - 1839
- 12.2.2 Management Information Systems for production organisations ( 1996 )  
Nanayakkara, L.D.J.F.; Chandrasiri, M.S.; Dassanayake, V.P.C. - UOM  
KEYWORDS: Production Management; Information Systems - 1819

### **12.3 Networking**

- 12.3.1 Extending the developed computer system as a Local Area Network ( LAN ) in order to allow multi - user access to the system and data sharing among different users. ( 1994 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Data Transmission Systems - 1112
- 12.3.2 Expansion of the developed computer system ( to SRI ) as a Local Area Network ( LAN ) in order to share all available computer resources at SRI ( 1994 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Computer Science - 1576
- 12.3.3 Access to other global networks like INTERNET in order to improve computer facilities for research functions. ( 1995 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Computer Science; Network - 1577
- 12.3.4 Staff training in Information Technology ( IT ) in order to augment the use of developed computer system ( LAN ), electronic mail and use of INTERNET ( 1995 )  
Weerasinghe, S.K. - SRI  
KEYWORDS: Information Technology; Computer Sciences; Intrenet - 1578

## **12.4 Science & Technology**

### **12.4.1 Buffalo information dissemination programme ( 1995 )**

Abeygunawardena, H.; Siriwardena, A.J.de S.; Perera, B.M.O.A. - UOP - DAPH - NLDB

KEYWORDS: Information Dissemination; Buffalo - 2021

### **12.4.2 Preparation of a comprehensive database on selected industrially important medicinal and aromatic plants of Sri Lanka ( 1996 )**

Warnasuriya, D.S.T.; Dissanayaka, H.N.K.; Jayasinghe, P.N. - CISIR

KEYWORDS: Databases; Medicinal Plants; Aromatic Plants ;Computer Applications - 1976

### **12.4.3 Information needs and information gathering behaviour of researchers in humanities, culture and Social Sciences in Universities of Sri Lanka ( 1996 )**

Illeperuma, S. - UOP

KEYWORDS: Information Sciences - 1975

## **13 Medical Sciences**

### **13.1 Biochemistry**

- 13.1.1 Inhibitors of cartilage destruction: identification and characterisation ( 1995 )  
Bandara, G. - UOP  
KEYWORDS: Cartilage Destruction; Pathology; Inhibitors - 1543
- 13.1.2 Studies towards developing an orientation course in biochemistry for medical students (1996 )  
Jansz, E.R.; Ekanayake, S.; Samaranayake, M. - UOSJ  
KEYWORDS: Introductory Course - 1800
- 13.1.3 An establishment of a laboratory protocol for the estimation of fructosamine and the establishment of reference values for Sri Lanka ( 1995 )  
Withana, R.J. - UOSJ  
KEYWORDS: Serum Fructosamine - 1801
- 13.1.4 Bioavailability of dietary iron, copper and zinc and its relationship to the phytate, tannin and calcium concentration ( 1992 )  
Wimalasiri, W.R. - UOP  
KEYWORDS: Bioavailability - 1881
- 13.1.5 Testing the efficacy of organ preservation solutions using metabolic function tests on stored tissue (1993 )  
De Mel, T.; Sheriff, R. - UOC  
KEYWORDS: Organ Preservation - 1882
- 13.1.6 Detection and typing of Human papillomavirus DNA in cervical intraepithelial neoplasia and carcinoma in a cohort of Sri Lankan women ( 1995 )  
Karunaratne, K.; De Silva, N.R. - Cancer Hospital - MRI  
KEYWORDS: Human Papillomavirus; DNA - 1942

### **13.2 Community Medicine**

- 13.2.1 A study to determine the knowledge, attitude and practices of air force personnel towards sexually transmitted diseases ( 1994 )  
Dharmage, D.K. - Air Force  
KEYWORDS: Sexual Practices; Infectious Diseases - 1022
- 13.2.2 A study of factors influence in patient satisfaction in family practices of Colombo. ( 1994 )  
De Silva, G. - MOH  
KEYWORDS: Patient Satisfaction; Health Services - 1052
- 13.2.3 Study of weaning practices in relation to socio - cultural behaviour ( 1993 )  
De Silva, D.G.H.; De Silva, D.S. - UOR  
KEYWORDS: Malnutrition; Nutrition; Social Practices - 1520
- 13.2.4 Knowledge, attitudes, practices and behaviour studies on filariasis and community acceptance of impregnated curtains. ( 1995 )  
Weerasooriya, M.V.; Wickremasinghe, A.R.; De Silva, A.; Mudalige, S.M. P. - UOR  
KEYWORDS: Filaria; Insecticides - 1594

- 13.2.5 Effect of an educational programme on primary dysmenorrhoea with special reference to absenteeism from school ( 1995 )  
Balasuriya, P. - UOP  
KEYWORDS: Diseases; Education - 1775
- 13.2.6 K.A.P. on reproductive health out of school youth - Sri Lanka ( 1996 )  
Wijewardena, K. - UOK  
KEYWORDS: Health Sciences - 1851
- 13.2.7 K A P study on AIDS - Sri Lanka school and University student ( 1995 )  
Goonaratne, C.; Samarasinghe, D.; Wijewardene, K. - UOK  
KEYWORDS: Infected Diseases - 1852
- 13.2.8 Documentation of youth health and needs ( 1996 )  
Abeyasinghe, R.; Wijewardene, K. - UOK  
KEYWORDS: Health Needs - 1853
- 13.2.9 Assesment of Urban basic services ( 1996 )  
Wijewardana, K.; Liyanage, R.; Witanage, S.; Suraweera, R.; Rubasinghe, M.; Sebamali, M. - UOK  
KEYWORDS: Health Sciences - 1854
- 13.2.10 Study of factors influencing attempted suicides in an identified population and cost incurred by Department of Health Services to treat them in Hospitals ( 1996 )  
Peiris, T.S.R. - MOH  
KEYWORDS: Suicide; Epidemiology - 2001
- 13.2.11 Cross sectional community based study on the prevalence of glaucoma ( 1996 )  
Rawoof, U.H.R. - HCD  
KEYWORDS: Eye Diseases - 2003
- 13.2.12 Clinical Epidemiology of obesity in Sri Lankan urban and rural population ( 1996 )  
Siriwardana, S.H.; Fernando, D.J.S.; -UOC  
KEYWORDS: Obesity; Epidemiology - 2004

