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Groundnuts, as a food crop, contribute significantly to human diets in the Semi-Arid Tropics. World production of groundnuts is estimated to be an annual 18.5 million metric tons, grown on an area of 19.3 million hectares (an average yield of 958 kg/ha in shell). More than 70 percent of the world production is grown in developing countries, and India produces more than 5 million metric tons from 7 million hectares.

The Indian universities have made a considerable contribution to groundnut research, especially since Independence. This bibliography is a compilation of M Sc and Ph D theses on groundnuts submitted to Indian universities and institutions prior to 1977. The research results in these theses have not been previously published.

The bibliography contains 303 entries compared with 146 indexed earlier in our Bibliography of Theses on ICRISAT Specialities prior to 1975. Entries are arranged in alphabetical sequence by authors' surnames. Each entry gives the name of the scholar, title of his research topic, number of pages, the degree, its year of submission, the awarding university/institution and the name of the guide, wherever available. Subject and guide indexes are provided along with a list of degree-awarding universities/institutions, with addresses to make it easier for interested readers to contact them directly.

We would like to state that the information is collected mainly from secondary sources such as lists received from the heads of departments and libraries, and as such errors and omissions are unavoidable. It will be highly appreciated if errors are brought to our notice.

We are grateful to all who have cooperated in this venture. We are greatly indebted to Dr J S Kanwar, Associate Director, whose encouragement and enlightened guidance have helped us to complete this bibliography. The authors are also grateful to Dr R W Gibbons and associates of our Groundnut program for their valuable guidance and suggestions. We shall be failing in our duty if we do not thank Miss K K Vani for typing the masters and our Information Services for designing and printing the bibliography.

Authors
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10 ANANDAVALLY AMMA, P
Studies on sclerotal root-rot of groundnut (*Arachis hypogaea* L) caused by *Sclerotium rolfsii* Sacc.
M Sc (1973)-Tamil Nadu Agricultural University, Div of Plant Pathology, Coimbatore, Tamil Nadu. (N Shanmugam)

10a ANANTHARAMAN, R
Studies on vegetable protein isolates with particular reference to peanut (*Arachis hypogaea*).
Ph D (1963)-University of Bombay, Bombay, Maharashtra.

10b ANBALAGAN, S
Studies on certain enzymes occurring in the rhizospheres of ragi (*Eleusine coracana* Gaertn) and peanut (*Arachis hypogaea* L).
M Sc (1970)-Annamalai University, Faculty of Agriculture, Annamalainagar, Tamil Nadu. (N N Prasad)

10c ANDANI GOMDA
Moisture stress and hormonal influence on the flowering and yield in groundnut (*Arachis hypogaea* Linn).
M Sc (1977-78)-University of Agricultural Sciences, Dept of Agronomy, Bangalore, Karnataka.

11 ANGREG SINGH
Study on the effectiveness of chemical and mechanical methods of weed control in groundnut (*Arachis hypogaea* L).
M Sc (1971)-Guru Nanak Dev University, Khalsa College, Dept of Agriculture, Amritsar, Punjab. (Hardip Singh)

12 ANJANEYULU, S
Influence of dates of sowing, direct manuring and residual effect on yield of groundnut. 45 p.
M Sc (1974)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh. (T Bapireddy)

13 ANSARI, A A
Studies on the phosphate fertilization of groundnut in black soils.
M Sc (1971)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, College of Agriculture, Dept of Chemistry, Indore, Madhya Pradesh. (S B Sinha)

14 ANTONY, P C
Soil fertility as affected by basal application and foliar spray of urea to groundnut and soil moisture.
M Sc (1976)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, College of Agriculture, Dept of Chemistry, Indore, Madhya Pradesh. (R K Katre)

15 ARULSEKAR, S
Variation pattern in progenies of hybrids between different cultivated forms of groundnut (*Arachis hypogaea*).
M Sc (1973)-Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.
16 ASOKAN, S
Effect of forms and levels of boron application on progressive changes in soil nutrient availability, growth, yield and chemical composition of groundnut (*Arachis hypogaea* L).

17 AUJLA, SHAMSHER SINGH
Further studies on the pathogenesis in groundnut by *Aspergillus flavus* (Link ex Fries).
Ph D (1971)-Punjab Agricultural University, Ludhiana, Punjab.

17a AVADHANI, K K
Studies on the effects of diethyl sulphate on TMV2 groundnut (*Arachis hypogaea* L), v, 40 p.
M Sc (1967)-Andhra Pradesh Agricultural University, College of Agriculture, Hyderabad, Andhra Pradesh. (B V Ramana Rao)

18 BABJI, S
Studies on the biology and control of the groundnut seed beetle *Caryedon serratus* Oliver. 62 p.
M Sc (1976)-Andhra Pradesh Agricultural University, Agricultural College, Dept of Entomology, Bapatla, Andhra Pradesh. (K Tirumala Rao)

19 BADWAL, SATWANT SINGH
M Sc (1965)-Punjab Agricultural University, Ludhiana, Punjab. (J L Dalai)

20 BAINI, PRASAD SINGH
Farm efficiency standards of maize-wheat and groundnut-wheat crops in Samrala. vii, 46, xii p.
M Sc (1966)-Punjab Agricultural University, Ludhiana, Punjab. (A S Kahlon)

21 BAJWA, RAGHBIR SINGH
Study on the protein fractions and their amino acid composition of important groundnut (*Arachis hypogaea*) varieties of Punjab. vi, 54, iii p.
M Sc (1965)-Punjab Agricultural University, College of Agriculture, Hissar. (G S Sidhu)

22 BALAIAH, C
M Sc (1973)-Andhra Pradesh Agricultural University, Agricultural College, Dept of Botany, Bapatla, Andhra Pradesh. (P Subba Reddy)
22a BALANARASIMHA REDDY, S
Physiological studies on seed dormancy in groundnut, *Arachis hypogaea* L.
Ph D (1977)-Sri Venkateewara University, Tirupati, Andhra Pradesh.

23 BALARAMAN, K
Studies on certain aspects of pre-treatment of groundnut seeds with chemicals and *Rhizobium* sp. 119 p.
M Sc (1970)-Annamalai University, Faculty of Agriculture, Annamalai-faagar, Tamil Nadu. (N N Prasad)

24 BANS, ISHAR SINGH
Effect of herbicides on rhizosphere microflora and their interaction in groundnut (*Arachis hypogaea* L).
M Sc (1972)-Punjab Agricultural University, Ludhiana, Punjab.

25 BATHLA, RAJINDER NATH
Delineation of sulphur deficient soils of Haryana State and screening of some groundnut varieties for phosphorus, calcium, magnesium, potassium and sulphur nutrition, vi, 73, xi p.
M Sc (1971)-Haryana Agricultural University, Hissar, Haryana. (S M Virmani)

26 BEDEKAR, D B
Groundnut protein based malted milk food.
M Sc (1973)-University of Mysore, Mysore, Karnataka.

27 BHAHAD, G M
Studies on the effect of localized placement of superphosphate and ammonium sulphate in varying doses, on the growth and yield of groundnut (*Arachis hypogaea* Linn).
M Sc (1964)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

28 BHARGAVA, R D
Study on the effect of varying spacings on growth, yield and quality of groundnut.
M Sc (1963)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh.

29 BHARPUR SINGH
Genetic evaluation of pod yield and quality in groundnut (*Arachis hypogaea* L).

30 BHAT, GANAPATHI SHANKAR
Production and marketing of groundnut in Dharwar. ix, 125 p.
M Sc,(1958)-Karnatak University, Dharwar, Karnataka. (N P Patil)
31 BHOP, SAWING NATTRI  
Influences of sources and levels of boron on groundnut.  
M Sc (1967)-University of Madras, P G Training Centre, Div of  
Agronomy, Coimbatore, Tamil Nadu.

