

## COMUNICACION

### BIBLIOGRAFIA SOBRE LA CARAMBOLA (*Averrhoa carambola L.*)

Jaime E. Garcia <sup>1</sup>

#### PROLOGO

Este trabajo de recopilación bibliográfica se ha concebido como medio para contribuir a promover el desarrollo de labores investigativas y de planificación que incidan directamente en el fomento de la producción y la productividad de la carambola (*Averrhoa carambola L.*).

Con tal propósito, el Comité Editorial del Boletín Técnico de la Estación Experimental Agrícola Fabio Baudrit M., atendió la iniciativa del Dr. Jaime García G., de presentar una bibliografía sobre el cultivo de carambola. Este trabajo es el fruto de la búsqueda intensiva de citas bibliográficas en diversas bibliotecas y bases de datos, tanto en Costa Rica como en otros países, en los últimos quince años.

Al tener en cuenta que uno de los objetivos básicos de cualquier programa de desarrollo agrícola es propiciar el incremento de la producción de alimentos para el consumo nacional o para la exportación, esfuerzos como el presente pueden ayudar a contribuir efectivamente a encontrar nuevas opciones en la búsqueda de soluciones a la compleja problemática del sector.

Se espera que esta bibliografía tenga una completa utilización por parte de técnicos y personas interesadas en la producción y el procesamiento de esta fruta, al poder disponer de la información necesaria como base para planificar y ejecutar acciones positivas en beneficio de los sectores involucrados.

---

<sup>1</sup> Ph.D., Oficina de Extensión Comunitaria y Conservación del Medio Ambiente, Universidad Estatal a Distancia. Costa Rica (Convenio UNED-UCR). Para consultas dirigirse a la Biblioteca del Centro Tecnología de Alimentos, Facultad de Agronomía, Universidad de Costa Rica, Fax: (506)53-3762.

## INTRODUCCION

Son diversos y numerosos los nombres bajo los cuales se conoce a la fruta del árbol *Averrhoa carambola* L. en el mundo. Entre estos se encuentran los siguientes: "carambo-la" y "tiriguro" en Costa Rica; "cornichón" en las Antillas Francesas; "limas de cayena" en Brasil; "tamarindo chino" y "tamarindo culí" en Venezuela; "fruta estrella" (star fruit) en los Estados Unidos; "fruta cinco esquinas" (five corner fruit) en Australia y como "durazno exótico" en la provincia china de Fukien. Su origen asiático es aceptado en forma general entre los diversos autores.

Taxonómicamente pertenece a la familia *Oxalidaceae* y su género fue dado en honor a Abul'l-Walid Mohammed Ibn Achmed Ibn Mohammed Ibn Roschd (1126-1198 o 1149-1217), castellanizado como Averroes, el filósofo árabe más conocido en la Europa cristiana cuyas doctrinas filosóficas (inclinadas hacia el panteísmo y el materialismo) fueron muy difundidas en las escuelas de la Edad Media y en el norte de Italia durante el renacimiento. En cuanto al nombre de su especie, se sabe que éste viene dado por el nombre indostani de la planta.

Posiblemente esta planta fue introducida en América a finales del siglo XVIII. Desde entonces, se le sigue cultivan-

do en el continente a nivel de "patio" mayormente. Sus características intrínsecas hacen que esta planta pueda ser industrializada y comercializada con éxito de múltiples maneras: como plantas ornamentales, conservas, mermeladas, jaleas, compotas, jarabe, jugos, vinos, sorbetes, helados, vinagre, encurtidos, aditivo a purés (cuando su sabor fuerte a especies pueda dar carácter a otras frutas menos notorias), bebidas refrescantes, gelatinas, caramelos, pasteles, budines, etc. Además, su inherente apariencia exótica, atrayente color "oro" y gratísimo aroma hacen parecer a esta fruta con un gran potencial de comercialización como fruta fresca en los mercados estadounidenses, canadienses y europeos principalmente.

Gran parte de las citas descritas en este trabajo se encuentran para su consulta en la biblioteca del Centro de Investigaciones en Tecnología de Alimentos (CITA) de la Universidad de Costa Rica.

## AGRADECIMIENTO

La impresión de esta publicación se hizo posible gracias a la ayuda otorgada por la Estación Experimental Agrícola Fabio Baudrid M. de la Universidad de Costa Rica. Valga el reconocimiento también para todas aquellas personas e instituciones que en alguna u otra

forma contribuyeron en la elaboración de esta bibliografía:

— *Guillermo Sancho M. y Walter González M.* de la Estación Agrícola Experimental Fabio Baudrit M. de la Universidad de Costa Rica.

— *David R. Hoyt y Robert J. Knight Jr.* del Departamento de Agricultura de los EE.UU.;

— *A.G. Kramer* del Royal Tropical Institute (Holanda);

— *Orlando Rigitano y Lourival Carmo Monaco* da Secretaría de Agricultura del Estado de Sao Paulo (Brasil);

— *Consuelo Jaramillo de Giraldo* del Instituto Colombiano Agropecuario (ICA, Colombia);

— *Carl W. Campbell* de la Universidad de Florida (EE.UU.);

— *K. Becker* de la Organización de las Naciones Unidas para la Agricultura y Alimentación (Roma, Italia);

— *P.F. Butler, G.J. Snowball y J. V. Possingham* del Commonwealth Scientific and Industrial Research Organization (CSIRO, Australia);

— *Juan Francisco Menchú* del Instituto Centroamericano de Investigación y Tecnología Industrial (ICAITI, Guatemala);

— *C. Fricker* de la Societe Commerciale Des Potasses et de L'azote (SCPA, Francia);

— *Valerie J. Hewitt* del Tropical Products Institute (Inglaterra);

— *A. Von Peter y H. Künzli* del Institut International de la Potasse (Suiza);

— *Vietmeyer y Berely Cottom* de la Academia Nacional de Ciencias de los EE.UU.;

— *Jesús Domínguez Gil y Edgar E. Mora Blancas* de la Comisión Nacional de Fruticultura (México);

— *A.N. Rao* de la Universidad de Singapur;

— *Orlando Lazard* del Fondo de Desarrollo Frutícola (Venezuela);

— *Célio S. Moreira* da Universidad de São Paulo (Brasil);

— *Alejo von der Pahlen* del Instituto Nacional de Tecnología Agropecuaria (Argentina);

— *Judith W. Stafford* de la League for International Food Education (Life, EE.UU.);

— *R.A. Hamilton* de la Universidad de Hawaii en Manoa (EE.UU.);

— *Susan L. Tattersall* del Tropical Products Institute Foodsearch (India);

— *Margaret J. Mustard*;

— *Luz del Carmen González Carvajal* de la Biblioteca Carlos Monge Alfaro de la Universidad de Costa Rica;

— *Ubaldo Dantas Machado y Iéda Muñiz de Almeida* da Empresa Brasileira de Pesquisa Agropecuaria (EMBRAPA, Brasil);

— *D.O'D. Bourke* de la Commonwealth Bureau of Horti-

culture and Plantation Crops (Inglaterra);

— *S. Veretenicoff* del Institut de Recherches sur les Fruits et Agrumes (París, Francia).

---

#### CLASIFICACION TAXONOMICA

---

Reino	Plantae
División	Magnoliophyta
Clase	Magnoliopsida
Subclase V	Rosidae
Orden	Geraniales
Familia	Oxalidaceae
Género	<i>Averrhoa</i>
Especie	<i>A. carambola</i>

---

Fuente: Cronquist, A. 1988. The evolution and classification of flowering plants. 2nd ed. The New York Botanical Garden. Bronx, N.Y. Allen Press, Inc. Lawrence, Kansas.

#### Nombres comunes de la *Averrhoa carambola* L.:

NOMBRE	IDIOMA O PAIS
Aklicon	Togo
Asom djorbing	Batak (Java)
Atsan	Togo (lenguaje mina)
Avarea	Honduras
Averroa ascellare	Italiano
Bainang soolapa	Mak. (Java)
Baknil kaslooir	Kai (Java)
Baleebi totofooko	Halmaheira (Java)
Baleerëng	Boeg. (Java)
Balimba	Malayo
Balimbeeëng manih	Minangkabau (Java)
Balimbieng manih	Sumatra (Java)
Balimbiëng manih	Sumatra (Java)

NOMBRE	IDIOMA O PAIS
Balimbing	Filipinas
Balimbing manis	Djambi, Manado, Sumatra (Java)
Balimbing djorbing	Batak (Java)
Balingbin	Java. Archipiélago de la Sonda
Balimba	Malasia
Baumstachelbeere	alemán
Belimbing	Indonesia.
Belimbing batu	malayo
Belimbing besi	malayo
Belimbing manis	malayo
Belimbing pessegi	malayo
Belimbing saji	malayo
Belimbing sayor	malayo
Belimbing sayur	malayo
Bëlimbing	Lamp. (Java)
Bëlimbing bësee	Lamp., Mal., Lingga, Singkep (Java)
Bëlimbing mès	Lamp. (Java)
Bëlingbing	Batak (Java)
Bhalingbhing manès	Java
Bilimbi	francés. Brasil
Bilimbines	Guam
Bindi wala	Flores (Java)
Blimbing	holandés, alemán
Blimbing alas	Java
Blimbing batu	Straits
Blimbing bësee	Java
Blimbing lëgee	Java
Blimbing legi	Java. Surinam
Blimbing manis	Selangor (Malasia). Batak (Java)
Blimbing wana	Java
Blimbing wänä	Java
Bolumba	Malasia
Buñuelo	Honduras
Camariz	decanim
Camerunga	Angola
Caramba	malayo, inglés. Dominica. Brasil
Carambola	castellano e inglés
Carambola china	Panamá
Carambold	Brasil
Carambole	francés. Benín. Brasil
Caramboler	México
Carambolera	México
Carambolier vrai	francés
Carembola	?
Cö phuong	Indochina
Coolie tamarind	Trinidad
Cornichón	Antillas Francesas
Coromandel gooseberry	inglés. India
Country gooseberry	inglés
Chalingching amis	Java. Archipiélago de la Sonda
Champer	Honduras