### 13.3 Dental Sciences

- 13.3.1 Cephalometric measurements of treated and untreated adolescents with cleft lip and palate ( 1994 )  
Amaratunga, N.A. de S.; Karalasingham - UOP  
KEYWORDS: Cephalometry; Mouth Abnormalities - 1526
- 13.3.2 Structural analysis of the edge of the cleft lip and palate in individuals with cleft lip and palate (1996 )  
Angunawela, P.; Wijayaweera, C.J. - UOC - UOSJ  
KEYWORDS: Mouth Abnormalities - 2005
- 13.3.3 Longitudinal study on the eruption of the permanent dentition in children in high and low socio - economic status in Kandy ( 1994 )  
Chandrasekera, M.S.; Nanayakkara, D. - UOP  
KEYWORDS: Permanent Dentition; Socio-Economic Indicators - 1592

- 13.3.4 Study of radiographic features of partially erupt or unerupt lower third molar ( LTM ) teeth in first year dental students ( 1996 )  
Weerasinghe, J.U.; Vidya, T. - UOP  
KEYWORDS: Radiography; Dental Sciences - 1791
- 13.3.5 Experimental study of the posterior composite restorations during static and dynamic compression (1993 )  
Amaratunga, D.I.; Peiris, L.C.L. - UOP  
KEYWORDS: Posterior Composite - 1889
- 13.3.6 Periodontal status of pregnant women and women using hormonal contraceptives. ( 1995 )  
Ranasinghe, A.M.; Tilakaratne, A. - UOP  
KEYWORDS: Periodontal Status; Hormonal Contraceptives - 1933
- 13.3.7 Establishment of norms for the time of eruption of the permanent dentition in Sri Lankan Sinhalese children of low and high socio - economic status ( 1996 )  
Chandrasekera, M.S.; Nanayakkara, C.D. - UOP  
KEYWORDS: Dentition; Dentistry - 2030
- 13.3.8 Development of appropriate technology for root canal therapy evaluation of one visit treatment procedure using ZnO/E as cement ( 1995 )  
Wijeratne, K.M. - UOP  
KEYWORDS: Aproprate Technology; Tooth Treatments - 1785
- 13.3.9 A study of the patterns and the underlying causes of tooth mortality of permanents and the underlying causes of tooth mortality of permanent teeth ( 1995 )  
Ravindran, K. - UOP 1787  
KEYWORDS: Dentition
- 13.3.10 The application of oral cytology in the diagnosis of pre - malignancy and malignancy - a quantitative study. ( 1995 )  
Ramesh, T. - UOP  
KEYWORDS: Oral Diseases; Cytology - 1788
- 13.3.11 Study of Squamous Cell Carcinoma in the mandible. The relationship of Carcinoma to the born, modes of entry and pathology of oral squamous Cell carcinoma in relation to the mandible is described  
Mendis, B.R.R.N. - UOP  
KEYWORDS: Carcinomas - 1790
- 13.3.12 Some aspects of bone in chronic inflammatory periodontal disease;in this study factors responsible for the loss of inter - redicular bone is looked at. ( 1995 )  
Mendis, B.R.R.N.; - UOP 2055  
KEYWORDS: Periodonatl Diseases
- 13.3.13 Prevalence of root carries among a selected population in Sri Lanka, together with new insights into the histopathology and the management of the disease;electron microprobe analysis of carious and normal cementum will also be described. ( 1995 )  
Mendis, B.R.R.N.; - UOP 2056  
KEYWORDS: Histopathology

- 13.3.14 Determination of iron status in children with cleft - lip & cleft palate deformity. ( 1993 )  
Gunarwardena, R.H.; Weerasinghe, J. - UOP  
KEYWORDS: Nutrient Status; Mouth Abnormalities - 1514

### 13.4 Forensic Medicine

- 13.4.1 Analysis of human skeletal and dental remains excavated at Polonnaruwa and compilation of a catalogue ( 1994 )  
Chandrasekera, M.S.; Wikramanayake, E. - UOP  
KEYWORDS: Catalogue; Dentition; Human Bones - 1593
- 13.4.2 Study of poisoning in Kurunagala District ( 1996 )  
Wijewardana, K.; Werahere, H.B.P.L. - UOK  
KEYWORDS: Poisoning - 1856

### 13.5 Gynaecology

- 13.5.1 Comparison of characteristics of women using depo provera and intra uterine device ( 1994 )  
Jayasekera, C. - NIHS  
KEYWORDS: Characteristics; Intrauterus Devices - 1755
- 13.5.2 Sperm preparation and in utero insemination in the management of subfertility ( 1994 )  
Goonewardene, I.M.R.; Weerasooriya, T.R. - UOR  
KEYWORDS: Sperm Preparation; Insemination; Subfertility - 1825
- 13.5.3 Iron stores and its correlation to haemoglobin levels in pregnancy ( 1990 )  
Goonewardene, I.M.R.; Liyanage, C. - UOR  
KEYWORDS: Nutrient Deficiency; Haemoglobin; Pregnancy - 1826
- 13.5.4 Iron status of parturient mothers and their new born babies ( 1994 )  
Goonewardene, I.M.R.; Liyanage, C. - UOR  
KEYWORDS: Iron Status; New Born Babies - 1830
- 13.5.5 Prevalence, bacteriological aetiology and antibiotic susceptibility pattern of asymptomatic bacateriuria in pregnancy ( 1995 )  
Wickramasinghe, R.S.B.; Karunaratne, G.K.D. - MRI  
KEYWORDS: Bacteria; Pregnancy - 1939