32 BIKRAM KUMAR  
Design of a groundnut dryer.  
B Sc (1975)-Punjab Agricultural University, Ludhiana, Punjab.

33 BIRAJDAR, J M  
Effect of irrigation as per cumulative pan evaporation and  
nitrogen and phosphate fertilization on growth, yield and quality  
of summer groundnut variety SBXI (Arachis hypogaea Linn).  
M Sc (1973)-Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra.  
(Y N Ingle)

34 BRAR, LALL SINGH  
Comparative effect of different herbicides at their different  
concentration on weed control in groundnut (Arachis hypogaea L).  

35 BUTANI, PC  
Investigations on some aspects of reproduction and population  
M Sc (1973)-Gujarat Agricultural University, Junagadh Agriculture  
College, Junagadh, Gujarat. (G M Talati)

36 CHAHAL, RANDHIR SINGH  
Uptake and translocation of sulphur, calcium and phosphorus in  
Ph D (1971)-Haryana Agricultural University, Hissar, Haryana.  
(S M Virmani)

36a CHANDRASEKHAR, P  
Effects of rhizosphere mycoflora on Rhizobium sp., specific to  
groundnut (Arachis hypogaea Linn) grown in red and black soils.  
x, 57 p.  
M Sc (1974)-Andhra Pradesh Agricultural University, College of  
of Agriculture, Hyderabad, Andhra Pradesh. (H S Nagaraj Rao)

36b CHANDRASEKHAR REDDY, S  
Agronomic investigations on irrigated groundnut (Arachis hypogaea  
L) under black clay soils.  
Ph D (1977-78)-University of Agricultural Sciences, Dept of  
Agronomy, Bangalore, Kamataka.

37 CHANDRASEKHARAN, S P  
Effect of boron on the availability of plant nutrients, yield and  
quality characters of groundnut soils of Tamil Nadu.  
M Sc (1975)-Tamil Nadu Agricultural University, Coimbatore,  
Tamil Nadu.
38 CHATURVEDI, D K
   Studies on the improvement of a ration based on rice polish and
groundnut cake for growing chickens with special reference to
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   M V Sc (1965)-Agra University, Agra, Uttar Pradesh.

39 CHAUDHRI, R R
   Range of variation in some quantitative characters of groundnut
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40 CHEEMA, PARAMJIT SINGH
   Evaluation of groundnut (Arachis hypogaea) varieties for protein
   (G S Ranhotra)

41 CHENDRAYAN, K C
   Studies on the effect of certain pesticides and trace elements pn
   M Sc (1975)-Annamalai University, Faculty of Agriculture,
Annalmalainagar, Tamil Nadu. (N N Prasad)

42 CHOPADE, A T
   Effect of application of sulphur on the composition, uptake of
nutrients and yield of groundnut.
   M Sc (1964)-Nagpur University, Nagpur Agriculture College,
Nagpur, Maharashtra.

42a DALAL, J L
   Range of variability in morphological and physiological
characters of groundnut and correlations between various
characters.
   M Sc (1948)-Punjab University, Chandigarh.

42b DAS, BARENDRA NARAYAN
   Studies on the action of certain synthetic plant hormones and
mineral elements on the growth, yield and quality of groundnut.
   Ph D (1977)-University of Gauhati, Gauhati, Assam.

43 DE, NRISINGHA KUMAR
   Effect of trace elements on growth and yield of soybean,
groundnut and rice. 238 p.
   Ph D (1973)-University of Kalyani, Kalyani, West Bengal,

44 DEKAT, BHASKAR NARAYANRAO
   Study of aflatoxin-producing potential of isolates of Aspergillus
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   (P D Wangikar)
45 DESHKAR, S M
M Sc (1962)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

46 DESHPANDE, P C
Growth, uptake of nutrients and yield of groundnut (*Arachis hypogaea* Linn) as influenced by graded levels of nitrogen, phosphorus and potassium. iv, 93 p.
(K R Pawar)

47 DESHPANDE, SUNIL LAXMANRAO

48 DHALJU, ARJAN SINGH

49 DHOLARIA, S J
M Sc (1971)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat. (S N Joshi)

50 DIGHE, J M
Influence of added P on nitrification and uptake of N by groundnut crop.
M Sc (1968)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, College of Agriculture, Dept of Chemistry, Indore, Madhya Pradesh. (S B Sinha)

51 DILLON, GURBACHAN SINGH
Effect of soil versus foliar application of nitrogen and phosphorus on groundnut under irrigated and unirrigated conditions.
M Sc (1975)-Punjab Agricultural University, Ludhiana, Punjab.

52 DODDAMANI, V S
Effect of different liming materials on the yield and uptake of added calcium by groundnut (*Arachis hypogaea* L) in two acid soils of Karnataka.
M Sc (1975-76)-University of Agricultural Sciences, Dept of Soil Science, Bangalore, Karnataka.
53 DONGALE, JAYAWANT HARI
Studies on the response of groundnut (Arachis hypogaea Linn) var SB-XI to the application of manganese, boron, sulphur, both in presence and absence of FYM and the residual effect of the same on the succeeding wheat (Triticum aestivum L) crop variety Kalyan sona.
M Sc (1974)-Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra. (G K Zen)

54 DOSANJH, INDERJEET SINGH
Impact of improved technology on groundnut production in Punjab; case study, vi, 79, xLili p.
M Sc (1969)-Punjab Agricultural University, Ludhiana, Punjab. (S S Johl)

54a EAPEN, K E
Key operations in the wet-rendering of peanut for isolation of protein, oil and starch.
Ph D (1966)-University of Kerala, Trivandrum, Kerala.

55 ESHWARAIAH
Studies on metabolisable energy of groundnut plant meal in chicks.
M V Sc (1971)-Andhra Pradesh Agricultural University, College of Veterinary Science, Hyderabad, Andhra Pradesh. (C V Reddy)

56 GADRI, NARHJDER SINGH
Studies on the effect of sowing dates and harvesting intervals on groundnut, vi, 50, vii p.
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab. (G S Gill)

57 GAJAR, J M
Studies on tikka disease of groundnut caused by Cercospora species. 77 p.
M Sc (1971)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat. (B K Mehta)

58 GANPATI SARAH
Effect of chemical mutagen on the induction of yield mutant in groundnut (Arachis hypogaea Linn).
M Sc (1973)-Rajendra Agricultural University, Tirhut College of Agriculture, Dept of Plant Breeding and Genetics, Dholi, Muzaffarpur, Bihar. (S Srivastava)

GILL, MODAN SINGH
Fatty acids metabolism in the peanut plant (Arachis hypogaea). v, 52 p.
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab. (I S Bhatia)
60  GILL, MODAN SINGH
Lipid metabolism in the maturing and germinating seeds of groundnut (*Arachis hypogaea*).
Ph D (1971)-Punjab Agricultural University, Ludhiana, Punjab.

61  GILL, PIARA SINGH
Effect of different planting dates on three spreading varieties of groundnut (*Arachis hypogaea L*) conducted under two dates of sowing.
M Sc (1972)-Punjab Agricultural University, Ludhiana, Punjab.

62  GOPAL SINGH, B
Studies on physiological and morphological effects of herbicides, Lasso and Tok E 25 on groundnut (*Arachis hypogaea L*). 40 p.
M Sc (1972)-Andhra Pradesh Agricultural University, Agricultural College, Dept of Botany, Bapatla, Andhra Pradesh.
(D J Chandra Singh)

63  GOPALA RAO, PARVATANENI
Physiological studies on the influence of NAA and MH on the acid metabolism and related phenomena during germination and seedling growth of groundnut (TMV-2) in dark.
Ph D (1964)-Sri Venkateswara University, Tirupati, Andhra Pradesh.
(I M Rao)

64  GOPALAKRISHNAMA NAIDU, L
Crop weed competition studies in rainfed groundnut (*Arachis hypogaea Linn*). 61 p.
M Sc (1977)-Andhra Pradesh Agricultural University, S V Agriculture College, Dept of Agronomy, Tirupati, Andhra Pradesh.
(G H Sankarareddy)

65  GOPALAKRISHNAN, S
Studies on certain aspects of the physiology of *Arachis hypogaea* (L).
Ph D (1965)-University of Madras, Madras, Tamil Nadu.