NOMBRE	IDIOMA O PAIS
Chinese gooseberry	inglés
Chiramelo	Honduras (La Ceiba)
Chirimolla china	Panamá
Demaksche blimbing	holandés
Doompeeyas tareeis	Célebes (Java)
Durazno exótico	China (Fukien)
Durazno extranjero	China
Eefel ëmroero	Boeroe (Java)
Five corner fruit	Australia
Five fingers	Australia (Queensland). Guyana
Fransche birambi	holandés
Fransman birambi	Surinam
Fruta china	Panamá
Gestirnte Pflaume	alemán
Granatis	Filipinas
Groseille chinoise	China (Cantón)
Haorèla pasaki	Ceram (Java)
Hoc	Tonking
Hoé	Indochina
Kamaraga	Maldivas. Brasil.
Kamarak	Bengala, Kan. (India)
Kamarakha	Guj., Mar. (India)
Kamaranga	India, sinhalí. Indostán.
Kamarunga	India británica
Kambola	malayo
Kámrángá	Bengala (India)
Kamrak	Indostán
Kamrakh	India
Kamrang	Bengala
Kamranga	India
Kamruk	India
Kamurk	India
Karamanga	Sri Lanka
Karamara	Bomb. (India)
Karambol ag	Turquía
Karambol agäci	turco
Karambole	Alemania
Karambole	alemán
Karamunga	Bengala (India)
Karanbal	India
Kardai	Ass. (India)
Karmal	India
Karmara	Sanskrit
Karmaranga	Sans. (India)
Karombole	alemán
Karomonga	Tel. (India)
Kembola	Malasia
Këmbola	Java
Khamaraka	Bomb. (India)
Khamrak	Duk. (India)
Khe	Annam. Vietnam

NOMBRE	IDIOMA O PAIS
Khé	Annam
Khé chua	Indochina
Khe-ta	Vietnam
Kiranelli	Kanara
Kleebang	Solor (Java)
Kooleerang taning	Salajar (Java)
Kumrak	India
Kurmurunga	India británica
Leebi mēlai	Sawoe (Java)
Lèmbètooë lombeeato	Gorontalo (Java)
Limas de Cayena	Brazil
Lombeetooko goola	Boeol (Java)
Lompeeat moromeenit	Célebes (Java)
Loompeeas mamis	Célebes (Java)
Loompeeas tombal	Célebes (Java)
Lopeeas emé	Célebes (Java)
Ma-Feung	Tailandia
Mafuang	Tailandia
Ma-Fuang	Tailandia
Ma-Füang	Tailandia
Ma-Fueang	Tailandia
Ma-Pheung	Tailandia
Maleebi totofooö	Halmaheira (Java)
Mandarina china	Panamá
Meetha-kamarunga	Bengala (India)
Melocotón	Nicaragua
Mimbro	Nicaragua
Mimbro chino	Nicaragua
Nak fuang	Laos
Nggalabola	Roti (Java)
Pakapaka	Zaire, Congo (lenguaje lingala)
Pèche de nature yang	China (Fou-kien)
Pepino de la India	El Salvador
Phuong	Indochina
Pickle fruit	inglés
Pomme de goa	Senegal
Pommier de Goa	francés
Pooleerang taning	Salajar (Java)
Pulichich	Malasia
Qulunbäg	árabe
Quatre coté	Togo
Roompeeasa	Célebes (Java)
Saung gya	Burma
Saungbya	Burma
Saunggya	Burma (India)
Saungya	Burma
Siguampera	Honduras
Spu	Campuchea = Camboya ?. Brasil
Star fruit	inglés
Starapfel	alemán
Star-apple	Tailandia

NOMBRE	IDIOMA O PAIS
Sternfrucht	alemán
Takoolé	Barèe (Java)
Tamarak	Guj. (India)
Tamarat-túka	Mala. (India)
Tamarindo culí	Venezuela
Tamarindo chino	Venezuela
Tamarindo dulce	Venezuela
Tamarta	Sri Lanka (tamil)
Tamarta-káya	Tel. (India). Dekhan
Tamartankamarom	Dekhan
Tamarttamkáy	Sri Lanka (tamil)
Taoolèla pasaki	Ceram (Java)
Tiriguro	Costa Rica
Tjalingtjing amis	Java
Tofooö	Tidore (Java)
Totofooko	Ternate (Java)
Trái khè'	Viet Nam
Varea	Honduras
Vinagrillo	República Dominicana
Wou-lien tseu	China (Cantón)
Yang-t'ao	China (Fou-kien)
Yang tảo hoà	Annam
Yongt'ó	China
Zibline	Haití
Zoete vijfhoek	holandés
Zoun-sí	Burm. (India)
Zoun-ya-si	Burm. (India)

## BIBLIOGRAFIA SOBRE CARAMBOLA

(*Averrhoa carambola* L.)

- ABDULLAH, F.; RAGAB, M.H.H. 1970. Vitamin C content, pH value and titratable acidity of 26 types of Malayan fresh fruits grown in Selangor. *Malaysian Agricultural Journal* (Malaysia) 47(4): 416-428.
- ABEELE, M. van den; VANDENPUT, R. 1951. *Plantes fruitieres*. Bruxelles, Direction de l'Agriculture, de l'Elevage et de la Colonisation. 68 p.
- ABEELE van den, M.; VANDENPUT, R. 1956. Les principales cultures du Congo. Bruxelles (Belge), Ministère des Colonies.
- ACHE, L.; RIBEIRO, I.F. 1950. O pH de frutas nacionais. *Revista da Faculdade de Medicina Veterinaria da Universidade de Sao Paulo* (Brasil) 4(2): 267-269.
- ACKERMAN, D. 1980. Tropical fruit tree potting media experiment. *Proceedings of the Florida State Horticultural Society* 92: 273-275.
- ADNAN, T.A. BIN T.; AUGUSTIN, M.A.; GHAZALI, H.M. 1986. Polyphenoloxidase from starfruit (*Averrhoa carambola* L.). *Pertanika* (Serdang, Malaysia) 9(2): 219-224.



- AGARWALA, S.C.; MEHROTRA, N.K. 1977. Catalase and peroxidase in leaves of iron deficient plants. Proceedings of the Indian Academy of Sciences, Section B 86(1): 55-60.
- ALMEIDA, J.R.; VALSECHI, O. 1966. Guia de composicao de frutas. Piracicaba; Escola Superior de Agricultura "Luiz de Queiroz". Instituto Zimotécnico "Prof. Jayme Rocha de Almeida". p. 64.
- AL-NOWAIHI, A.S.; KHALIFA, S.F. 1971. Studies on some taxa of the Geraniales. I: Floral morphology of *Averrhoa carambola* L., *Oxalis cernua* Thumb. and *Oxalis corniculata* L. with reference to the nature of the staminodes. Proceedings of the Indian National Science Academy. Part B: Biological Sciences 37(4): 189-198.
- ALZATE, W.T.; TANDINGAN, I.C. 1982. Study on the host range of *Botryodiplodia theobromae* Pat. causing charcoal pod rot (fungal diseases) of cacao. Research Journal (University of Southern Mindanao, Philippines) 3(2): 25-38.
- AMERICAN HOME ECONOMICS ASSOCIATION. 1940. Handbook of food preparation. Washington, D.C.
- A.N.A.I. Proyecto Agroforestal. 1986. Talamanca, Limón, Costa Rica. Serie Boletines Técnicos para el Agricultor. Boletín Técnico 2:1.
- ANDREWS, L. 1989. The carambola in Trinidad and Tobago. Proceedings of the Interamerican Society for Tropical Horticulture 33: 44-46.
- ANONIMO. 1922. The cucumber tree. Cuba Rev. 20(3): 16-18.
- ANONIMO. 1951. Carambola. In: Enciclopedia UTEHA. México, D.F. II: 983.
- ANONIMO. 1986. La carambola ¿ el nuevo kiwi ?. Horticultura Moderna (Colombia). Edición No. 3 (Abril-Julio 1986): 23.
- ANONIMO. 1965. La carambola (*Averrhoa carambola* L.). Revista Cafetalera (Guatemala) No. 41 (Enero 1965): 21-22.
- ANONIMO. s.f. Averrhoa. Grande Enciclopédica Portuguesa e Brasileira. Lisboa, Editorial Enciclopédia III: 828.
- ANONIMO. s.f. Carambola. Grande Enciclopédica Portuguesa e Brasileira. Lisboa, Editorial Enciclopédia V: 852.
- ANONYM. 1891. Report on condition of tropical and semitropical fruits in the United States in 1887. Washington, D.C., Government Printing Office. 149 p.
- ANONYM. 1935. Malayan fruits. Malaysian Agricultural Journal 23: 110-133.
- ANONYM. 1964. La mangue y autres fruits tropicaux. Int. Fruit World No. 3, p. 320.
- ANONYM. 1965. Five fingers. Queensland Fruit & Vegetable News 27(7): 155.
- ANONYM. 1969. The Oxford Book of Food Plants. Oxford University Press p. 102-103.
- ANONYM. 1970. Growing carambola. Mimeo. Guyana.
- ANONYM. 1975. The carambola. Nelspruit, South Africa. Citrus and Subtropical Fruit Research Institute. Information Bulletin No. 31. p. 9-10.