### 13.6 Health Planning

- 13.6.1 Use of a computer based rheumatic fever register ( 1995 )  
Mohideen, R.; De Silva, D.G.H.; Ekanayake, R. - UOR  
KEYWORDS: Computer Application - 1517
- 13.6.2 Analysis of National Drug Policies ( 1995 )  
Weerasuriya, K. - UOC  
KEYWORDS: Drug Policy; Pharmacology - 1525

- 13.6.3 A study on the effectiveness of an intervention programme to improve the quality of death certification in a defined district of Sri Lanka ( 1995 )  
Fernando, D.N.; Fonseka, W.A.A.P. - UOC  
KEYWORDS: Mortality; Quality Criteria - 1541
- 13.6.4 Anti - epileptic drugs:usage & pharmacokinetics in a Sri Lankan population. ( 1994 )  
Mendis, B.L.J. - UOK  
KEYWORDS: Drugs; Pharmacokinetics - 1566
- 13.6.5 Community control of malaria:IDRC bed net project ( 1993 )  
Mendis, K. - UOC  
KEYWORDS: Malaria; Disease Control - 1807
- 13.6.6 The audit of surgical services provided at base hospital Hambantota ( 1996 )  
Fernando, Ranil; Fonseka, N.; Gurusinghe, K.K.; Liyanagama, Y.S. - UOR  
KEYWORDS: Audit; Surgical Services - 1824
- 13.6.7 Antenatal iron supplementation:only thrice a week ( 1994 )  
Goonewardene, C; Liyanage, C. - UOR  
KEYWORDS: Nutrient Supplementation - 1828
- 13.6.8 Antenatal iron supplementation:once a week only ( 1994 )  
Goonewardene, I.M.R.; Liyanage, C. - UOR  
KEYWORDS: Nutrient Supplementation - 1829
- 13.6.9 Disease burden in Sri Lanka ( 1995 )  
Wijewardena, K.; Spore, M. - UOK  
KEYWORDS: Diseases; Drugs - 1850
- 13.6.10 Malaria health case indicators 1989 - 1993 ( 1996 )  
Wijewardana, K.; Gunasekara, P.C.; Mendis, K. - UOK  
KEYWORDS: Malaria - 1855
- 13.6.11 Regional linkage grant for training in tropical diseases ( 1993 )  
Naotunne, T.De.S.; Mendis, K.; Indraratna,K.; Lwin, M. - UOC  
KEYWORDS: Malaria; - 1772

### 13.7 Paediatrics

- 13.7.1 Use and comprehension of growth charts by mothers and primary health care workers ( 1995 )  
Ruberu, D.U.; De Silva, D.G.H. - UOR  
KEYWORDS: Growth Charts; Human Growth - 1519
- 13.7.2 Lipids in maternal and cord blood ( 1993 )  
Sivakanesan, R.; Watawana, L. - UOP  
KEYWORDS: Lipid Level; Heart Diseases - 1544

- 13.7.3 Correlation of the morphology of umbilical cord and the levels of trace elements in cord blood in low birth weight babies ( 1995 )  
Chandrasekera, M.S.; Nanayakkara, D. - UOP  
KEYWORDS: Morphology; Umbilical Cord; Trace Elements; Low Birth Weight Babies - 1591
- 13.7.4 Influence of low birth weight on the developmental outcome of school children in one year (1993 )  
Dharmage, S.C.; Fernando, D.N. - UOC  
KEYWORDS: Child Behaviour; Child Growth - 1767
- 13.8 Parasitology**
- 13.8.1 Uptake, development and parasite yield of *Wuchereria bancrofti* in *Culex quinquefasciatus* when fed on carriers with different densities of microfilariae (mf) and the significance of low density microfilaraemia in transmission in Matara, Sri Lanka ( 1995 )  
Mudalige, S.M.P. - UOR  
KEYWORDS: Filara; Parasites; Mosquitoes - 1538
- 13.8.2 Comparative efficacy of permethrin lambdacyhalothrin ( icon ) and bendiocarb impregnated house curtains against the vector of bancroftian filariasis *Culex quinquefasciatus* in Matara (1994 )  
Weerasooriya, M.V.; Munasinghe, C.S.; Curtis, C.F.; Mudalige, S.M.P. - UOR  
KEYWORDS: Insecticides; Filaria; Mosquitoes - 1539
- 13.8.3 To evaluate the impact of 1. use of insecticide impregnated curtains 2. mass chemotherapy with diethylcarbamazine ( DEC ) at 6mg/kg b.w. binnually 3. combination of both interventions on transmission of bancroftian filariasis in four villages in Matara ( 1995 )  
Weerasooriya, M.V.; Mudalige, S.M.P.; Samarawickrema, W.A.; Wickremasinghe, A.R.; Weerasooriya, T.R.; Wijegunawardena, R. - UOR  
KEYWORDS: Filaria; Insecticides - 1595
- 13.8.4 Parasite and host genetic determinants of malaria pathogenesis ( 1995 )  
Handunnetti, S.M. - UOC  
KEYWORDS: Malaria; Pathogenesis; Genetic Factors; Pathology; Parasites - 1754
- 13.8.5 Implementation of new methods of malaria control in Sri Lanka based on molecular immuno - epidemiological and socioeconomic studies on *P. vivax* and *P.falciparum* ( 1994 )  
Mendis, K. - UOC  
KEYWORDS: Malaria; Parasitology; Malaria Control; Socio Economic Indicators - 1765
- 13.8.6 Community control of malaria ( 1993 )  
Mendis, K. - UOC  
KEYWORDS: Malaria - 1766
- 13.8.7 *P. vivax* malaria in man anti disease and transmission blocking immunity ( 1993 )  
UOC  
KEYWORDS: Mosquito; Immunopathology; Malaria - 1768