66  GOPINATHAN NAIR, P
Breeding "behaviour of interspecific hybrids in the genus *Arachis*.
M Sc (1962)-University of Madras, P G Training Centre, Div of Cytogenetics and Plant Breeding, Coimbatore, Tamil Nadu.

67  GORANTIMAR, S M
Study of the uptake of nitrogen and phosphorus from different modes of application and its effect on the yield and quality of groundnut.
M Sc (1962)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.
68 GROVER, PARVES CHANDER
Terminal velocity and aerodynamic properties of paddy and groundnut. 86 p.
M Tech (1977)-Punjab Agricultural University, College of Agricultural Engineering, Dept of Processing and Agricultural Structures, Ludhiana, Punjab.

69 GULSHAN SINGH
M Sc (1968)-Punjab Agricultural University, Ludhiana, Punjab. (N S Randhawa)

69a GUPTA, M B
Effects of seed rate and phosphorus on the growth and yield of groundnuts.
M Sc (1959)-Vikram University, Ujjain, Madhya Pradesh.

69b GUPTA, RAJ BAHADUR
Systematic position of genus Arachis L and genetic and breeding studies in groundnut (Arachis hypogaea L.).
Ph D (1974)-Agra University, Agra, Uttar Pradesh.

70 GUPTA, SATISH KUMAR
M Sc (1968)-Punjab Agricultural University, Dept of Biochemistry, Ludhiana, Punjab. (A K Gupta)

71 GUPTA, VINOD KUMAR
Fungus flora on groundnut kernels (Arachis hypogaea) and their relation to spoilage in storage and seed rot and control, viii, 70, iv p.
M Sc (1966)-Punjab Agricultural University, Hissar, Haryana. (J S Chohan)

72 GURMIT SINGH
Direct and residual effect of fertilizers applied to groundnut and wheat grown in sequence.
M Sc (1975)-Punjab Agricultural University, Ludhiana, Punjab.

73 GURUMALLAPPA, T M
Economic analysis of marketing of groundnut in Raichur district. 150 p.
M Sc (1972)-University of Agricultural Sciences, Bangalore, Karnataka. (R Ramanna)
74 HABEEBULLAH, B
Studies on the influence of potassium and calcium on nutrient availability...groundnut (Pol 1) in the alluvial and red soils of Tamil Nadu.
M : Sc (1973)-Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.

74a HANUMANTHA REDDY, V
Studies on the effect of replacement of groundnut cake in concentrate mixture with sunflower cake on the quantity and quality of milk in dairy animals.
M V Sc (1975)-Andhra Pradesh Agricultural University, College of Veterinary Science, Hyderabad, Andhra Pradesh.

75 HARAGOPAL, T
Physiological alterations associated with infection by chlorotic spot virus in groundnut, Arachis hypogaea L, leaves.
Ph D (1976)-Sri Venkateswara University, Dept of Botany, Tirupati, Andhra Pradesh.

76 HARBHAJAN SINGH
Studies on mechanical threshing of groundnut. 191 p.
M Sc (1971)-Punjab Agricultural University, College of Agricultural Engineering, Dept of Farm Power and Machinery, Ludhiana, Punjab. (S R Verma)

77 HARGURDEEP SINGH
Studies on differential genotypic response of groundnut (Arachis hypogaea L) to moisture stress during germination and seedling establishment. 74 p.

78 HARIGOPAL, N
Physiological studies on groundnut plants with boron toxicity. 152 p.
Ph D (1965)-Sri Venkateswara University, Tirupati, Andhra Pradesh, (I M Rao)

79 HARMINDER KAUR
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M Sc (1972)-Punjab Agricultural University, Dept of Botany, Ludhiana, Punjab. (O S Singh)

79a HASSAN, MA
Inheritance of growth habit in groundnut (Arachis hypogaea L).
M Sc (1964)-Ranchi University, Ranchi, Bihar.
80 HATWAR, K G
To study the effect of placement of nitrogenous and phosphatic fertilizers on the growth and yield of groundnut crop (Arachis hypogaea Linn).
M Sc (1963)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

81 HETE, G.L
Further studies on wheat bran and groundnut cake diet.

82 HIRA, PREM SINGH
Transmission of viruses occurring on ornamental and vegetable crops to groundnut and study of their properties, vi, 70 p.
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab. (J S Chohan)

83 HUSAIN, IQBAL
M Sc (1964)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (L G Kulkaroi)

84 IQUBAL, MUSTHAFA
M Sc (1974)-Annamalai University, Faculty of Agriculture, Annamalainagar, Tamil Nadu. (R Ramabadran)

85 JASPINDER SINGH
Fertilizer studies with groundnut, v, 38, xvi p.
M Sc (1968)-Punjab Agricultural University, Ludhiana, Punjab. (G S Gill)

86 JAYACHANDRAN, S K
Studies on the effect of molybdenum, boron, and manganese on the yield and quality of groundnut.
M Sc (1964-66)-University of Kerala, Trivandrum, Kerala. (K Madhavan Nair)

87 JAYADEVAN, R
Studies on the performance of groundnut (Arachis hypogaea) variety Asiriya Mwitunde under graded doses of nitrogen and phosphorus at Vellayani.
M Sc (1968-70)-University of Kerala, Trivandrum, Kerala. (C Sreedharan)

87a JAYARAMA SHETTY, K
Chemical and physico-chemical studies of groundnut proteins.
Ph D (1975)-University of Mysore, Mysore, Karnataka.
88 JAYARAMI REDDY, A
Physiological studies on the influence of induced water stress and recovery of some of the leaf constituents, growth and yield in groundnut plant (*Arachis hypogaea* L).
Ph D (1967)-Sri Venkateswara University, Tirupati, Andhra Pradesh.
(I M Rao)

89 JIT SINGH
Studies on epidemiology of *Cercospora* leaf spots (tikka disease) of groundnut and fungicidal spray/dust schedules to control the disease.
(J S Chohan)

90 JYOTHESWARA REDDY, S
Utilization of dehydrated groundnut plant meal and alfalfa meal in chick rations.
M V Sc (1970)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh.

91 KALE, R G
Effect of pre-harvest foliar application of growth hormones on dormancy in groundnut (*Arachis hypogaea* L).
M Sc (1965)-Nagpur University, Nagpur Agricultural College, Nagpur, Maharashtra.

92 KAMALAKAR, M
Marketed surplus and price margins of paddy and groundnut in Nellore district, A P. 89 p.
M Sc (1973)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (P B Parthasarathy)

93 RANG, MANJIT SINGH
Pathogenesis in groundnut, *Arachis hypogaea* (L) by *Aspergillus flavus* (Link ex Fries).
Ph D (1966-70)-Punjab Agricultural University, Ludhiana, Punjab.

94 KANG, MANJIT SINGH
Studies on some root diseases of groundnut (*Arachis hypogaea* L) in the Punjab.
M Sc (1957)-Punjab Agricultural University, Ludhiana, Punjab.