- ANONYM. 1977. Annotated bibliography on carambola (*Averrhoa carambola*), (1965-1976). Query File Commonw. Bureau Hortic. Plant Crops. East Mailing, The Bureau. 2 p.
- ANONYM. 1988. Focus on exotics. Carambola's potential as a true star fruit. Fruit Trades Journal 20: 14.
- ANONYM. 1988. Crop production statistics. Planning Division, Min. Agric., Guyana. (Unpubl.)
- ANONYM. s.f. Five corner. In: Some minor tropical tree fruits. Queensland, Department of Primary Industries. Horticulture Branch. p. 2.
- APPEL, O. (Hrsg.). 1932. Handbuch der Pflanzenkrankheiten. Dritter Band. Die pflanzlichen Parasiten. Zweiter Teil. Fünfte, neubearbeitete Auflage. Berlin, Paul Parey. p. 690, 694 [En alemán].
- ARGLES, G.K. 1969. Conference on propagation of tropical and subtropical fruits. (FAO/PL/PTF/7, Add. 2, August 1969) London, 22-24 September. 39 p.
- ARKIN, M. 1983. A progress report on growing carambolas as a commercial crop for South Florida. Rare Fruit Council International, Inc., Newsletter (Miami, FL) 17(8).
- ARRIOLA de, M.C.; MENCHU, J.F.; ROLZ, C. 1976. Caracterización, manejo y almacenamiento de algunas frutas tropicales. ICAITI (Guatemala). 104 p.
- ARRIOLA de, M.C. 1983. Possibilities of the industrialization of tropical fruits. Proceedings for the Tropical Region of the American Society for Horticultural Science 27(A): 143-162.
- AZURDIA P., C.A.; GONZALEZ S., M.M.; AQUINO M., O. 1985. Alternativas alimentarias contra el hambre. Colegio de Ingenieros Agrónomos de Guatemala. p. 3.
- BACKER, C.A.; BAKHUIZEN VAN DEN BRINK Jr., R.C. 1963. Flora of Java. N.V.P. Noordhoff, Groningen, Netherlands. Vol. I.
- BAERNER, J. 1942. Die Nutzhölzer der Welt. Weinheim, Verlag von J. Cramer. II Band: 313.
- BAICHOO, C.S. 1977. Vegetative propagation of fruit plants at the Central Horticultural Station - TIMEHRI. Agric. Res. Guyana (Mon Repos, Guyana) 5: 44.
- BAICHOO, C.S. 1981. Tropical fruit tree crop production in Guyana (*Mangifera indica*, *Persea americana*, *Psidium guajava*, *Carica papaya*, *Averrhoa carambola*, *Citrus*, *Annanas comosus*, *Anacardium occidentale*). In: Proceedings of the Caribbean Workshop on Traditional and Potential Fruit Tree Crop Development. 9-14 november, 1980. Saint Georges, Grenada. Ponencias, Resultados y Recomendaciones de Eventos Técnicos (IICA) 236: 217-237.
- BAILEY, L.H. 1949. Manual of cultivated plants most commonly grown in the continental United States and Canada. Revised edition. Canadá, Collier-Macmillan Canada Ltd. 1116 p.
- BAILEY, L.H. 1961. The standard cyclopedia of horticulture. Revised 19 edition, 6. printing. New York, Macmillan. Vol. 1, 1200 p.
- BAILEY, L.H. 1966. Manual of cultivated plants. New York, MacMillan. p. 601.

- BAILEY, L.H.; BAILEY, E.Z. 1977. Hortus Third: A concise dictionary of plants cultivated in the United States and Canada. 2nd. printing. London, Collier MacMillan Publishers. p. 131.
- BAJPAI, P.N.; PUROHIT, A.G. 1965. Floral biology of Kamrakh (*Averrhoa carambola* L.). Agra. Univ. J. Res. 14(2): 91-99.
- BAJPAI, P.N.; PUROHIT, A.G. 1965. Floral biology of Kamrakh (*Averrhoa carambola* L.). Indian Science Abstracts (New Delhi) 2(12): 1369.
- BALDINI, V.L.S.; DOS SANTOS, DRAETTA, I.; NOMURA, E.H. 1982. Avaliação bioquímica da carambola (*Averrhoa carambola* L.). Coletanea (Instituto de Tecnologia de Alimentos, Brasil) 12(1981-82): 283-291.
- BALDONADO, A.Q. 1966. A study of NATA preparation using locally available fruits. Agriculture and Industrial Life 28(4): 35.
- BALDONADO, A.Q. 1966. A study of NATA preparation using locally available fruits. Philippine Abstracts (Manila) 7(4): 138.
- BANERJEE, D.P.; CHATTERJEE, B.K; RAO, D.P. 1980. Propagating carambola (*Averrhoa carambola* L.) by air-layering with different concentrations of growth regulators. Indian Agriculturist (Calcuta, India) 24(3/4): 165-168.
- BANZON, E.A.; GONZALEZ, O.N.; VILLACORTE, S.C. 1965. Phytin, total phosphorus, and calcium contents of some Philippine foods. Phil. J. Sc. (Manila) 94(2): 141-152.
- BAQAR, M. R. 1980. Vitamin C content of some Papua New Guinean fruits. Journal of Food Technology (New Guinea) 15(4): 459-461.
- BARBEAU, G. 1990. Frutas tropicales en Nicaragua. Dirección General de Técnicas Agropecuarias, Ministerio de Desarrollo Agropecuario y Reforma Agraria (MIDINRA). Editorial Ciencias Sociales. Managua, Nicaragua. p. 257-258.
- BARQUERO, H. 1982. José María Orozco: un sabio en el mundo de las plantas. San José, Costa Rica. Ministerio de Cultura, Juventud y Deportes. Dirección de Publicaciones. p. 291-292.
- BASTOS CRUZ, B.P., et al. 1964. Doenças constatadas pela Secção de Fitopatologia Geral do Instituto Biológico no quadriênio 1960-63. O Biológico (Brasil) 30(6): 129-140.
- BATES, R.P.; SIMS, C.A. 1987. Processing potential of Florida-grown crops. Proceedings of the Florida State Horticultural Society 100: 389-393.
- BATISTA, A.C. 1953. Outras espécies de *Phyllosticta* recolhidas em Pernambuco. In: Anais do Congresso da Sociedade Botânica (Brasil) p. 84-88.
- BATISTA, A.C. 1953. Novos fungos agentes de antracnose. Anais do Congresso da Sociedade Botânica (Brasil) p. 142-144.
- BECKER, K.M. 1973. A comparison of angiosperm classification systems. Taxon 22(1): 19-50 (38, 47).
- BEDEVIAN, A.K. 1936. Illustrated Polyglottic Dictionary of Plant Names. Cairo, Arqus & Papazian Presses. 1112 p.