- 13.8.8 Development and testing of an MSP - 1 based asexual blood stage vaccine candidate for *P. vivax* using natural, homologous simian host - parasite system ( 1996 )  
Handunnetti, S.M.; Longacre, S. - UOC  
KEYWORDS: Malaria; Mosquitoes - 2048
- 13.8.9 Safety Studies on the use of combinations of Albendazole with Ivermectin on DEC  
Jayakody, R.L.  
KEYWORDS: Filariasis Drugs, Disease Control - 2088
- 13.8.10 Effect of combination of anthelmintic management of lymphatic filariasis ( 1995 )  
Ismail M.M.; Jayakody, R.L. - UOC  
KEYWORDS: Filariasis - 1835
- 13.9 Pathology**
- 13.9.1 Nosocomial infections in the Intensive Care Unit and the Dialysis Unit - General Hospital Colombo ( 1996 )  
Wanigasuriya, J.K.P.; Sheriff, R. - UOSJ - UOC  
KEYWORDS: Health Sciences - 2020
- 13.9.2 Screening of newborn babies for Glucose - 6 - Phosphate dehydrogenase ( G - 6PD ) deficiency and Thalassaemia ( 1994 )  
Dissanayake, D.M.; Ellepola, S.B. - UOP  
KEYWORDS: Nutrient Deficiency; Pathology - 1515
- 13.9.3 Prevalence of blastocytis in chronic recurrent abdominal pain in children ( 1994 )  
De Silva, D.G.H.; Mendis, L. - UOR  
KEYWORDS: Pathology - 1518
- 13.9.4 Screening of natural inhibitors of human immuno deficiency virus proteinase ( 1993 )  
Senarath, B.P. Athauda; Takahashi, K. - UOP  
KEYWORDS: Inhibitors; HIV Proteinase; AIDS; Medicinal Plants - 1546
- 13.9.5 Goitrogenic factors leading to endemic goitre in Sri Lanka ( 1994 )  
Thavarajah, P. - UOP  
KEYWORDS: Thyroid Diseases; Goitrogenic Factors - 1548
- 13.9.6 Follow up and management of patients with thyroid disease ( 1995 )  
Fernando, R.; Fonseka, N. - UOR  
KEYWORDS: Thyroid Diseases - 1549
- 13.9.7 Changes in Antioxidant levels in Coronary Artery bypass surgery ( 1996 )  
Chandrasena, L.G. - UOK  
KEYWORDS: Bypass Surgery - 2002
- 13.9.8 Immunological study of bullous diseases in Sri Lanka ( 1994 )  
Angunawela, P.; Tissera, A - UOC  
KEYWORDS: Pathogenes; Immunofluorescence - 1773

- 13.9.9 Expiratory mouth pressures in Sri Lankans ( 1995 )  
Udupihille, M. - UOP  
KEYWORDS: Respiration; Mouth Pressure - 1779
- 13.9.10 Efficacy of single dose albendazole/ivermectin against *W. bancrofti* ( 1996 )  
Ismail, M.M. - UOC  
KEYWORDS: Microfilaraemia - 1804
- 13.9.11 Fine needle aspiration cytology in surgical management of thyroid disease ( 1996 )  
Fernando, R.; Fonseka, N.; Amarasinghe, U.G.N.K.; Kasturiarachchi, S.M.W. - UOR  
KEYWORDS: Thyroid Diseases - 1823
- 13.9.12 Efficacy of the current antenatal oral iron supplementation programme ( 1992 )  
Goonewardene, I.M.R.; Liyanage, C. - UOR  
KEYWORDS: Nutrient Supplementation - 1827
- 13.9.13 Typing of Herpes Simplex Viruses ( HSV ) isolated from genital and non genital lesions in Sri Lanka ( 1992 )  
Mendis, L.; Karunanayake, E.H.; Senanayake, C. - UOC  
KEYWORDS: Infected Diseases - 1880
- 13.9.14 Post traumatic stress disorders ( 1993 )  
Somasundaram, D.J.; Sivashankar, R.; Damian, S. - UOJ  
KEYWORDS: Traumatic Disorders; Pathology - 1883
- 13.9.15 Persons with glucose - 6 - phosphate dehydrogenase ( G6PD ) deficiency ( 1993 )  
Chandrasena, L.G. - UOK  
KEYWORDS: Nutrient Deficiency - 1884
- 13.9.16 Atherosclerotic Arterial disease in a cross section of Sri Lankans ( 1994 )  
Kumarasinghe, M.P.; Senaratne, J.W.B. - UOC  
KEYWORDS: Diseases - 1907
- 13.9.17 Study of preventive aspect of sexual transmission of STD/AIDS in a high risk population ( 1995 )  
Buddhakorale, K. - Central V.D. Clinic  
KEYWORDS: Transmission Diseases; Infected Diseases - 1936
- 13.9.18 Study of clinical, epidemiological, diagnostic and molecular aspects of blastocystis hominis ( 1995 )  
Mendis, L. - UOC  
KEYWORDS: Microbiology - 1937
- 13.9.19 Determination of the immunological status of patients with dermatophytosis with special references to cell mediated immunity ( 1995 )  
Attapattu, M. - MRI  
KEYWORDS: Dermatophytosis; Immunity - 1941
- 13.9.20 Epidemiological study on visual defects and Amblyopia among school children ( 1995 )  
UOR  
KEYWORDS: Eye Disease - 1944