95 KANGALE, B J
Studies on the companion cropping of sunflower (*Helianthus annus* L) with groundnut (*Arachis hypogaea* Linn) and mung (*Phaseolus aureus*). xi, 63 p.
M Sc (1974)-Punjabrao Krishi Vidyapeeth, Akola, Maharashtra. (K G Hatwar)
96 KANSARA, N S
Inheritance studies on certain qualitative and quantitative characters in three groundnut strains. 77 p.
M Sc (1967)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat. (K R Patel)

97 KANWAL, BALWINDER SINGH
Marketing margin of processed groundnut at Khanna market, Ludhiana. vi, 65, ixv p.
M Sc (1965)-Punjab Agricultural University, Ludhiana, Punjab. (A S Kahlon)

98 KARAMJIT SINGH
Effect of phosphorus and nitrogen application under various soil moisture regimes on groundnut.

99 KARMUKA, KAUR SINGH
Study of genetics of quantitative characters in groundnut (Arachis hypogaea L) crosses, vi, 58, iii p.
M Sc (1968)-Punjab Agricultural University, Ludhiana, Punjab. (R S Sandhu)

100 KARUNAKARAN, P
Studies on Cercospora leaf spots of groundnut, bhendi and tapioca.
M Sc (1968)-University of Kerala, Trivandrum, Kerala. (Sam Raj)

101 KESAVAN, P C
Cytogenetical studies on the genus Arachis.
M Sc (1961)-University of Madras, P G Training Centre, Div of Cytogenetics and Plant Breeding, Coimbatore, Tamil Nadu.

102 KHANDELWAL, RAMJI LAL
M Sc (1966)-Punjab Agricultural University, Ludhiana, Punjab. (G S Ranhotra)

103 KHOSLA, H K
Studies on parasitism, macro-and micro-element nutrition on growth and sporulation of Aspergillus niger Van. Tiegh, occurring as parasite on groundnut.
M Sc (1960)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

104 KHOSLA, KULDEEP SINGH
Response of groundnut varieties to different sowing and harvest periods with variable spacings.
105 KOLHE, N G

106 KONDAP, SHIVANAND
Studies of the effects of different spacing and fertilizer combinations on groundnut (Arachis hypogaea L Spanish improved) on the sandy loam soils at Rajendranagar. 82 p.
M Sc (1963)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (R Suryanarayana Rao)

107 KOTESWARA RAO, S
Studies on the effect of Rhizobium inoculation and phosphorus levels on nodulation and yield in groundnut Asirya Mwitunde. 46 p.
M Sc (1968)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (Mir Mustafa Hussin)

108 KOTHANDARAMAN, G V
Effect of liming on the utilization of calcium and phosphorus by groundnut grown in acid soil.
M Sc (1960)-University of Madras, P G Training Centre, Div of Soil Science, Coimbatore, Tamil Nadu.

109 KRISHNAMOORTHY, K V M
M Sc (1975)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Plant Pathology, Tirupati, Andhra Pradesh. (J Subbaya)

110 KRISHNANAHA CBOWDARY, V V S
Studies on effect of different levels of nitrogen, phosphorus and potassium on growth, yield and quality of irrigated groundnut (T M V 2). 43 p.
M Sc (1975)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh. (V Satyanarayana)

111 KRISHNAKREDDY, S
M Sc (1977)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh.
(M Radhamohan Rao)

111a KRISHNAKREDDY, V R.
Physiological studies on Cercospora personata (Berk & Curt) Ell. & Ever. v. 36 p.
MSc (1969)-Andhra Pradesh Agricultural University, College of Agriculture, Hyderabad, Andhra Pradesh. (A Appa Rao)
112 KULKARNI, ARUN PRABHAKAR  
Behaviour of prices of groundnut pods in some regulated markets in Maharashtra.  
Ph D (1962)-University of Poona, Poona, Maharashtra. (D R Gadgil)

113 KUNDRA, HARISH CHANDER  
Response of groundnut to various soil moisture regimes and methods of phosphorus application.  

114 KUSHWAH, JAGMOHAN SINGH  
Genetic analysis of important quantitative characters in groundnut *Arachis hypogaea* (Linn).  
Ph D (1976)-Vikram University, Dept of Botany, Ujjain, Madhya Pradesh.

115 KUTUMBA RAO, S  
M Sc (1962)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (B V Ramana Rao)

116 KUTUMBA REDDI, K  
Studies on the antithiamine factor; and (2) Investigations on the effect of fertilizing conditions, variety and environment on the nutritive and vitamin value of groundnuts.  
Ph D (1948)-University of Madras, Madras, Tamil Nadu.

117 LAKSHMI NARAYANA, REDDY, G  
M Sc (1975)-Andhra Pradesh Agricultural University, Agricultural College, Dept of Botany, Bapatla, Andhra Pradesh. (P Hanumantha Rao)

118 LINGAM, BOMPALLY  
Studies on the response of groundnut crop (*Arachis hypogaea* L) to varying phosphorus and potash fertility levels at different levels of soil moisture depletion. 97, vi p.  
M Sc (1970)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (Mohummed Yaseen)

119 MADAN, SUNDAR LAL  
Pre-harvest and post-harvest treatments for the control of *Aspergillus flavus* and other aflatoxin-producing fungi in groundnut.  

120 MADANKAR, T K  
Studies on phosphatic fertilization supplied through different sources of fertilizers and methods of application on groundnut. xi, iv, 116 p.  
M Sc (1971)-Punjabrao Krishi Vidyapeeth, Akola, Maharashtra. (K D Khattar)
120a MAHAJAN, SUDERSHAN
Effect of cooking on the protein quality of jowar, Bengal gram and groundnut. 91 p.
M Sc (1972)-Andhra Pradesh Agricultural University, College of Home Science, Hyderabad, Andhra Pradesh. (P Pushpamma)

120b MAJUMDAR, P K
Variability, correlation and maturity studies in groundnut (Arachis hypogaea L).
M Sc (1967)-Ranchi University, Ranchi, Bihar.

121 MALAKONDAIAH, N
Physiological studies on the influence of foliar application of phosphorus under salt-stress in groundnut plants (AracMs hypogaea L).
Ph D (1972)-Sri Venkateswara University, Tirupati, Andhra Pradesh. (G Rajeswara Rao)

122 MANDAL, K K
Investigations on groundnut rust, a new introduction in Bihar. 103 p.
M Sc (1977)-Rajendra Agricultural University, Tirhut College of Agriculture, Dept of Plant Pathology, Dholi, Muzaffarpur, Bihar. (P P Mehta)

123 MANDLOI, KS
Effect of nitrogen, phosphorus and potassium each at three levels, applied singly and in combination on growth, yield and quality of groundnut.
M Sc (1963)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh.

124 MANGAT, HARDIAL SINGH
M Sc (1966)-Punjab Agricultural University, Ludhiana, Punjab. (J S Sahota)

125 MARWAHA, BUDH CHANDER
M Sc (1968)-Punjab Agricultural University, Dept of Biochemistry, Ludhiana, Punjab. (A K Chopra)

126 mSTSSWI,?
Effect of different levels and methods of fertilizer application on groundnut (Arachis hypogaea V) under rainfed conditions. 48 p.
M Sc (1976)-Andhra PradeBh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh. (N Nageawarareddy)
127 MEGH SINGH
Effect of Simazine and Prometryne on control of weeds in groundnut
(Axachis hypogaea Linn) variety Asiriyamwitunde. 4, 66, ix p.
M Sc (1968)-G B Pant University of Agriculture and Technology,
Pantnagar, Uttar Pradesh. (V M Bhan)

128 MISHRA, CHURAMANI
Response of groundnut (Axachis hypogaea Linn) varieties to various
levels of phosphorus. 78 p.
M Sc (1975-76)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, College of
Agriculture, Dept of Agronomy, Rewa, Madhya Pradesh. (Sushil Singh)

129 MOHAN SINGH
Studies on the allantoinase enzyme of groundnuts (Arachis hypogaea).
v i, 41 p.
(Rattan Singh)

130 MOORJANI, MADH0 NARAINDA
Studies on the nutritive value of groundnut milk.
Ph D (1947-49)-University of Bombay, Bombay, Maharashtra.

131 MORE, KERBAJI GYANBARAO
Studies on peanut (Arachis hypogaea L) seed borne viruses and their
effect on growth, nodulation, nitrogen value, and nitrogen fixation
by Rhizobia, protein and oil content of seeds. 52, v p.
(V R Mali)

132 MUKEWAR, A M
Cytogenetics of X-ray irradiated groundnut (Arachis hypogaea L).
M Sc (1965)-Nagpur University, Nagpur Agriculture College, Nagpur,
Maharashtra.