- BENK, E. 1979. Über weniger bekannte tropische, subtropische und sonstige überseeische Obstfrüchte [= Lesser known tropical, subtropical and other fruits from overseas]. *Riechstoffe, Aromen, Kosmetica (Alemania)* 29(1): 11-12 [En alemán].
- BENK, E. 1984. Zur Kenntnis exotischer Obstfrüchte [= Exotic fruits]. *Industrielle Obst und Gemüseverwertung (Alemania)* 69(5): 223-228 [En alemán].
- BENTON, W. (ed.). 1965. *Enciclopédia Barsa. Rio de Janeiro, Encyclopaedia Britannica Editores. Vol. 4.*
- BERRY, R.E.; WAGNER Jr., C.J.; SHAW, P.E. 1977. Promising products from tropical fruits. *Food Product Development* 11(4): 109-112.
- BERRY, S.K. 1978. The composition of the oil of starfruit (*Averrhoa carambola* Linn.) seeds. *Journal of the American Oil Chemists' Society* 55(3): 340-341.
- BHATTACHARYYA, A.K.; ROY, G.C.; MAZUMDAR, B.C. 1988. De-greening of carambola fruits by steeping fruits with brine water. *Science and Culture (India)* 54(11): 373-375.
- BIENERT, S. 1986. New tropical fruit crops in Florida. A rapidly changing situation. *Proceedings of the Florida State Horticultural Society* 99: 372.
- BIR, S.S.; SIDHU, M. 1979. Cytological observations on weed flora of orchards of Patiala district, Punjab. *Recent Researches in Plant Sciences*. p. 261-271.
- BLUNCK, H. (Hrsg.). 1953. *Handbuch der Pflanzenkrankheiten. Tierische Schädlinge und Nutzpflanzen. Erster Teil, fünfte neubearbeitete Auflage, zweite Lieferung. Berlin & Hamburg, Paul Parey. Vierter Band, p. 288. [En Alemán].*
- BOIS, D. 1928. *Les plantes alimentaires chez tous les peuples et à travers les ages. Paris VI, Paul Lechevalier. Vol. II: 637.*
- BOX, H.E. 1942. *Citrus moth investigations. Report on investigations carried out from Dec. 1939 to Aug. 1941. Gold Coast, Achimota Press. 93 p.*
- BRAGA, R. 1976. *Plantas do Nordeste, especialmente do Ceará. 3 ed. Fortaleza, Coleção Mossoroense 42. p. 156-157.*
- BRANDIS, D. 1921. *Indian trees, an account of trees, shrubs, woody climbers, bamboos and palms indigenous or commonly cultivated in the British Indian empire. London. 767 p.*
- BRIDGES, M.A.; MATTICE, M.R. 1942. *Food and beverage analysis. Philadelphia, Lea & Febiger.*
- BROOKS, J.R. & Son. 1988. *Tropical fruit cuisine: carambola christmas. Tropical Fruit News (Rare Fruit Council International, Inc. Miami, Florida) 22(December): 105-106.*
- BROUK, B. 1975. *Plants consumed by man. London, New York & San Francisco, Academic Press. p. 163.*
- BROWN, W.H. 1954. *Useful plants of the Philippines. Philippines, Department of Agriculture and Natural Resources. Technical Bulletin no. 10. p. 184, 186-187.*

- BRÜCHER, H. 1977. Tropische Nutzpflanzen. Ursprung, Evolution und Domestikation. Berlin, Springer. p. 412. [En Alemán].
- BULHOES, G. DE C. C.; MOTA E SILVA, A. DA; MARQUES DE SA, M. A. 1977. Phytochemical screening of plants native to northeastern Brazil. 2. Anais da Faculdade de Farmacia da Universidade Federal de Pernambuco (Brasil) 15: 39-44.
- BURCH, D.; WILL Jr., A.A. 1984. Subtropical fruits in the landscape. Proceedings of the Florida State Horticultural Society 97: 249-251.
- BURKILL, I.H. 1966. A dictionary of the economic products of the Malay Peninsula. Kuala Lumpur, Ministry Agric. Cooperatives. Art Printing Works. 2 Bde.
- BURUGA, J.H.; OLEMBO, R.J. 1971. Plant food preferences of some sympatric drosophilids of tropical Africa. Biotropica 3(2): 151-158.
- CAESAR, J.C. 1989. Photomorphogenesis in carambola: preliminary observations of seed germination. Proceedings of the Interamerican Society for Tropical Horticulture 33: 91-93.
- CALZADA B., J. 1980. 143 frutales nativos. Lima (Perú), Universidad Nacional Agraria "La Molina". p. 85-86.
- CAMPBELL, C.A.; CAMPBELL, C.W. 1983. Preservation of tropical fruits by drying. Proceedings of the Florida State Horticultural Society 96: 229-231.
- CAMPBELL, C.A. 1987. Carambola fruit development and storage in Florida. Gainesville, Florida. University of Florida, M.Sc. Thesis.
- CAMPBELL, C.A.; KOCH, K.E. 1987. Weight, color, and composition of developing carambola fruit. Proceedings of the Interamerican Society for Tropical Horticulture 31: 75-76.
- CAMPBELL, C.A.; HUBER, D.J.; KOCH, K.E. 1988. Postharvest response of carambolas to storage at low temperatures. Proceedings of the Florida State Horticultural Society 100: 272-275.
- CAMPBELL, C.A. 1989. Storage and handling of carambola. Proceedings of the Interamerican Society for Tropical Horticulture 33: 79-82.
- CAMPBELL, C.A.; HUBER, D.J.; KOCH, K.E. 1989. Postharvest changes in sugars, acids and color of carambola fruit at various temperatures. HortScience 24(3): 472-475.
- CAMPBELL, C.A.; KOCH, K.E. 1989. Sugar/acid composition and development of sweet and tart carambola fruit. Journal of the American Society for Horticultural Science 114(3): 455-457.
- CAMPBELL, C.W. 1965. The Golden Star carambola. Gainesville, Florida, University of Florida, Florida Agricultural Experiment Station. Circular S-173. 6 p.
- CAMPBELL, C.W.; MALO, S.E. 1967. Utilization of Florida fruits in ice cream and sherberts. Florida Agricultural Experiment Station. Annual Report.
- CAMPBELL, C.W. 1970. Minor tropical fruit cultivars in Florida. Proceedings of the American Society for Horticultural Science. 14: 66-73.

- CAMPBELL, C.W. 1970. Minor tropical fruit cultivars in Florida. Proceedings of the Florida State Horticultural Society 83: 353-356.
- CAMPBELL, C.W. 1971. Commercial production of minor tropical fruit crops in Florida. Proceedings of the Florida State Horticultural Society 84: 320-323.
- CAMPBELL, C.W.; MALO, S.E. 1972. The carambola. Homestead, Florida, Institute of Food and Agricultural Science. Agricultural Research and Education Center. Fruit Crops Fact Sheet No.12. 2 p.
- CAMPBELL, C.W. 1973. The potential for tropical fruits in metropolitan areas. Proceedings of the Florida State Horticultural Society 86: 357.
- CAMPBELL, C.W.; GOLDWEBER, S. 1974. Fruit plants for southern Florida. Fruit Crops. Homestead, Florida, Date County Cooperative, Extension Department. Mimeo Nr. 1. 25 p.
- CAMPBELL, C.W.; KNIGHT Jr., R.J.; ZARESKI, N.L. 1977. Freeze damage to tropical fruits in southern Florida in 1977. Proceedings of the Florida State Horticultural Society 90: 254-257.
- CAMPBELL, C.W. 1983. Tropical fruits produced commercially in Florida. Proceedings for the Tropical Region of the American Society for Horticulture Science 27(A): 101-110.
- CAMPBELL, C.W. 1985. Carambola industry in Florida. HortScience 20(1): 16.
- CAMPBELL, C.W. 1985. Tropical fruit in Florida. HortScience 20(1): 16.
- CAMPBELL, C.W.; KNIGHT Jr., R.J.; OLSZACK, R. 1985. Carambola production in Florida. Proceedings of the Florida State Horticultural Society 98: 145-149.
- CAMPBELL, C.W. 1986. Tropical fruit crops in Florida - A rapidly changing situation. Proceedings of the Florida State Horticultural Society 99: 217-219.
- CAMPBELL, C.W. 1988. Tropical fruits produced and marketed in Florida. HortScience (U.S.A.) 23(2), Section 1: 247.
- CAMPBELL, C.W. 1989. Carambola production in the United States. Proceedings of the Interamerican Society for Tropical Horticulture 33: 47-54.
- CAMPBELL, C.W. 1989. Propagation and production systems. Proceedings of the Interamerican Society for Tropical Horticulture 33: 66-71.
- CAMPBELL, C.W.; MARTE, R.J. 1990. Pre-production, production and post-harvest handling of carambola. IICA Office in Barbados. Bridgetown, Barbados. A2/BB-90-002. 20 p.
- CARANGAL Jr., A.R., GONZALEZ, L.G.; DAGUMAN, I.L. 1961. The acid constituents of some Philippine fruits. Philippine Agriculturist 44(10): 514-519.
- CARLOWITZ von, P.G. 1986. Multipurpose tree & shrub seed directory. International Council for Research in Agroforestry. Nairobi (Kenya). 265 p.
- CARREIRA, L.M.M.; SCHATZMAY, O.M.B. 1982. Morfologia polínica de plantas cultivadas no parque do Museu Goeldi. I. Genero *Averrhoa* (Oxalidaceae). Bol. Museu Paraense Emilio Goeldi Bot. (Belem, Brasil). 10 p. [En portugués, con sumario en inglés].