- 13.9.21 Study on strongyloides infection in man and its relationship to strongyloidiasis in toque (*Macaca sinica*) monkeys in Udawattakele, Kandy. ( 1995 )  
Wijesundera, M.K. de S.; Edirisinghe, J.S.; Weilgama, D.J. - UOP  
KEYWORDS: Strongyloides Infections; Toque Mmonkeys; Human Diseases - 1945
- 13.9.22 Prevalence of Hepatitis B virus serological markers in multi - transfused haemolytic anaemia children ( 1995 )  
Gunasena, S.; Mendis, L. N. - UOK  
KEYWORDS: Viruses; Diseases - 1993
- 13.9.23 Use of antigens of *Setaria digitata* adults for the development of a DOT - ELISA technique specific for Bacroftian filariasis ( 1995 )  
Ekanayake, S. - UOSJ  
KEYWORDS: Antigens; Filariasis - 1998
- 13.9.24 Relationship between Microalbuminuria, Dyslipidaemia, blood glucose and Fructosamine and the Antioxidant status in Sri Lankan diabetics ( 1996 )  
Sivakanesan; R.; Illangasekera, V.U.L. - UOP  
KEYWORDS: Diabetics; Blood Glucose, Diseases - 1999
- 13.9.25 Bacterial aetiological agents of skin sepsis in children with special reference to Group A streptococci in Sri Lanka ( 1996 )  
Wickremasinghe, R.S.B. - MRI  
KEYWORDS: Bacteria; Diseases - 2000

### 13.10 Pharmacology

- 13.10.1 Evaluation of the implementation of the WHO ethical criteria for medicinal drug promotion (1995 )  
Weerasuriya, K. - UOC  
KEYWORDS: Drugs - 1524
- 13.10.2 Prescription of non steroidal antiinflammatory drugs in Sri Lanka ( 1994 )  
Mendis, B.L.J. - UOK  
KEYWORDS: Drugs - 1563
- 13.10.3 Food habits & pharmacokinetics in Sri Lanka ( 1994 )  
Mendis, B.L.J. - UOK  
KEYWORDS: Pharmacokinetics; Foods - 1567
- 13.10.4 Isolation of cardiac glycosides in kaneru seed ( 1996 )  
Peris, H.; Wedage, S.; Samaranayake, S. - UOSJ  
KEYWORDS: Cardiac Glycosides; Kaneru Seed; Poisoning - 1802

## **13.11 Physiology**

- 13.11.1 Investigation of mechanisms of nephrotoxicity in envenomed rabbits using the isolated perfused kidney (1995)  
De Mel, T.; Gunathilaka, M. - UOC  
KEYWORDS: Nephrotoxicity; Rabbits; Kidney - 1938
- 13.11.2 Study on the duration of lactational amenorrhoea, lactational performance, lactational behaviour and endocrine profiles in lean and obese women. (1995)  
Tennekoon, K.H.; Wasalathanthri, S. - UOR  
KEYWORDS: Lactation; Endocrine Profiles - 1943

## **14 Natural Resources**

### **14.1 Coastal Resources**

- 14.1.1 Research on the natural resources management in the coastal environment of Sri Lanka ( 1995 )  
Dayaratne, P. - NARA

KEYWORDS: Coral Reefs; Coastal Community; Fishery Resources - 2023

- 14.1.2 Inland coral deposits of South West Sri Lanka ( 1994 )

Weerakoon, D.P.R. - GSMB

KEYWORDS: Corals - 1558

### **14.2 Geological Resources**

- 14.2.1 Geological and economic significance of the gem gravel deposits in the Hambantota district (1995 )

Katupotha, K.N.J. - UOSJ

KEYWORDS: Gem; Minerals - 1929

### **14.3 Mineralogy**

- 14.3.1 Localization of gem deposits ( 1992 )

Rupasinghe, M.S.; Dissanayake, C.B. - IFS

KEYWORDS: Gems; Sedementation; Minerals - 1590

- 14.3.2 Determiation of the composition of graphite bearing fluids in the earth's crust and origin of vein graphite in Sri Lanka ( 1996 )

Kehelpannala, K.V.W. - IFS

KEYWORDS: Geology; Minerals - 1984

- 14.3.3 Gold exploration in Sri Lanka ( 1991 )

Nawaratne, S.W.; Wijeratne, G.N. - IFS

KEYWORDS: Economy; Minerals - 1581

- 14.3.4 Localization of gem deposits ( 1992 )

Rupasinghe, M.S.; Dissanayake, C.B. - IFS

KEYWORDS: Gems; Sedementation; Miners - 1590

- 14.3.5 Development of new methods for gem exploration - application of the Rb/SR techniques ( 1996 )

Rupasinghe, M.S. - IFS

KEYWORDS: Geology; Gem ; Minerals - 1986

- 14.3.6 Gold exploration in Sri Lanka ( 1991 )

Nawaratne, S.W.; Wijeratne, G.N. - IFS

KEYWORDS: Economy; Minerals - 1581

- 14.3.7 Kaolin survey in the South - West sector Sri Lanka ( 1994 )