133 MUNIKRISHNA REDDY, N
Influence of plant type, soil moisture level and geometry of
planting on growth and yield of groundnut (Arachis hypogaea Linn).
M Sc (1975-76)-University of Agricultural Sciences, Dept of Agronomy,
Bangalore, Karnataka.

134 MUNIRAJ, R
Studies on the economics of production and resource efficiency in
the groundnut farms of Pollachi taluk in Coimbatore district.
M Sc (1965)-University of Madras, P G Training Centre, Div of
Agricultural Economics, Coimbatore, Tamil Nadu,
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</tr>
<tr>
<td>136</td>
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<td>Studies on Rhizobium sp. of groundnut. M Sc (1970)-Tamil Nadu Agricultural University, Agricultural College and Research Institute, Dept of Plant Pathology, Coimbatore, Tamil Nadu. (T K Kandaswamy)</td>
</tr>
<tr>
<td>137</td>
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</tr>
<tr>
<td>138</td>
<td>NALAMWAR, R V</td>
<td>Influence of soil and foliar applications of phosphorus along with different levels of nitrogen on groundnut (Arachis hypogaea). M Sc (1962)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.</td>
</tr>
<tr>
<td>139</td>
<td>NANDA, B N</td>
<td>Effect of boron, molybdenum, sulphur and spartin on-the-yield and quality of groundnut. M Sc (1967)-Orissa University of Agriculture and Technology, College of Agriculture, Dept of Soils and Agricultural Chemistry, Bhubaneswar, Orissa. (R N Patnaik)</td>
</tr>
<tr>
<td>141</td>
<td>NARASIMHA RAO, P</td>
<td>Effect of fertility levels, inter and intra row spacings on the yield of AH 1192 groundnut (Arachis hypogaea L) under rainfed conditions. 103 p. M Sc (1976)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh. (G H Sankarareddy)</td>
</tr>
<tr>
<td>142</td>
<td>NARASIMHA REDDY, M</td>
<td>Study of host-parasite relations in damping off of groundnut, Arachis hypogaea L, caused by Rhizoctonia solani (Kuhn). Ph D (1976)-Sri Venkateswara University, Dept of Botany, Tirupati, Andhra Pradesh.</td>
</tr>
</tbody>
</table>
143 NARAYANAN, S
MSc (1977)-Tamil Nadu Agricultural University, Agriculture College and Research Institute, Dept of Agricultural Entomology, Madurai, Tamil Nadu. (T Kumaraswami)

144 NARAYANASWAMI, R
Studies on Cercospora disease of groundnut.
PhD (1963)-University of Madras, Madras, Tamil Nadu.

145 NIJHAWAN, HARBANS LAL
MSc (1955)-Punjab University, Solan. (S D Nijhawan)

NURALLA SHAH see SHAH NURULLAH

146 OM PARKASH
Available nutrients status and the response of phosphorus and sulphur application in some groundnut growing soils of Haryana. 80 p.
MSc (1975)-Haryana Agricultural University, College of Agriculture, Dept of Soils, Hissar, Haryana. (R S Chahal)

146a ONKARAYYA, H
Factors influencing the stem-rot of groundnut.
PhD (1968)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh.

146b ONKARAYYA, H
Studies on the stemrot of groundnut. 77 p.
MSc (1966)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (A Appa Rao)

146c PAL, R N
Studies on effects of calcium on growth and metabolic activities of certain crop plants.
PhD (1969)-University of Allahabad, Allahabad, Uttar Pradesh.

147 PAL, SHAILEN德拉 KUMAR
MSc (1977)-Gorakhpur University, B R D Post Graduate College, Dept of Agricultural Economics, Deoria, Uttar Pradesh. (M Rao)

148 PALANIAPPAN, R
Influence of phosphorus and sulphur on progressive changes in availability of soil nutrients, and uptake, yield and quality in groundnut (variety-TMV 7).
MSc (1970)-University of Madras, P G Training Centre, Div of Soil Science, Coimbatore, Tamil Nadu.
149 PANDA, DHANESWAR
Response of 2 varieties of groundnut to varied levels of fertility (NPK). 86 p.
M Sc (1968)-Orissa University of Agriculture and Technology, College of Agriculture, Dept of Agronomy, Bhubaneswar, Orissa.
(S N Mishra)

150 PANTH, M P
Comparative study of mechanical and chemical methods of weed control in groundnut (Arachis hypogaea Linn). 73, 8 p.
M Sc (1974)-Mahatma Phule Krishi Vidyapeeth, College of Agriculture, Poona, Maharashtra. (L Shrinewas)

151 PARAMA HAMSA, T A
Studies on the preparation and nutritional evaluation of fortified peanut butter prepared from peanut flour.
M Sc (1970)-University of Mysore, Mysore, Karnataka.

152 PATEL, GHANSHYAM PRASAD MAGANLAL
Metabolic transformation during germination of V-irradiated groundnut.
Ph D (1960-66)-Sardar Patel University, Vallabh Vidyanagar, Gujarat.

153 PATEL, K R
(P D Mistry)

154 PATEL, N R
Studies on relative efficacy and residual toxicity of some of the systemic insecticides against the groundnut aphid (Aphis craccivora Koch). 93 p.
M Sc (1971)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat. (M P Shah)

154a PATIL, B C
Comparative study of Macrophomina phaseoli Maubl Ashby from cotton, sesame, groundnut and castor.
M Sc ( )-University of Poona, Poona, Maharashtra.

154b PATIL, R G
Investigations on time of planting and iron chlorosis in bunch groundnut varieties raised on black soil under irrigation.
M Sc (1977-78)-University of Agricultural Sciences, Dept of Agronomy, Bangalore, Karnataka.
155  PATIL, S R
Effect of different phosphatic carriers and their mode of
application on the yield, uptake of nutrients and quality of
groundnut (Arachis hypogaea L).
(N N Badhe)

156  PATIL, V C
Effect of zinc, iron and calcium under varying levels of phosphorus
on the growth, yield and quality of groundnut.
M Sc (1975-76)-University of Agricultural Sciences, Dept of
Agronomy, Bangalore, Karnataka.

157  PATIL, V D
Studies on seed-borne fungi of linseed (Linum usitatissimum L).
M Sc (1962)-Nagpur University, Nagpur Agriculture College, Nagpur,
Maharashtra.

157a PATIL, V H
M Sc (1965)-University of Poona, Poona, Maharashtra.

158  PAWAR, DINANATH R
Studies on seed microflora of cotton, Pt 2. Control of groundnut
rust.
(W D More)

159  PAWAR K R
Response of groundnut (Arachis hypogaea Linn) variety AK 12-24 to
varying levels of nitrogen, phosphate and plant density in terms of
growth, uptake of N P and K and yield and studies on economics of
resultant yield surface. xiv, v, 220 p.
Ph D (1972)-Punjabrao Krishi Vidyapeeth, Dept of Agronomy, Akola,
Maharashtra. (V S Khuepe)

160  POTHIRAJ, K
Studies on the effect of calcium, boron and their interaction...
groundnut TMV:10 (Arachis hypogaea L) in two red soils of
Tamil Nadu.
M Sc (1972)-Tamil Nadu Agricultural University, Coimbatore,
Tamil Nadu.

161  PRABHAKARA SETTY, II
Studies on chemical weed control in groundnut (Arachis hypogaea L).
118 p.
M Sc (1973)-University of Agricultural Sciences, Bangalore,
Karnataka. (M M Hosami)
162 PRAHLADA RAO, G
M Sc (1970)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (R Suryanarayana Rao)

163 PUNNOOSE, K I
Studies on the effect of nitrogen and phosphorus on the growth, yield and quality of groundnut (Arachis hypogaea L) in the red loam soils of Kerala.
M Sc (1966-68)-University Of Kerala, Trivandrum, Kerala. (C M George)

164 PUNTAMKAR, S S
Effect of N P and K fertilization on the yield and uptake of nutrients by groundnut crop grown at Nagpur Experimental Farm.
M Sc (1961)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

165 QUADER, M A
Cytological studies on colchicine induced polyploids in groundnut (Arachis hypogaea L).
M Sc (1964)-Nagpur University, Nagpur Agriculture College, Nagpur, Maharashtra.