- CAVALCANTE, P.B. 1974. Frutas comestíveis da Amazonia. 3a. ed. Manaus, Amazonas, Publicações Avulsas do Museu Goeldi (Brazil) No. 27. p. 111.
- CLAUSEN, C.P. 1978. Introduced parasites and predators of arthropod pests and weeds: a world review. Washington, D.C. USDA Agriculture Handbook No. 480. p. 333.
- CLIFT, C. 1980. Effect of time of day scions are cut on longevity of scions in polyethylene bags. Proceedings of the Florida State Horticultural Society 93: 161.
- COBIN, M.; RUEHLE, G.D. 1949. Subtropical crops of minor economic importance. Florida Agricultural Experiment Station. Annual Report for 1948/49. p. 245-247.
- COCKBURN, P.F. 1980. Trees of Sabah. Sabah Forest Record 10 (II). 124 p.
- COLE, N.G. 1985. Carambola production in Florida. Proceedings of the Florida State Horticultural Society 98: 357.
- COMMONWEALTH BUREAU OF HORTICULTURE AND PLANTATION CROPS. 1967. Annotated bibliography on the propagation of carambola. East Malling. Communication No. 5212. p. 1-3.
- COMMONWEALTH BUREAU OF HORTICULTURE AND PLANTATION CROPS. 1969. Conference on propagation of tropical and subtropical fruits. London, 22-24 September 1969. East Malling. 119 p.
- CORMEAU, P. 1946. L'arboriculture fruitière au Katanga. C.S.K., Elisabethville. p. 170.
- CORNER, E.J.H. 1951. Wayside trees of Malaya. 2 ed. Singapore, Government Printing Office. Vol. 1, 772 p.
- CORREA M., P. 1931. Dicionario das plantas úteis do Brasil e das exóticas cultivadas. Rio de Janeiro (Brasil). Ministério da Agricultura, Indústria e Comércio. Vol. 2: 33.
- COTTERELL, G.S. 1940. Citrus fruit-piercing moths - Summary of information and progress. In: 3rd. West Afr. Agric. Conference. Nigeria, June 1938. Sect. Gold Coast 1: 11-24.
- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. 1948. New Delhi. The Wealth of India. Raw Materials. Bd. 1-9 Publications Information Directorate, C.S.I.R., New Delhi.
- CRANE, J.H. 1989. Acreage and plant densities of commercial carambola, mamey sapote, lychee, longan, sugar apple, atemoya, and passion fruit plantings in south Florida. Proceedings of the Florida State Horticultural Society 102: 239-242.
- CRANE, J.H.; CAMPBELL, C.W.; OLSZACK, R. 1989. Current status and production practices of carambola in south Florida. Proceedings of the Interamerican Society for Tropical Horticulture 33: 94-99.
- CSIRO. s.f. Carambola (*Averrhoa carambola* L.). Division of Horticultural Research. Reports CSIRO. Adelaide, South Australia. p. 14-15.
- CHAMUAH, G.S. 1987. Ethylene and carbon dioxide production of starfruits (*Averrhoa carambola* L.) stored at various temperatures and in different gas and relative humidity atmospheres. Tropical Agriculture 64(3): 177-180.

- CHAN, D.C.; LEU, T.S. 1986. Seasonal population changes of spider mites on carambola and their chemical control. *Chung Hua Chih Wu Pao Hu Hsueh Hui* [Plant Protection Bulletin, The Plant Protection Society of the Republic of China, Taiwan] 28(3): 263-272 [En chino, con sumario en inglés].
- CHAN Jr., H.T.; HEU, R.A. 1975. Identification and determination of sugars in starfruit sweetsop, green sapote, jack fruit and wi apple. *Journal of Food Science* 40(6): 1329-1330.
- CHAN Jr., H.T.; KWOK, S.C.M. 1975. Identification and determination of sugars in some tropical fruit products. *Journal of Food Science* 40: 419.
- CHAN Jr., H.T.; HEU, R.A. 1975. Identification and determination of sugars in starfruit (*Averrhoa carambola* L.) sweetsop, green sapote, jack fruit and wi apple. *Journal of Food Science* 40(6): 1329-1330.
- CHANDLER, W.H. 1958. Evergreen orchard. 2 ed. Philadelphia, Lea & Febiger. 535 p.
- CHANDLER, W.H. 1962. Frutales de hoja perenne. Trad. México, UTEHA. p. 440-441.
- CHATTERJEE, A.; KUMAR, S. 1970. Chromosome study in Geraniales. *Nucleus (India)* 13(2): 179-200.
- CHAVES M., A. 1977. Cultivo de la carambola (*Averrhoa carambola*). *Correo Agrícola (Costa Rica)*, 15 de noviembre de 1977, p. 11.
- CHAVES M., A. 1978. Es factible industrializar la carambola en Costa Rica. *Periódico La Nación (San José, Costa Rica)*, 13 de diciembre de 1978, p. 12-C.
- CHAVES M., A.; HASBUM P., C. 1978. Factible industrializar la carambola en Costa Rica (*Averrhoa carambola*). *Tecnología en Marcha (Costa Rica)* 2(2): 2-3.
- CHAVES M., A.; HASBUM P., C. s.f. Cultivo de la carambola (*Averrhoa carambola*)—Instituto Tecnológico de Costa Rica. Departamento de Agronomía, San Carlos. Mimeo-grafiado.
- CHEN, M.S. 1950. Acidic constituents of *Averrhoa carambola* L. grown in Taiwan. *Formosan Science* 4:31-32.
- CHEVALIER, A. 1937. Une enquete sur les plantes médicinales de l'Afrique Occidentale. *Rev. de Bot. Appl. et d'Agric. Tropic.* 17: 165-175.
- CHIN, H.F., ENOCH, I.C.; HARUN, R.M.R. (eds.). 1977. Seed technology in the tropics. Selangor, University Pertanian Malaysia. 304 p.
- CHIN, H.F.; PHOON, A.C.G. 1982. A scanning electron microscope study of flowers of carambola, durian and rambutan. *Pertanika (Serdang, Malaysia)* 5(2): 234-239.
- CHING, H.F.; YONG, H.S. 1982. Malaysian fruits in colour. Tropical Press, Kuala Lumpur.
- CHIU, H.T. 1984. Influence of environmental factors on the attractiveness of oriental fruit flies to methyl eugenol. *Plant Protection Bulletin (Taiwan)* 26(4): 355-364.
- CHOUCAIR, K. 1962. Fruticultura colombiana. Frutas tropicales, sub-tropicales y de climas templado y frío. Medellín, Editorial Bedout. Tomo II: 495-496.



- CHUA, S.E.; TEOH, T.S. 1973. Propagation by approach grafting and woody cutting of some tropical fruit and ornamental trees. *Singapore Journal of Primary Industries* 1(2): 87-95.
- CHUPP, C. 1953. A monograph of the fungus genus *Cercospora*. Ithaca, New York. 667 p.
- DAHLGREN, R.M.T. 1980. A revised system of classification of the angiosperm. *Botanical Journal of the Linnean Society* 80(2): 91-124.
- DARLINGTON, C.D.; WYLIE, A.P. 1955. Chromosome atlas of flowering plants. London, Allen & Unwin. p. 519.
- DARSHANA, N. 1966. Floral morphology and abnormalities in *Averrhoa carambola* L. *Science and Culture (India)* 32(7): 369-370.
- DARWIN, C. 1881. *Das Bewegungsvermögen der Pflanzen*. Stuttgart, Deutschland. E. Schweizerbart'sche Verlagshandlung (E. Koch). S. 281-284, 381 [En alemán].
- DAVE, Y.S.; PATEL, N.D.; RUPERA, P.J. 1975. Structural studies in the pistil and developing fruit of *Averrhoa carambola* L. *Flora (Alemania)* 164(6): 479-486.
- DAVIS, G.L. 1966. *Systematic embryology of the angiosperms*. New York, John Wiley & Sons. 528 p.
- DAWES, H. 1979. Reevaluating cold hardiness of certain tropical fruit trees. *California Rare Fruit Growers Yearbook* 11: 46-49.
- DHOORIA, M.S. 1983. An outbreak of citrus mite, *Eutetranychus orientalis* (Klein) in Delhi. *Pesticides* 17(11): 36.
- DONADIO, L.C. 1989. Carambola growing in Brazil. *Proceedings of the Interamerican Society for Tropical Horticulture* 33: 26-29.
- DRAGAVTSEV, A.P. 1966. Carambola (*Averrhoa carambola*). *Sadovodstvo (Budapest)* 9: 30. *Bibliog. of Agriculture (Washington, D.C.)* 31(2): 181.
- DUKE, J.A. 1975. Ethnobotanical observations on the Cuna Indians. *Economic Botany* 29: 278-293.
- DUKE, J.A.; TERRELL, E.E. 1974. Crop diversification matrix: introduction. *Taxon* 23(5/6): 759-799.
- EAST, E.M. 1940. Distribution of self-sterility in flowering plants. *Proceedings of the American Philosophical Society* 82: 449-518.
- ELLIS, M.B. 1957. Haplobasidion, Lacellinopsis and Lacellina. *Mycological Papers No. 57*. p. 5-6.
- ELLIS, T.M.; COPLAND, M.D.; GAYNOR, W.T. 1983. Oxalate toxicity in a scaly-tailed possum, a patagonian cavy and a swamp wallaby (Oxalidaceae and Chenopodiaceae, Australia). *Journal of Wildlife Diseases (EE.UU.)* 19(3): 290-293.
- ENGLER-PRANTL. s.f. *Die natürlichen Pflanzenfamilien*. Leipzig 1 und 2 Auflage, Deutschland [En alemán].
- ESTANOVE, P.; BERTIN, Y.; BROUSTEAU, G. 1972. Consommation et commerce des fruits frais et transformés aux Antilles. *Fruits* 27(5): 395-402.
- EWBANK, T. 1856. *Life in Brazil*. Harper & Brothers, New York.

