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# Genetics, Breeding, Improvement and Classification

- Chapter 1. Conservation and evaluation of tuber crops germplasm in Kerala.

  A. Abraham, C.A. Ninan, S. Abraham, P.H. Chandrasekharan Nair, P. Kuriachan and P. Gopalakrishna Pillai.
- Chapter 2. Cassava breeding at I.I.T.A. S.K. Hahn, A.K. Howland and E.R. Terry.
- Chapter 3. Breeding for protein enhancement in cassava. N. Hrishi and J.S. Jos.
- Chapter 4. Extending frontiers of genetic improvement in cassava. M.L. Magoon and R. Krishnan.
- Chapter 5. Physiological variability in the mineral nutrition of four cassava cultivars in flowing solution culture.

  D.A. Forno, C.J. Asher, D.G. Edwards and J.P. Evenson.
- Chapter 6. A collection of West African yams. F.W. Martin.
- Chapter 7. Overcoming cross- and self-incompatibility in *Ipomoea batatas* (L.) Lam and *Ipomoea tricho-carpa* Elliot. W.B. Charles, D.G. Hoskin and P.J. Cave.
- Chapter 8. The sterility-incompatibility complex in sweet potato. G.A.M. van Marrewijk.
- Chapter 9. Sweet potato breeding in India problems and prospects.
  M.L. Magoon and R. Krishnan.
- Chapter 10. Breeding techniques, heritabilities, insect resistance and other factors affecting sweet potato breeding.

  S.D. Thibodeaux, T.P. Hernandez and T.P. Hernandez.
- Chapter 11. Edible aroids new insights into phylogeny. R. Krishnan and M.L. Magoon.
- Chapter 12. Potato breeding for resistance to bacterial wilt in Kenya. S.K. Njuguna.

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- Chapter 14. Tuber development in yams; physiological and agronomic implications. T.U. Ferguson.
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  P. Indira and T. Kurian.
- Chapter 16. Changes in soluble amino acids of some tropical starchy roots during chilling. O.L. Oke.
- Chapter 17. Components of tuber yield in sweet potato. L.A. Wilson.

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- Chapter 19. Beneficial effects of chlormequat (CCC) on root crops under Egyptian field conditions. M.M. El-Fouly.
- Chapter 20. Some physiological aspects of yield in cassava (Manihot esculenta Crantz).

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- Chapter 21. The effect of defoliation on the yield of cocoyams. S.K. Karikari.
- Chapter 22. "Mericloning" of taro (Colocasia esculenta).
  M.O. Mapes and W.J. Cable.
- Chapter 23. Screening sweet potatoes for low CO<sub>2</sub> compensation point. S. Sadik.
- Chapter 24. Potassium requirement of taro in relationship to growth, foliar analysis, yield, and quality as grown in solution culture.

  W.J. Cable.
- Chapter 25. Mineral nutrition of taro (Colocasia esculenta) with special reference to petiolar phosphorus level and phosphate fertilizers.

  R.B. Kagbo, R.S. de la Pena, D.L. Plucknett and R.L. Fox.
- Chapter 26. The biogenesis and metabolism of cyanogenic glucosides in germinating cassava seed and seedlings.

  F. Nartey.

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