166 RADHAKRISHNAMURTY, B
Studies on hemicelluloses isolated from groundnut shells.
Ph D (1958)-Osmania University, Hyderabad, Andhra Pradesh.

167 RAGHAVENDRA RAO, K
Effect of sulphur application on the yield and composition of pea (Pisum sativum L) and groundnut (Arachis hypogaea L) crops. 83 p.
M Sc (1972)-University of Agricultural Sciences, Bangalore, Karnataka. (N G Perur)

168 RAHIMI, AMINULLAH
M Sc (1970)-Haryana Agricultural University, Hissar, Haryana. (G B Singh)

169 RAINA, GIRDHARI LAL
Studies on the geocaxposphere mycoflora of groundnut, 91 p.
Ph D (1973)-Punjab Agricultural University, Ludhiana, Punjab. (J S Chohan)

170 RAJ PAL
Effect of varying levels of phosphorus, sulphur and plant density on yield and quality of different varieties of spreading type groundnut, Arachis hypogaea in Meerut.
Ph D (1976-77)-Kanpur University, Kanpur Uttar Pradesh.
171 RAJ SINGH
Genetic assessment of new hybrid strains of groundnut (*Arachis hypogaea* L) in different tracts of the Punjab. v, 52, iii p.
M Sc (1964)-Punjab Agricultural University, Ludhiana, Punjab-
(J L Dalai)

172 RAJAGOPAL, KG
Tolerance level of groundnut cake and its effect on productive performance of white leghorn pullets.
M V Sc (1976)-University of Agricultural Sciences, Bangalore, Karnataka.

172a RAJAGOPALA IYER, N
Studies on root nodule bacteria.
Ph D (1964)-University of Madras, Madras, Tamil Nadu.

173 RAJARAO, J
Effect of macro (P, Ca and S) and micro (B and Mo) nutrients on bunch variety of groundnut (*Arachis hypogaea* L) under rainfed conditions. 98 p.
M Sc (1977)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh. (M S Soundarajan)

174 RAJAREDDY, C
M Sc (1968)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (G Prabhakara Reddy)

175 RAJASHEKAR, C
Effect of phosphorus nutrition in presence of magnesium, zinc, and molybdenum on the seed proteins of groundnut (*Arachis hypogaea*) and blackgram (*Phaseolus mango*). 120 p.
M Sc (1974)-University of Agricultural Sciences, Bangalore, Karnataka. (P B Deshpande)

176 RAJESWARA RAO, G
Physiological studies on the influence of chloride and carbonate of sodium during germination and early seedling growth of groundnut (*Arachis hypogaea* L).
Ph D (1965)-Sri Venkateswara University, Tirupati, Andhra Pradesh. (I M Rao)

176a R A M APANDU, S
Studies on the tikka disease of groundnut. 55 p.
M Sc (1966)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (A Appa Rao)

177 RAMAKRISHNA, V
Studies on the tikka disease of groundnut. 53 p.
M Sc (1964)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (A Appa Rao)
Physiological studies on dormancy in groundnut seeds (*Arachis hypogaea* L), metabolic change during after-ripening and at the initial stage of germination.
Ph D (1974)-Sri Venkateswara University, Tirupati, Andhra Pradesh. (I M Rao)

Studies on the breeding behaviour of interspecific hybrid derivatives in the genus *Arachis*.
M Sc (1963)-University of Madras, P G Training Centre, Div of Cytogenetics and Plant Breeding, Coimbatore, Tamil Nadu.

Studies on the effect of certain fungicides, insecticides and herbicides and boron and molybdenum and symbiotic nitrogen fixation of *Rhizobium* sp in groundnut (*Arachis hypogaea*). 225 p.
M Sc (1974)-Annamalai University, Faculty of Agriculture, Annamalainagar, Tamil Nadu. (N N Prasad)

Comparative study of the rhizosphere of *Sesamum indicum* Dc and *Arachis hypogaea*.
M Sc (1960)-University of Saugar, Sagar, Madhya Pradesh.


Utilisation of dehydrated groundnut plant meal in chick rations. 36 p.
M V Sc (1969)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (C V Reddy)

Effect of pre-soaking of groundnut (T M V 2) in different concentration of hormones on its yield and its nutrient uptake. 49 p.
M Sc (1973)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (T M Vithal Rao)

Studies on the mode of rhizobial incorporation and its interactions with phosphorus, magnesium and boron on the availability, uptake, yield and quality in groundnut.
M Sc (1972)-Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.
186 RAVI BALA

187 REDDY, K S
Effect of feeding dehydrated groundnut plant meal on egg production and inferior quality of egg. 30 p.
M V Sc (1972)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (C R Mathur)

188 RODGE, R P
Growth, yield and quality of groundnut (*Arachis hypogaea* Linn) variety AK 12-24 as influenced by nitrogen phosphate and potash levels. ix, 130, vii p.

189 ROY, RAJENDRA
Manural requirement of groundnut under agro-climatic condition of Chotanagpur region of Bihar. 66 p.
M Sc (1972)-Rajendra Agricultural University, Ranchi Agricultural College, Dept of Agronomy, Kanke, Ranchi, Bihar. (R D Singh)

190 SAHA, GENESH
Relationship between chemical scores with the available lysine content of groundnut cake samples.
M V Sc (1966)-University of Madras, Madras, Tamil Nadu.

191 SAHAY, K K
Study on the acreage response of groundnut for major groundnut producing zones in India.
Ph D (1970)-Indian Agricultural Research Institute, New Delhi, (M A Muralidharan)

192 SAINI, JOGINDER SINGH
Studies on the effect of sowing dates, harvesting dates and spacings on growth, yield and quality of irrigated groundnut crop, ix, 94, xxvi p.
M Sc (1965)-Punjab Agricultural University, Ludhiana, Punjab. (M S Gill)

193 SAINI, NIRMAL KUMAR
Studies on the relative concentration of phosphoglucomutase at various stages of germination of wheat (*Triticum aestivum*) and groundnut (*Arachis hypogaea*) seeds and on some of its properties.
194 SALIA, H T

*Studies on Alternaria leaf-spot of groundnut, arachis hypogaea L*; 79 p.
M Sc (1973)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat, (M D Vaishnav)

195 SANDHAR, MANMOHAN SINGH

Mutations induced in groundnut (*Arachis hypogaea* L) by gamma radiation and ethyl methane sulphooate.
Ph D (1973)-Punjab Agricultural University, Ludhiana, Punjab.

196 SANDHU, BALJIT SINGH

Genetic analysis of quantitative characters in groundnut (*Arachis hypogaea* L),

197 SANGHA, AJIT SINGH

Genetic variability and correlation studies in groundnut (*Arachis hypogaea* L),
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab.
(R S Sandhu)

198 SANJIVA REDDY, MALIKIREDDY

Metabolism of chloroplasts isolated from leaves of groundnut plants (*Arachis hypogaea* L) grown in normal, salinized and alkaliized soils.
Ph D (1967)-Sri Venkateswara University, Tirupati, Andhra Pradesh.
(V S R Das)

199 SANKARAN, N

Studies on the effect of forms and levels of calcium and boron in groundnut (*Arachis hypogaea* L).
M Sc (1972)-Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.
(Y B Morachan)

200 SARMA, VADALI SUBBARAYA

Studies on induced mutagenesis in cultivated varieties of groundnut (*Arachis hypogaea* L) with special reference to the improvement of soil content and yield.
Ph D (1976)-Indian Agricultural Research Institute, New Delhi.