- FAO (FOOD & AGRICULTURE ORGANIZATION OF THE UNITED NATIONS). 1982. *Especies frutales forestales*. Estudio FAO: Montes. Nr. 34. Roma. p. 18-19.
- FAO (FOOD & AGRICULTURE ORGANIZATION OF THE UNITED NATIONS). 1982. *Fruit-bearing forest trees*. FAO Forestry Paper 34: 19-22.
- FEILDEN, C.; GARNER, R.J. 1936. *Vegetative propagation of tropical and sub-tropical fruits*. East Malling, Imperial Bureau of Fruit Production. Technical Communication no. 7. p. 23-24.
- FERGUSON, J.J.; CRANE, J.H.; OLSZACK, R. 1988. *Growth of young carambola trees using standard and controlled-release fertilizers*. Proceedings of the Interamerican Society for Tropical Horticulture 32: 20-24.
- FERNANDEZ A., J. 1985. *Formulación experimental de productos (mermelada, jugo y ensalada en conserva) a partir de mezclas de frutas no tradicionales*. Tesis Lic. Tecnología de Alimentos. Ciudad Universitaria Rodrigo Facio, Universidad de Costa Rica. 129 p.
- GALAN-SAUCO, V.; HERNANDEZ-DELGADO, P.M.; FERNANDEZ-GALVAN, D. 1989. *Preliminary observations on carambola in the Canary Islands*. Proceedings of the Interamerican Society for Tropical Horticulture 33: 55-58.
- FLETCHER, T.B. 1920. *Life-histories of Indian insects: Microlepidoptera*. Mem. Dept. Agric. India, Pusa, Ent. Ser. 6(1-9) 217 p.
- FONSECA da, E.T. 1954. *Frutas do Brasil*. Rio de Janeiro, Ministério de Educação e Cultura, Instituto Nacional do Livro. p. 106-107.
- FONSECA, H.; NOGUEIRA, J.N.; MARCONDES, A.M.S. 1969. *Ascorbic acid and beta-carotene contents of Brazilian fruits and vegetables*. Archivos Latinoamericanos de Nutrición (Brasil) 19(1): 9-16.
- FONG, C.H.; HOI-SEN, Y. 1981. *Malaysian fruits in colour*. Kuala Lumpur (Malaysia), Tropical Press SDN. BHD. p. 53.
- FONT QUER, P. 1963. *Diccionario de botánica*. Barcelona, Labor. p. 519, 787-788.
- FORDE, H. 1989. *Opportunities for joint ventures in Guyana*. Proceedings of the Interamerican Society for Tropical Horticulture 33: 8-11.
- FORSYTH, J. In: *Agriculture and Land use in Ghana*. WILLS, J.B. (ed.) London, Oxford University Press.
- FORSYTH, J. 1966. *Agricultural insects of Ghana*. Ghana Universities Press ACCRA. p. 12-13.
- FOUQUE, A. 1982. *Les plantes medicinales presentes en foret guyanaise*. Fruits 37(1): 33-58.
- FRANKE, G. *et al.* 1977. *Früchte der Erde*. Gütersloh (Ost Deutschland), Prisma Verlag GmbH. p. 248 [En alemán].
- FRANKE, G. 1981. *Nutzpflanzenkunde: Nutzbare Gewächse der gemäßigten Breiten, Subtropen und Tropen*. 2. Auflage Stuttgart (Deutschland), Thieme Verlag. p. 272-274 [En alemán].
- FREEMAN, C.E.; WORTHINGTON, R.D. 1989. *Is there a difference in the sugar composition of cultivated sweet fruits of tropical/subtropical and temperate origins? Biotropica* 21(3): 219-222.

- FRÖLICH, O.; SCHREIER, P. 1989. Additional volatile constituents of carambola (*Averrhoa carambola* L.) fruit. *Flavour and Fragrance Journal* 4(4): 177-184.
- FURON, V. 1968. Tous fruits au Senegal. A percú des diferentes productions R.A. 68, Tous Fruits, Doc. 59. 3 p.
- GANDERS, F.R. 1979. The biology of heterostyly. *New Zealand Journal of Botany* 17(4): 607-635.
- GARCIA, J. 1982. Bibliografía sobre carambola (*Averrhoa carambola* L.). San José (Costa Rica), Instituto Interamericano de Cooperación para la Agricultura (IICA), CIDIA-IICA, Serie Documentación e Información Agrícola No. 109. 15 p.
- GARCIA, J. 1983. *Averrhoa carambola* L.: Una especie frutal con gran potencial de comercialización. *Tecnología y Agricultura (Chile)* 5(26): 39-41.
- GARNER, R.J.; CHAUDHRI, S.A. 1976. The propagation of tropical fruit trees. Farnham Royal (U.K.), Commonwealth Bureau of Horticulture and Plantation Crops, England. *Horticultural Review* No. 4. 566 p.
- GARNER, R.J. 1985. The propagation of tropical fruit trees. *Horticultural Review* No. 4. Commonwealth Bureau of Horticulture and Plantation Crops. East Malling, Maidstone, Kent. p. 291-303.
- GARRIGAN, J. 1951. The carambola as the "fruit of the month". *Tropical Gardening (EE.UU.)*, March 1951, p. 10.
- GASKINS, M.H.; WINTERS, H.F. 1963. Herbicide trials with young tropical and subtropical fruit and nut trees. *Proceedings of the Florida State Horticultural Society* 75: 418-420.
- GHANI IBRAHIM, A. 1979. Insect pests of Malaysian orchards [*Averrhoa carambola* L.), citrus (*Citrus limon* L.), and mango (*Mangifera indica*)] and their problems. In: Conference on Trends in Applied Biology in South East Asia. Pulau Pinang (Malaysia), 11-14 October 1979. 13 p.
- GHOSH, S.S.; PURKAYASTHA, S.K. 1960. Characteristic arrangement of septate fibres in the wood of *Averrhoa* sp. *Science and Culture (India)* 25(12): 690-691.
- GLASER, T. 1985. Exotic tropical fruits. *The Courier* 92: 56-97.
- GOLDMANN, M.E. 1949. The pH of fruit juices. *Food Research* 14: 275-277.
- GOLDWEBER, S. 1975. Planting and management of tropical and subtropical fruit trees in the home landscape. *Proceedings of the Florida State Horticultural Society* 88: 399-402.
- GONZALEZ, B.M. 1934. Outstanding results of agronomic and horticultural research. *Philippine Agriculturist* 23: 380-399.
- GOULD, W.P.; SHARP, J.L. 1990. Cold-storage quarantine treatment for carambolas infested with the Caribbean fruit fly (Diptera: Tephritidae). *Journal of Economic Entomology* 83: 458-460.
- GOULD, W.P.; WINDEGUT von, D.L. 1991. Gamma irradiation as a quarantine treatment for carambolas infested with Caribbean fruit flies. *Florida Entomologist* 74(2): 297-300.

- GOVIL, C.M.; KAUR, M. 1989. Studies in ovule and seed development in *Averrhoa carambola* L. Acta Bot. Indica (Meerut, India) 17(1): 101-107.
- GREEN, J.G. 1987. Carambola production in Malaysia and Taiwan. Proceedings of the Florida State Horticultural Society 100: 275-278.
- GREEN, J.G.; KOOPMAN, D.D. 1978. The role of the Rare Fruit Council International, Inc. in the development of tropical fruit crops for South Florida. Proceedings of the Florida State Horticultural Society 91: 189-192.
- GRIERSON, W.; VINES, H.M. 1965. Carambolas for potencial use in gift fruit shipments. Proceedings of the Florida State Horticultural Society 78: 349-353. [También en: Citrus Industry 47(10): 5-6, 26-27. 1966].
- GROSS, J.; IKAN, R.; ECKHARDT, G. 1983. Carotenoids of the fruit of *Averrhoa carambola*. Phytochemistry (Oxford) 22(6): 1479-1481.
- GROSZMANN, H.M. 1979. The future of tropical and subtropical fruits in the subtropics. In: Groszmann, H.M; Van der Borg, Ir.H.H. (eds.). Symposium on tropical and subtropical fruits: in marginal environments, in the future. XXth International Horticultural Congress, Sydney (Australia). Acta Horticulturae 102: 45-52.
- GUERRERO, L.M. 1921. Medicinal uses of Philippine plants. Philippine Bureau of Forestry. Bulletin 22(3): 193.
- GUPTA, A.K.; GOVIL, C.M. 1985. Structure and development of fruit wall in some members of Geraniales. Biovigyanam (Pune) 11(1): 33-39.
- GUPTA, S.K.; BANERJEE, A.B. 1972. Screening of selected West Bengal plants for antifungal activity. Economic Botany 26: 255-259.
- GUZMAN, D.J. 1947. Especies útiles de la flora salvadoreña. 2 ed. San Salvador, Imprenta Nacional p. 276, 661.
- GYSIN, H.R. 1984. Karambole. In: Tropenfrüchte. Stuttgart (Deutschland), AT Verlag Aarau. S. 50-51, 96-97, 102 [En alemán].
- HAIK, I. 1952. Contribuição ao estudo bromatológico de *Averrhoa carambola* L. Anais da Faculdade de Farmácia e Odontologia da Universidade de São Paulo (Brasil) 10: 125-133.
- HALL, N.T.; SMOOT, J.M.; KNIGHT Jr., R.J. 1980. Protein and aminoacid compositions of ten tropical fruits by gas-liquid chromatography. Journal of Agricultural and Food Chemistry 28(6): 1217-1221.
- HALLMAN, G.J. 1989. Quality of carambolas subjected to hot water immersion quarantine treatment. Proceedings of the Florida State Horticultural Society 102: 155-156.
- HALLMAN, G.; SHARP, J. 1990. Hot water immersion quarantine treatment for carambolas infested with Caribbean fruit fly (Diptera: Tephritidae). Journal of Economic Entomology 83: 1471-1474.
- HALLMAN, G. 1990. Vapor-heat treatment of carambolas infested with Caribbean fruit fly (Diptera: Tephritidae). Journal of Economic Entomology 83(6): 2340-2342.