De Silva, K.T.U.S.; Damayanthi, T. - GSMB

KEYWORDS: Minerols - 1559

#### **14.4 Natural Disasters**

- 14.4.1 Landslides hazards caused by granite quarrying projects around Sooriyakanda in the Kolonna Divisional Secretariat area ( 1995 )  
Katupotha, K.N.J. - UOSJ  
KEYWORDS: Geology; Landslides - 1978
- 14.4.2 Landslides hazard mapping in the district of Badulla and Nuwar Eliya ( 1990 )  
Shamlac, R.K. - NBRO  
KEYWORDS: Landslides - 1759
- 14.4.3 Landslide hazard mapping project. ( 1994 )  
HSD Staff - NBRO  
KEYWORDS: Landslide - 1296
- #### **14.5 Conservation**
- 14.5.1 Socio economic valuation and conservation of tropical forests: case of wetzone natural forests in Sri Lanka  
KEYWORDS: Forest; Socio-Economics Indicators - 2039

## **15 Physical Sciences**

### **15.1 Atmospheric Physics**

- 15.1.1 Magnetic fields generated by tropical lightning with special attention to lightning localisation. (1993)  
Jayaratne, K.P.S.C. - UOC - 1029  
Keywords: Lightning
- 15.1.2 Measurement of air earth conduction current density ( in Sri Lanka ) and the study of its relationship to global electric circuit ( 1992 )  
Jayaratne, K.P.S.C. - UOC  
KEYWORDS: Electric Circuit - 1977
- 15.1.3 Research on lightning discharges characteristic to Sri Lanka, their interaction with power and telecommunication networks and the spatial distribution of ground flash density. ( 1995 )  
Jayaratne, K.P.S.C. - UOC  
KEYWORDS: Lightning; Telecommunication - 1991

### **15.2 Mechanics**

- 15.2.1 Three - body collisions in one - dimension ( 1995 )  
Bandarage, G. - OU  
KEYWORDS: Ionization,; Collision - 1568

### **15.3 Meteorology**

- 15.3.1 For an area of 100km around Colombo:identifying damages to life and property by lightning discharges and developing a technique of forecasting movement of thunderstorms using wind field. ( 1995 ) Abhyasingha Bandara, K.R. - DOM  
KEYWORDS: Lightning - 1930
- 15.3.2 Study of climate trends over South Asia and their influence on Sri Lanka. ( 1996 )  
Sumathipala, W.L.- OU  
KEYWORDS: Climatic Influence - 2018

### **15.4 Photochemistry**

- 15.4.1 Electrodeposited Cuprous Oxide for solar cell applications ( 1995 )  
Siripala, W.P.; Jayasuriya, K.A.D.D - UOK  
KEYWORDS: Solar Cells - 2041

## **15.5 Physical Chemistry**

- 15.5.1 Effects of alervalent cation doping on electrical conductivity of inorganic compounds ( 1994 )  
Dharmaratna, W.G.D. - UOR  
KEYWORDS: Electrical Conductivity; Semiconducting Properties - 1771
- 15.5.2 Investigations of the semiconductor materials with disordered/ordered molecular arrangements ( 1996 )  
Fernando, A. - UOR  
KEYWORDS: Solar Energy - 1832

## **15.6 Solar Energy**

- 15.6.1 Photochemistry, solar energy conversion ( 1995 )  
Tennakoon, K. - IFS  
KEYWORDS: Semiconducting Devices; Photochemical Reactions - 1677

## **15.7 Solid State Physics**

- 15.7.1 Development of novel materials and devices based on polymers/natural rubber, semiconductors and graphite for energy conversion, storage and other applications ( 1995 )  
Bandara, H.M.N.; Rajapaksa, R.M.G.; Chandanie, A.D.L.; Premaratne, K.; Dissanayake, M.A.K.L. UOP  
KEYWORDS: Natural Rubber; Semiconductors - 1932
- 15.7.2 Synthesis and characterization of semiconductor thin films and mechanically milled powders.  
De Silva, K.T.L. - UOC  
KEYWORDS: Semiconductors; Photoelectric Devices - 1067
- 15.7.3 Synthesis and characterization and investigation of physical properties of new solid state ionic materials. ( 1992 )  
Dissanayake, M.A.K.L. - UOP  
KEYWORDS: Electrical Properties; Synthetical Methods; Inorganic Compounds - 1269
- 15.7.4 Preparation of thin films of magnetic and solar cell materials by D.C. sputtering ( 1996 )  
Samarasekera, P. - UOR  
KEYWORDS: Solar Cells; Magnetic Materials - 1833
- 15.7.5 Electro deposited Cuprous Oxide for Solar cell applications ( 1994 )  
Siripala, W.P. - UOK  
KEYWORDS: Solar Cells; Electro Deposition - 1904

## 16 Statistics

- 16.1 A simulation study of several tests of the equality of binomial probabilities against ordered alternatives ( 1995 )  
Kulatunga, D.D.S.; Sasabuchi, S.; Asai, M. - UOK  
KEYWORDS: Binomial Probabilities; Isotonic Regression; Power Properties - 1809
- 16.2 Comparison of powers of some tests for testing homogeneity under order restrictions in multivariate normal means ( 1994 )  
Kulatunga, D.D.S.; Sasabuchi, S. - UOK  
KEYWORDS: Multivariate; Order Restriction; Power Comparison - 1808
- 16.3 Yield forecasting in coconut ( 1996 )  
Peiris, T.S.G. - CRI  
KEYWORDS: Statistical Modeling; Coconut Palms; Productivity; Forecasting - 0031
- 16.4 Development alternative/new techniques for data analysis ( 1996 )  
Peiris, T.S.G. - CRI  
KEYWORDS: Multivariate; Data Analysis - 1008
- 16.5 Error minimizing studies in large selection populations ( stage 1- 111 ) ( 1994 )  
Wijesuriya, A.; Ubayasena, W.L.C. - SRI  
KEYWORDS: Sugarcane - 1607