201 SARNA, RAVINDRA NATH

(A S Kahlon)

202 SATHYANARAYANA, P

Investigations on the mineral nutrition of groundnut by the method of foliar diagnosis. 120 p,
M Sc <1961>-Osmanis University, Hyderabad, Andhra Pradesh.
(D V Krishna Rao)
203 SATYANARAYANAMURTY, K
Studies on the effect of auxin and auxin antagonists on groundnut plant, Arachis hypogaea (L).
Ph D (1967)-Andhra University, Waltair, Andhra Pradesh.

204 SATYANARAYANREDDY, J V
Studies on the relative efficiency of pre-emergence weedicides on the growth and yield of groundnut (Arachis hypogaea). 64 p.
M Sc (1965)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (R Suryanarayana Rao)

205 SEETHAEAMA REDDY, K
M Sc (1969)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (A Appa Rao)

206 SENGUPTA, MANIKLAL
Treatment of groundnut oil with clays and its chromatographic separation with activated alumina.
Ph D (1955)-University of Calcutta, Calcutta, West Bengal.

207 SHAH NURULLAH
Studies on groundnut rust caused by Puccinia arachidis Speg. 58 p.
M Sc (1976)-Rajendra Agricultural University, Tirhut College of Agriculture, Dept of Plant Pathology, Dholi (Muzaffarpur), Bihar. (A P Misra)

SHAM SUNDER, RANGABASHAM see RANGABASHAM SHAM SUNDER

208 SHANMUGAM, N
Studies on root rot disease of groundnut caused by Macrophomina phaseoli (Maub1) Ashby .
Ph D (1971)-Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.

209 SHANTA, P
Studies on the Cercospora disease of Arachis hypogaea (L).
Ph D (1957)-University of Madras, Madras, Tamil Nadu.

210 SHARMA, KRISHNA MURARI
Utilization of calcium from dicalcium phosphate and bone meal as influenced by varying levels of groundnut cake and maize feeding.
Ph D (1964-68)-Agra University, Agra, Uttar Pradesh.

211 SHETTAR, B I
Variability pattern in groundnut (Arachis hypogaea L) and formulation of selection index for yield. 119 p.
M Sc (1973)-University of Agricultural Sciences, Bangalore, Karnataka. (C V Dhulappanavar)
212 SHIV RAJ, A
Studies on the effect of fast neutrons on groundnut.
M Sc (1960)-Osmania University, Hyderabad, Andhra Pradesh.

213 SIDHANTI, S N
Study into economics of groundnut cultivation in Osmanabad district.

214 SINGARAVADIVELU, K
Studies on certain aspects of legume Rhizobia symbiosis in groundnut (Arachis hypogaea L), black gram (PhaseolUB mungo L) and green gram (P aureus Roxb). 168 p.
M Sc (1977)-Annamalai University, Faculty of Agriculture, Annamalainagar, Tamil Nadu. (N N Prasad)

215 SINGH, DHARAM PAL
Some metabolic aspects in groundnut plant (Arachis hypogaea ).vl,52 p.
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab. (I S Bhatia)

216 SINGH, H
Effect of nitrogen, phosphorus and potash on two varieties of groundnut.

217 SINGH, MAN MOHAN
Analytical study into the pattern of groundnut marketing in the Punjab.

218 SINGH, OM PAL
M Sc (1970)-Haryana Agricultural University, Hissar, Haryana. (Jai Prakash)

218a SINGH, RAM S
Determination of equilibrium moisture contents and drying rate constants for groundnuts and chillies.
M Tech (1971)-Indian Institute of Technology, Kharagpur, West Bengal.

219 SINGH, SAWARAN JIT
Studies on mechanical decortication of groundnut. 118 p.
M Sc (1973)-Punjab Agricultural University, College of Agricultural Engineering, Ludhiana, Punjab. (A M Chauhan)

220 SINHA, SHIV KUMAR
Effect of additives on heat coagulation of protein fractions of groundnut.
M Sc (1974)-University of Mysore, Mysore, Karnataka.
220a SITALAKSHMI, V
Study of the rhizosphere microflora of Arachis.
Ph D (1966)-University of Madras, Madras, Tamil Nadu.

221 SOMESWARAREDDY, K
Studies on tikka disease on groundnut. 81 p.
M Sc (1971)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Plant Pathology, Tirupati, Andhra Pradesh.
(V Ramakrishna)

SOMI REDDY, K see REDDY, K S

221a SREENIVASULU, P
Studies on chlorotic spot virus (GCSV) infested groundnut leaves, *Arachis hypogaea* L.
Ph D (1977)-Sri Venkateswara University, Tirupati, Andhra Pradesh.

222 SREERAMULU, NAGINENI
Physiological studies on dormancy in seeds of groundnut (*Arachis hypogaea* L).
Ph D (1968)-Sri Venkateswara University, Tirupati, Andhra Pradesh.
(I M Rao)

223 SRINIVASA REDDY, K
Potassium nutrition of groundnut. 53 p.
M Sc (1971)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh.
(T M Vithal Rao)

224 SRIRAMA RAO, KANAKAPALLY
Metabolism of mitochondria isolated from peanut (*Arachis hypogaea* L) seedling grown in water, solutions of chloride and carbonate of sodium.
Ph D (1967)-Sri Venkateswara University, Tirupati, Andhra Pradesh.
(V S R Das)

225 SRIVASTAVA, AKBAR NARAIN
Classification and inheritance studies in groundnut, *Arachis hypogaea* (L).
Ph D (1965-69)-Agra University, Agra, Uttar Pradesh.
(G N Pathak)

226 SUBBAIAH, S V
Studies on the comparative performance of groundnut and soyabean varieties planted on different dates under rainfed conditions. 92 p
M Sc (1972)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh.
(Y Yogeswara Rao)
227 SUBHASBABU, P
Studies on irrigation scheduling based on cumulative evaporation from free water surface at three growth stages of groundnut. 58 p.
M Sc (1975)-Andhra Pradesh Agricultural University, S V Agricultural College, Tirupati, Andhra Pradesh.
(G H Sankarareddy)

227a SUBRAHMANYAM, P
Study of mycotoxin producing fungi associated with groundnut (Arachis hypogaea L) in relation to agricultural practices.
Ph D (1976)-Sri Venkateswara University, Tirupati. Andhra Pradesh.
(A S Rao)

228 SUBRAMANIAM, M
Supply response of cultivators to the fluctuations in prices of groundnut and oil, in North Arcot district.
M Sc (1966)-University of Madras, PG Training Centre, Div of Agricultural Economics, Coimbatore, Tamil Nadu.

229 SUBRAMANIAN, K S
Studies on sclerotial root rot disease of groundnut (Arachis hypogaea L) caused by Sclerotium rolfsii Sacc.
M Sc (1960)-Tamil Nadu Agricultural University, Agricultural College and Research Institute, Div of Plant Pathology, Coimbatore, Tamil Nadu.
(K Ramakrishnan)

230 SUBRAMANIAN, R M
Studies on the effect of magnesium and rhizobium on the progressive changes of nutrient B, yield and quality of groundnut (Pol 1) in two red soils of Tamil Nadu.
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230a SUDARSHAN KUMAR
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231 SUDHAKAR, N
Effect of organic amendments: and gypsum on yield of groundnut
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M Sc (1976)-Andhra Pradesh Agricultural University, S V Agricultural
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232 SUKHDEV SINGH
Evaluation of important groundnut (Arachis hypogaea) varieties of
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Neutropariodism in different varieties of groundnut with respect of
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234 SUNAR, MEWA SINGH
Rhizosphere microflora of groundnut (Arachis hypogaea L) and their
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M Sc (1968)-Punjab Agricultural University, Ludhiana, Punjab.
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Studies in relation to pre-harvest and post-harvest treatments for
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(J S Chohan)

236 SURAJ BHAN
Water relations, growth and nutrient uptake of Arachis hypogaea (L)
in relation to variety spacings and its effects on the fertility of
arid zone soils.
Ph D (1967-70)-University of Udaipur, Udaipur, Rajasthan.