- HALLMAN, G. 1990. Survival and reproduction of Caribbean fruit fly (Diptera: Tephritidae) adults immersed in hot water as third instars. *Journal of Economic Entomology* 83(6): 2331-2334.
- HALLMAN, G. 1991. Quality of carambolas subjected to postharvest hot water immersion and vapor heat treatments. *HortScience* 26(3): 286-287.
- HARDY, D.E. 1969. Taxonomy and distribution of oriental fruit fly and related species (Tephritidae: Diptera). *Proceedings of the Hawaii Entomological Society* 20(2): 395-428.
- HARMS, H. 1931. Die natürlichen Pflanzenfamilien. Leipzig (Ost Deutschland), Verlag v. W. Engelmann. Band 19-a: 19-39 [En alemán].
- HAYES, W.B. 1960. Fruit growing in India. 3 ed. Inst. Kitabistan, Allahabad, Sammelan Mudranalaya. p. 392-393, 396-398.
- HEGNAUER, R. 1969. Chemotaxonomie der Pflanzen [Band 5]. Basel und Stuttgart, Birkhäuser Verlag. Chemische Reihe, Band 20. 506 S. [En alemán].
- HEINZE, H. 1983. Some field observations on *Pouteria caimito*, *Pouteria campechiana*, *Diospyros digna* and *Solanum topiro*, under humid tropical conditions (Turrialba, Costa Rica). *Proceedings for the Tropical Region of the American Society for Horticultural Science* 27(A): 111-116.
- HERMANO, A.J. 1934. Food values. Bureau of Science. *Popular Bulletin* No. 16.
- HERMANO, A.J.; SEPULVEDA, G. 1934. The vitamin contents of Philippine foods. 3. Vitamin B in various fruits and vegetables. *Philippine Journal of Science* 54: 61-73.
- HERRMAN, K. 1983. Exotische Lebensmittel. Inhaltsstoffe und Verwendung. Berlin, Heidelberg und New York, Springer-Verlag. 175 S. [En alemán].
- HERRMAN, K. 1981. Übersicht über die chemische Zusammensetzung und die Inhaltsstoffe einer Reihe wichtiger exotischer Obstarten. *Zeitschrift für Lebensmittel-Untersuchung und -Forschung (Deutschland)* 173: 47-60 [En alemán].
- HEYNE, K. 1927. De nuttige planten van Nederlandsch Indie. 2 ed. Nederlandsch-Indie, Departement van Landbouw. p. 853 [En holands].
- HEYWOOD, V.H. 1979. Flowering plants of the world. Oxford University Press. p. 209-210.
- HILL, D. 1979. Agricultural pests of the tropics and their control. Cambridge University Press. p. 325.
- HO, K.Y. 1985. Preliminary report on the carambola fruit borers and their control. *Chung Hua Chih Wu Pao Hu Hsueh Hui* [Plant Protection Bulletin, Taipei] 27(1): 53-62 [En chino, con sumario en inglés].
- HO, K.Y. 1988. Methods for controlling the carambola fruit borer *Eucosma notanthes*. *Chih Wu Pao Hu Hsueh Hui Hui K'* [Plant Protection Bulletin, Plant Protection Society of the Republic of China, Taiwan] 30(1): 45-51 [En chino, con sumario en inglés].

- HODYSS, L.B. 1986. Hardiness of landscape plants in Palm Beach County. Proceedings of the Florida State Horticultural Society 99: 162-164.
- HOLDRIDGE, L.R. 1975. Arboles de Costa Rica. San José (Costa Rica), Centro Científico Tropical. p. 441.
- HONG, T.K.; JAAL, Z. 1986. Comparison of male adult population densities of the oriental and artocarpus fruit flies, *Dacus* spp. (Diptera: Tephritidae), in two nearby villages in Penang, Malaysia. Res. Populat. Ecol. 28(1): 85-89.
- HOOKE, J.D. Flora of British India. Vol. I: 439.
- HOU, T.Y.; TSIANG, J.M.; CHEN, H.C.; CHEN, K.Y.; CHEN, C.K.; HUANG, T.M. 1978. Study on the effect of different varieties and degrees of maturity on the chemical composition of the fruit juices (carambola, papaya, and passion fruit juices). Journal of the Chinese Agricultural Chemical Society 16(1-2): 14-23.
- HOWARD, D.F.; KENNEY, P. 1987. Infestation of carambolas by laboratory-reared Caribbean fruit flies (Diptera: Tephritidae): effects of fruit ripeness and cultivar. Journal of Economic Entomology 80(2): 407-410.
- HSU, W.F. 1977. Marketing cost of fruits and vegetables in Taiwan. Department of Agricultural Economics, National Taiwan University. 83 p.
- HUBERT, P. 1912. Fruits des pays chauds. s.l. p. 465-470.
- HUISWOUD, R.R.; SCHOTMAN, C.Y.L. 1990. Carambola fruit-fly, *Dacus* sp. near *dorsalis* (Diptera: Tephritidae) in Suriname. FAO Plant Protection Bulletin (Italy) 38(3): 135-139.
- HUTCHINSON, J. 1959. The families of flowering plants. 2nd. edition. London, Oxford University Press. Vol. 1, Dicotyledons. 510 p.
- HWANG, J.S.; HUNG, C.C.; LO, C.C.; HUNG, M.D. 1987. Sex attractant for two carambola fruit borers, *Eucosma notanthes* Meyrick and *Cryptophlebia ombrodelta* Lower. Chung Hua Chih Wu Pao Hu Hsueh Hui [Plant Protection Bulletin, The Plant Protection Society of the Republic of China, Taiwan] 29(3): 321-323 [En chino, con sumario en inglés].
- IBRAHIM, A.G., SINGH, G.; KING, H.S. 1979. Trapping of the fruit-flies, *Dacus* spp. (Diptera: Tephritidae) with methyl eugenol in orchards. Pertanika (Malaysia) 2(1): 58-61.
- IBRAHIM, A.G.; HASHIM, A.G. 1980. Efficacy of methyl-eugenol as male attractant for *Dacus dorsalis* Hendel (Diptera: Tephritidae). Pertanika (Malaysia) 3(2): 108-112.
- IBRAHIM, A.G.; LIYANAGE, M. de S. 1982. Use of chemical (calcium carbide) and traditional methods (leaves of *Croton aromaticus* L. and *Averrhoa bilimbi* L.) to induce sprouting in *Dioscorea* species (*Dioscorea alata* L.). In: Proceedings of the 38th. Annual Session of the Sri Lanka Association for the Advancement of Science. Colombo (Sri Lanka), 17-21 December 1982. p. 18-19.
- IBRAHIM, A.G.; RAHMAN, M.D.A. 1982. Laboratory studies of the effects of selected tropical fruits on the larvae of *Dacus dorsalis*, Hendel. Pertanika (Malaysia) 5(1): 90-94.

- IBRAHIM, M.N.M.; LIYANAGE, M. de S. 1984. Studies on root and tuber crops grown in association with the coconut. 2. Efficacy of calcium carbide and leaves of *Croton aromaticus* and *Averrhoa bilimbi* in breaking dormancy of *Dioscorea* yams. *Cocos* 2: 1-9.
- IBRAHIM, Y.; MOHAMAD, R. 1978. Pupal distribution of *Dacus dorsalis* Hendel in relation to host plants and its pupation depth. *Pertanika* (Malaysia) 1(2): 66-69.
- ISMAIL, A.A., SHAWKI, W.M.; HAMZA, A.S. 1978. Cholesterol in fruits, vegetables and edible oils. *Egyptian Journal of Horticulture* 5(2): 83-91.
- IZIRO, Y.; HORI, Y. 1983. Thickening growth and contraction of contractile root(s) in relation to thickening growth of daughter corm or bulbs in gladiolus and *Oxalis bowieana* Lodd. *Journal of the Japanese Society for Horticultural Science* (Japan) 51(4): 449-458.
- IZIRO, Y.; HORI, Y. 1983. Effect of planting depth on the growth of contractile root(s) and daughter corm or bulbs in gladiolus and *Oxalis bowieana* Lodd. *Journal of the Japanese Society for Horticultural Science* (Japan) 52(1): 51-55.
- IZIRO, Y.; HORI, Y. 1983. Retranslocation of photoassimilates accumulated in contractile root(s) to daughter corm of bulbs in gladiolus and *Oxalis bowieana* Lodd. *Journal of the Japanese Society for Horticultural Science* (Japan) 52(1): 56-64.
- IZIRO, Y.; HORI, Y. 1983. Effect of temperature on the growth of contractile root(s) and daughter corm or bulbs in gladiolus and *Oxalis bowieana* Lodd. *Journal of the Japanese Society for Horticultural Science* (Japan) 51(4): 459-465.
- JACSKMOLLEY, E.G. 1966. A caramboleira. *Folha de Sao Paulo* (Brasil), Marzo 26.
- JAIN, S.; SAKSENA, S.B. 1985. Three new soft rot diseases of *Averrhoa carambola* from India. *National Academy Science Letters* (India) 7(11): 327-328.
- JONES, R.A.C.; KENTEN, R.H. 1981. A strain of arracacha virus B infecting oca (*Oxalis tuberosa*: Oxalidaceae) in the Peruvian Andes. *Phytopathologische Zeitschrift* (Alemania) 100(1): 88-95.
- JOSEPH, J. 1977. The candying of carambola (*Averrhoa carambola* L.). *Univ. West Indies. Dept. Chem. Eng., St. Augustine, Trinidad*.
- JOSEPH, J.; MENDONCA, G. 1989. Chemical characteristics of *Averrhoa carambola* L. *Proceedings of the Interamerican Society for Tropical Horticulture* 33: 111-116.
- JOSEPH, J.; MENDONCA, G. 1989. Oxalic acid content of carambola (*Averrhoa carambola* L.) and bilimbi (*Averrhoa bilimbi* L.). *Proceedings of the Interamerican Society for Tropical Horticulture* 33: 117-120.
- JOSEPH, J.; MENDONCA, G. 1989. Studies on the candying process of *Averrhoa carambola* L. and the utilization of the product in bakery products and desserts. *Proceedings of the Interamerican Society for Tropical Horticulture* 33: 121-126.