## 17 Veterinary Sciences

### 17.1 Animal Health

- 17.1.1 Diagnosis of brucellosis and rinderpest using Enzyme Linked Immunosorbent Assay (ELISA) technique ( 1992 )  
Silva, I; Kulachlvy, K. - UOP  
KEYWORDS: Epidemiology; Animal Diseases; Disease Prevention - 1522
- 17.1.2 Laboratory and field studies on the keeping quality and efficiency of Newcastle disease and fowl pox vaccines ( 1992 )  
Jayawardane, G.W.L.; Kodituwakku, S.N. - VRI  
KEYWORDS: Animal Diseases; Pathology - 1873
- 17.1.3 Studies on sarcocystosis in cattle and goats in Sri Lanka. ( 1995 )  
Gunawardena, G.S.P. de S.; Navaratne, M.B. - VRI  
KEYWORDS: Animal Diseases - 1934
- 17.1.4 Validation of Aedes larval surveillance against Aedes ovitrap surveillance for the monitoring of *Aedes aegyti* ( Linnaeus ) and *Aedes albopictus* populations in a Colombo suburb. ( 1995 )  
Wijesundera, M. de S.; Gunawardana, P.D.S.M. - MRI  
KEYWORDS: Animal Populations - 1940
- 17.1.5 Studies on Gigantocotyle explanatum infection in buffaloes and cattle: development of serodiagnostic test and control measures of the infection  
Weilgama, D.J.; Abeygunawardena, I. - UOP  
KEYWORDS: Buffaloes - 1968
- 17.1.6 Physiological adjustment in indogenous buffaloes and their crosses in relation to the working ability UOP 1965  
KEYWIRDS: Physiological Changes

### 17.2 Animal Nutrition

- 17.2.1 Supplementation of dairy cattle on small farms in the mid - country. ( 1994 )  
Mangalika, U.L. - VRI  
KEYWORDS: Dairy Fasim; Nutrition; Cattle - 1259
- 17.2.2 Nutritional studies on indigenous buffaloes in relation to selected microtrends ( 1993 )  
Ranawana, S.S.E. - VRI  
KEYWORDS: Buffaloes - 1335
- 17.2.3 Mineral nutrition of indigenous buffaloes ( 1993 )  
Ranawana, S.S.E. - VRI  
KEYWORDS: Minerals; Nutrition; Buffaloes - 1383
- 17.2.4 Introduction of rice straw and critical supplements to the feeding regime of cattle under small farmer land limiting conditions. ( 1995 )  
Pathirana, K.K; Seresinghe, R.T. - UOR  
KEYWORDS: Cattle; Animal Production; Animal Feeding; Straw - 1529

- 17.2.5 Nutrient requirement of growing goats under Sri Lankan conditions ( 1992 )  
Premaratne, S. - UOP  
KEYWORDS: Nutrient Requirements; Animal Growth; Animal Physiology - 1792
- 17.2.6 Nutritional studies on the indigenous buffalo in relation to selected micronutrients. ( 1993 )  
Ranawana, S.S.E; Rajaratna, A.A.J. - VRI - UOP  
KEYWORDS: Nutrition; Buffaloes - 1866
- 17.2.7 Evaluation of non traditional feeds for supplementation in buffalo diets under intensive of semi intensive feeding system. ( 1995 )  
Perera, N. - UOP  
KEYWORDS: Feeding; Buffaloes - 1963
- 17.2.8 Effect of supplementary feeding on puberty of buffaloes ( 1996 )  
Perera, N. - UOP  
KEYWORDS: Buffaloes; Feeding - 1964
- 2.9 Urea molasses based feed as an economical feed source for dairy cattle. ( 1995 )  
Uthayathas, A. ; Perera, N.F. - PGIA  
KEYWORDS: Urea molasses feed; Dairy cattle; Feed source - 2073

### **17.3 Animal Production**

- 17.3.1 On farm reciprocal recurrent selection of layers evolved at CPRS ( 1993 )  
Gamage, D.V.S.De S. - VRI  
KEYWORDS: Eggs - 1381
- 17.3.2 Application of the California Mastitis Test ( CMT ) for buffalo milk ( 1994 )  
Silva, I.; Silva, K.F.S.T. - UOP  
KEYWORDS: Dairy Milk; Conductivity - 1523
- 17.3.3 Meat and carcass quality of buffaloes ( 1992 )  
Cyril, H.W. - UOP  
KEYWORDS: Buffaloes - 1970
- 17.3.4 Evaluation of etiology of low birth rate of domestic elephants ( 1994 )  
Atapattu, N.P. - PGIA  
KEYWORDS: Elephants; Evaluation; Etiology; Birth Rate - 1469
- 17.3.5 Genetic studies on two selected lines of single comb White Leghorn strains ( 1994 )  
Gamage, D.V.S. De S. - PGIA  
KEYWORDS: Poultry; Genetics - 1470

## **17.4 Farming**

- 17.4.1 Development of buffalo research farm Mawala ( 1992 )  
Kuruwita, V.Y.; Abeygunawardena, H. - UOP  
KEYWORDS: Buffaloes - 1971
- 17.4.2 SAREC/NARESA/NLDB Buffalo Research Station - Narangalla ( 1992 )  
Subasinghe, D.H.A.; Abeygunawardena, H.; Kuruwita, V.Y.; Ranawana, S.S.E.; De Alwis,  
M.C.L. - UOP - VRI  
KEYWORDS: Buffaloes - 1972
- 17.4.3 Study of sustainability of dairy cattle based family farming system in the Mid Country ( 1994 )  
Wimalasuriya, Rukman K. - VRI  
KEYWORDS: Dairy Farming; Cattle; Farming Systems - 1512