237 SURYANARAYANA, N
Effect of growth regulators on growth, development and yield of
groundnut. 69 p.
M Sc (1975)-Andhra Pradesh Agricultural University, S V Agricultural
College, Dept of Agronomy, Tirupati, Andhra Pradesh.
(G H Sankarareddy)
238 SURYANARAYANARAJU, M
Studies on the effect of different levels of irrigation, plant population and phosphorus on groundnut (TMV-2). 70 p.
M Sc (1975)-Andhra Pradesh Agricultural University, S V Agricultural College, Dept of Agronomy, Tirupati, Andhra Pradesh.
(G H Sankarareddy)

239 TAMALA REDDY, T
Effect of two soil moisture regimes during three growth stages on growth and yield of two groundnut (Arachis hypogaea Linn) varieties. 81 p.
(G H Sankarareddy)

239a TANKASALE, M P
Cytotaxonomy of the genus Arachis.
M Sc (1959)-University of Poona, Poona, Maharashtra.

240 TARHALKER, P P
Effect of micro-nutrients, copper and zinc, with and without nitrogen and phosphate on the growth and yield of groundnut (Arachis hypogaea L).
M Sc (1961)-Nagpur University, Nagpur Agricultural College, Nagpur, Maharashtra.

241 TEMGIRE, H J
Studies on the influence of various levels of irrigation applied at different critical growth phases on growth, yield and quality of groundnut (Arachis hypogaea Linn). 135 p.
M Sc (1969)-Mahatma Phule Krishi Vidyapeeth, College of Agriculture, Poona, Maharashtra. (K R Shaerabuddhe)

242 THAJUDDIN, E
Studies on the effect of lime and magnesium on the yield and quality of groundnut (Arachis hypogaea L).
M Sc (1963-65)-University of Kerala, Trivandrum, Kerala.
(K Madhavan Nair)

243 TIN NAING WIN
Solubility studies of groundnut protein.
M Sc (1973)-University of Mysore, Mysore, Karnataka.

244 TIPPANNAVAR, MALLAPPA BASAPPA
Effect of moisture, nitrogen, phosphorus on growth, yield, and quality of groundnut.
Ph D ( )-Karnatak University, Dharwar, Karnataka.
245 TIWAN, MALVINDER SINGH  
Studies on the comparison of different sources of fertilizers, nutrients and methods of their application to groundnut.  
v, 37, xv p.  
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(G S Gill)

246 TOPLE, G T  
Comparative study of soil and foliar application of single superphosphate on the growth and yield of groundnut (Arachis hypogaea).  
131 p.  
M Sc (1960)-Indian Agricultural Research Institute, New Delhi.

247 TRILOK SINGH  
Antibiosis of Aspergillus flavus, a seed borne fungus, and Trichoderma spp, a soil borne fungus, to Macrophomina phaseoli, Rhizoctonia solani and Aspergillus niger, causal agents of root rot and collar rot of groundnut (Arachis hypogaea L) respectively.  
v, 62 p.  
M Sc (1967)-Punjab Agricultural University, Ludhiana, Punjab.  
(J S Chohan)

248 TRINADHAMURTHY, B  
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250 VAISHNAV, MUKUNDRAJ UDESHANKER  
Studies on the ashy stem blight of groundnut (Arachis hypogaea Linn) caused by Macrophomina phaseoli (Maubl) Ashby.  
69 p.  
M Sc (1964)-Indian Agricultural Research Institute, New Delhi.  
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251 VAITHIALINGAM, R  
Certain physiological causes for dormancy in groundnut.  
M Sc (1966)-University of Madras, P G Training Centre, Div of Plant Physiology, Coimbatore, Tamil Nadu.

252 VAJA, MP  
Effect of nitrogen, phosphorus and potash fertilization on growth, yield, and oil content of groundnut (Arachis hypogaea Linn).  
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M Sc (1975)-Gujarat Agricultural University, Junagadh Agriculture College, Junagadh, Gujarat.  
(M T Parmar)
253 VARISAI MOHAMED, S
Studies on interspecific hybrids in Arachis.
M Sc (1960)-University of Madras, P G Training Centre, Div of
Cytogenetics and Plant Breeding, Coimbatore, Tamil Nadu.

253a VARISAI MOHAMED; S
Studies on interspecific hybrids in the genus Arachis L.
Ph D (1970)-University of Madras, Madras, Tamil Nadu.

254 VEERANJANEYULU, M
Studies on rust disease of groundnut. 74 p.
M Sc (1973)-Andhra Pradesh Agricultural University, S V Agricultural
College, Dept of Plant Pathology, Tirupati, Andhra Pradesh.

255 VEERARAGHAVAN, P G
Effect of lime and potash on the yield and quality of groundnut
(Arachis hypogaea L) in the red loam soils of Kerala State.
M Sc (1962-64)-University of Kerala, Trivandrum, Kerala.
(K Madhavan Nair)

256 VENKATARAMANAIYUDA.V
Effect of different fertility levels on growth and yield of
M Sc (1974)-Andhra Pradesh Agricultural University, S V Agricultural
College, Tirupati, Andhra Pradesh. (G H Sankarareddy)

257 VENKATESWARAN, AN
Biometric studies in groundnut with reference to indices of
selection for yield.
M Sc (1966)-University of Madras, P G Training Centre, Div of
Cytogenetics and Plant Breeding, Coimbatore, Tamil Nadu.

258 VERMA, D S
Studies on mycoflora of groundnut in storage in Sagar.
M Sc (1967)-University of Sagar, Dept of Botany, Sagar,
Madhya Pradesh.

259 VXJAY KUMAR
Evaluation of mustard cake as a replacer of groundnut cake. 66 p.
M Sc (1973)-Haryana Agricultural University, Hisar, Haryana.
(T L Balwani)

260 VIMANI, H C
Correlation studies in twenty seven bunch type varieties of
groundnut.
M Sc (1968)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, College
of Agriculture, Dept of Botany, Indore, Madhya Pradesh.
(R S Deshpandey)
261 VIRK, SARDOOT SINGH
Agronomic studies with Asirya Mwitunde groundnut under irrigated conditions, vi, 71, xv p.
M Sc (1969)-Punjab Agricultural University, Ludhiana, Punjab. (G S Gill)

262 VISHNUMURTY, T
Studies on the effect of levels and methods of application of phosphorus on groundnut (Arachis hypogaea L). 64 p.
M Sc (1972)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (R Suryanarayana Rao)

263 VYANJANE, NAMDEO TUKARAM
Studies on Rhizobia of groundnut (Arachis hypogaea), mung (Phaseolus radiatus) and urid (Phaseolus mango).
M Sc (1973)-Marathwada Krishi Vidyapeeth, Dept of Plant Pathology, Parbhani, Maharashtra. (V D Patil)

264 YADAV, R S
Effect of gypsum (sulphur) fertilization on the chemical composition, nutrient uptake and yield of groundnut and berseem.
M Sc (1968)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh.

265 YELLA REDDY, G

266 WAGHRAY, RAJENDRANATH
Effect of fertilizers on the fecundity of the groundnut aphid Aphis craccivora Koch on groundnut. 41 p.
M Sc (1964)-Andhra Pradesh Agricultural University, Hyderabad, Andhra Pradesh. (Shiv Raj Singh)

267 WAMANAN, P P
Studies on certain cultural and manurial aspects of cultivation of groundnut in Assam.
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268 ZAIDI, SAYED QAMAR
Effects of dates of sowing and harvesting and levels of phosphate on growth, yield and quality of groundnut. 149 p.
MSc (1967)-Rajendra Agricultural University, Ranchi Agricultural College, Dept of Agronomy, Kanke, Ranchi, Bihar. (K N Srivastava)
Studies on the assessment of protein quality of fishmeal and groundnut cake for chicks.
M V Sc (1973)-Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh.
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