## **17.5 Parasitology**

- 17.5.1 An epidemiological study on Gastrointestinal Nematodiasis of cattle in the up - country wet -  
zone dairy farms in Sri Lanka ( 1994 )  
Jayasinghe, S.R. - VRI  
KEYWORDS: Nematodes; Epidemiology; Dairy Farms; Parasites - 1317
- 17.5.2 Incidence and prevalence of Helminth parasite of buffaloes. Life-cycles of the important  
paramphistomes and their transmission. ( 1992 )  
Jayasinghe, S.R.; Rajapakse, R.P.V.J. - VRI  
KEYWORDS: Buffaloes - 1967
- 17.5.3 Epidemiological study and control strategy of gastro intestinal parasites in goats ( 1995 )  
Rajapakse, R.P.V.J.; Horadagoda, N.U.; Faisal, A.C.M. - UOP - VRI  
KEYWORDS: Epidemiology; Parasites - 1995

## **17.6 Pathology**

- 17.6.1 Studies on fowl cholera in Sri Lanka. ( 1992 )  
De Alwis, M.C.L. - VRI  
KEYWORDS: Vaccines; Animal Diseases; Poultry; Serology - 1261
- 17.6.2 Isolation identification and characterisation of viruses causing economically important poultry  
diseases. ( 1995 )  
Gunawardena, G.S.P. de S. - VRI  
KEYWORDS: Viruses; Poultry Farms; Pathology - 1935
- 17.6.3 Viruses associated with diarrhoeas in buffalo calves ( 1992 )  
Mahalingam, S. - UOP  
KEYWORDS: Buffaloes; Animal Diseases - 1969

## 17.7 Reproduction

- 17.7.1 Performance of crossbred piglings issued by the Welisara farm ( 1994 )  
Gunaratne, U.G. - VRI  
KEYWORDS: Hybridization - 1312
- 17.7.2 Preliminary studies on artificial insemination( A.I )in water buffaloes in Sri Lanka ( 1989 )  
Kuruwita, V.Y.; Abeygunawardhana, H; Mohan, V - UOP - EU  
KEYWORDS: Artificial Insemination; Buffaloes - 1868
- 17.7.3 Further studies on reproduction in buffaloes:study of productive, reproductive and draught traits of cross - bred buffaloes and development ( 1992 )  
Abeygunawardena, H.; Kuruwita, V.Y.; Peiris, H.; Perera, Nimal - UOP  
KEYWORDS: Buffaloes; Reproduction - 1961
- 17.7.4 Use of artificial insemination technique to upgrade indigenous buffalo population ( 1992 )  
Kuruwita, V.Y.; Abeygunawardena, H. - UOP  
KEYWORDS: Artificial Insemination; Buffaloes - 1962
- 17.7.5 Identification of physiological marker/markers dual purpose goats for genetic evaluation in Sri Lanka ( 1996 )  
Satgunaratnam, K.; Jeyaruban, M.G. - PGIA  
KEYWORDS: Genetic evaluation; Goats - 2072

## Annexure III

### List of Institutions

ACCMT	-	Authur C Clerk Center for Modern Technologies
AMC	-	Anti - Malaria Campaign
BMARI	-	Bandaranaike Memorial Ayurvedic Research Institute
CEA	-	Central Environment Authority
CISIR	-	Ceylon Institute for Scientific & Industrial Research
CRI	-	Coconut Research Institute
CTC	-	Ceylon Tobacco Company
DAFH	-	Department of Animal Production and Health
DEA	-	Department of Export Agriculture
DNM	-	Department of National Museum
DOA	-	Department Of Agriculture
DOF	-	Department Of Forest conservation
DOH	-	Department Of Health
DOM	-	Department Of Meteorology
GSMB	-	Geological Survey & Mines Bureau
HEB	-	Health Education Bureau
HORDI	-	Horticulture Research & Development Institute (DOA)
IFS	-	Institute of Fundamental Studies
IUCN	-	The World Conservation Union
LWMRC	-	Land & Water Management Research Centre (DOA)
MA	-	Mahaweli Authority
MOH	-	Ministry Of Health
MOST	-	Ministry of Science & Technology
MRI	-	Medical Research Institute
NARA	-	National Aquatic Resources, Research & Development & Agency
NARESA	-	Natural Resources Energy & Science Authority
NBRO	-	National Building Research Organization
NERD	-	National Engineering Research & Development Centre
NIHS	-	National Institute Of Health Services
NLDB	-	National Livestock Development Board

NWSDB	-	National Water Supply and Drainage Board
OU	-	The Open University
PGIA	-	Post Graduate Institute of Agriculture
PGIM	-	Post Graduate Institute of Medicine
PGRC	-	Plant Genetic Resources Centre (DOA)
RPRDC	-	Rice Processing , Research & Development Centre
RRI	-	Rubber Research Institute
SEC	-	State Engineering Corporation
SRI	-	Sugarcane Research Institute
TRI	-	Tea Research Institute
UOC	-	University Of Colombo
UOJ	-	University Of Jaffna
UOK	-	University Of Kelaniya
UOM	-	University Of Moratuwa
UOP	-	University Of Peradeniya
UOR	-	University Of Ruhuna
UOSJ	-	University Of Sri Jayawardanapura
VRI	-	Veterinary Research Institute