- JOST, L. 1913. Pflanzenphysiologie. Dritte Auflage. Jena (Deutschland), Verlag von Gustav Fischer. S. 705-706 [En alemán].
- KABUYE, C.H.S. 1971. Flora of tropical East Africa: Oxalidaceae. Arusa (Tanzania), East African Community. 19 p.
- KALIE, M.B. 1980. Kita berpacu lalat: belimbingnya harus dibungkus [= Wrapping "belimbing" fruits (*Averrhoa carambola*) to prevent fruit flies (*Dacus dorsalis*)]. Gema Rimba (Indonesia) 6(45-46): 41-44.
- KALYANKAR, G.D.; KRISHNASWAMY, P.R.; SREENIVASAYA, M. 1952. Papyrographic characterisation and estimation of organic acid in plants. Current Science (India) 21: 220-222.
- KAPOOR, I.J.; TANDON, R.N. 1969. A note on *Drechslera* rot of tomato. Current Science (India) 38(5): 120-121.
- KARTAWINATA, K.; ABDULHADI, R.; PARTOMIHARDJO, T. 1981. Composition and structure of a lowland dipterocarp forest at Wanariset, East Kalimantan. Malaysian Forester 44(2-3): 397-406.
- KENNARD, W.C.; WINTERS, H.F. 1960. Some fruits and nuts for the tropics. U.S. Department of Agriculture. Miscellaneous Publication No. 801. 135 p.
- KENNARD, W.C.; WINTERS, H.F. 1963. Frutas y nueces para el trópico. México, Agencia para el Desarrollo Internacional (A.I.D.), Centro Regional de Ayuda Técnica. p. 48.
- KENNEY, P.; HULL, L. 1986. Effects of storage condition on carambola quality. Proceedings of the Florida State Horticultural Society 99: 222-224.
- KHOSLA, P.K. 1978. Cytosystematics of some hardwood families. Nucleus (India) 21(3):211-218.
- KNIGHT Jr., R.J. 1964. The carambola in South Florida. Rare Fruit Council of South Florida. Occasional Paper, Bulletin 1: 3-6.
- KNIGHT Jr., R.J. 1965. Heterostyly and pollination in carambola. Proceedings of the Florida State Horticultural Society 78: 375-378.
- KNIGHT Jr., R.J. 1969. The carambola: a fruit for South Florida. Muse News 1(3): 60-61, 75.
- KNIGHT Jr., R.J. 1974. Special problems in tropical fruit production. In: 19th. International Horticultural Congress. Warszawa, Poland. Vol. 3: 59-68.
- KNIGHT Jr., R.J. 1975. Fruit trees as useful landscape items in Florida's dooryard plantings. Proceedings of the Florida State Horticultural Society 88: 393-398.
- KNIGHT Jr., R.J. 1982. Response of carambola seedling populations to Dade County's oolitic limestone soil. Proceedings of the Florida State Horticultural Society 95: 121-122.
- KNIGHT Jr., R.J. 1982. Partial loss of self-incompatibility in "Golden Star" carambola. HortScience 17(1): 72.
- KNIGHT Jr., R.J. 1983. Tropical fruits of Asia with potential for expanded world production. Proceedings for the Tropical Region of the American Society for Horticulture Science 27(A): 71-93.



- KNIGHT Jr., R.J.; LAMBERTS, M.; BUNCH, J.S. 1984. World and local importance of some tropical fruit crops grown in Florida. Proceedings of the Florida State Horticultural Society 97: 351-354.
- KNIGHT Jr., R.J. 1988. Miscellaneous tropical fruits grown and marketed in Florida. Proceedings of the Interamerican Society for Tropical Horticulture 32: 34-41.
- KNIGHT Jr., R.J. 1989. Carambola cultivars and improvement programs. Proceedings of the Interamerican Society for Tropical Horticulture 33: 30-43.
- KNIGHT Jr., R.J. 1989. The modern carambola cultivar picture. Proceedings of the Interamerican Society for Tropical Horticulture 33: 72-78.
- KÖRNER, C.; PELAEZ MENENDEZ-RIEDL, S.; JOHN, P.C.L. 1989. Why are bonsai plants small? A consideration of cell size. Australian Journal of Plant Physiology 16(5): 443-448.
- KRANZ, B. 1981. Das grosse Buch der Früchte. Exotische und einheimische Arten. München, Südwest Verlag. S. 191-194.
- KUMAR, A. 1975. Studies in Geraniales. 3. The structure and the development of the fruit wall in *Averrhoa carambola* L. Current Science (India) 44(6): 204-205.
- KUNKEL, G. 1984. Plants for human consumption. Königstein, Költz Scientific Books. p. 47.
- KWOK-KONG, A.L. 1974. The economics of establishing a 500-acre fruit orchard in Peninsular Malaysia. Malaysian Agricultural Journal 49(4): 421-432.
- LAM, P.F.; WAN, C.K. 1983. Climateric nature of the carambola (*Averrhoa carambola* L.) fruit. Pertanika (Serdang, Malaysia) 6(3): 44-47.
- LAM, P.F.; WAN, C.K. 1987. Ethylene and carbon dioxide production of starfruits (*Averrhoa carambola* L.) stored at various temperatures and in different gas and relative humidity atmospheres. Tropical Agriculture (Guildford) 64(3): 181-184.
- LAMBERTS, M.; CRANE, J.H. 1990. Tropical fruits. In: Janick, J.; Simon, J.E. (eds.). Advances in new crops: Proceedings of the First National Symposium. New Crops: Research, Development, Economics. Indianapolis, Indiana, Oct. 23-26 1988. Portland, Oregon, Timber Press. p. 337-355.
- LAPIS, D.B.; DUMANCAS, E.E. 1978. Fungicidal activity of leaves of *Averrhoa carambola*. Philipp. Phytopathol. 14: 23-37.
- LARUE, M. 1973. Arboriculture fruitiere tropicale. Universite Nationale du Zaire, Institut Superieur d'Enseignement Agricole de Bengamisa. 155 p.
- LAWRENCE, C. 1986. Strange names, fancy flavors. Washington, D.C., Agric. Res. U.S. Dep. Agric. Res. Serv. The Administration 34(8): 11-13.
- LECOMTE, H. 1925-1926. Les bois de l'Indochine. Paris, 126. pl. XXXIX.
- LEDIN, R.B. 1957. Tropical and subtropical fruits in Florida (other than citrus). Economic Botany 11: 349-376.
- LEITAO Filho, H.F.; ARANHA, C.; BACCHI, O. 1975. Plantas invasoras de culturas no estado de São Paulo. São Paulo (Brazil), Editora de Humanismo, Ciencia y Tecnologia 'Hucitec' Ltda. p. 297-597.

- LEON, J. 1968. Fundamentos botánicos de los cultivos tropicales. San José (Costa Rica), Instituto Interamericano de Cooperación para la Agricultura (IICA). Textos y Materiales de Enseñanza No. 18. p. 356-357.
- LEWIS, D.; GROEIZAM, M. 1989. The cultivation and utilization of carambola in Suriname. Proceedings of the Interamerican Society for Tropical Horticulture 33: 59.
- LEWIS, Y.S.; JOHAR, D.S. 1954. A case of fruit rot caused by yeast. Science and Culture 19(11): 559.
- LEWIS, Y.S.; DWARAKANATH, C.T.; JOHAR, D.S. 1954. Acids and sugars in the Kamrakh (*Averrhoa carambola* L.). Current Science (India) 23: 54-55.
- LI, H.-L. 1963. Woody flora of Taiwan. Narberth, Pa., Livingston Publ. Co. V-X. 974 p.
- LI, H.-L. 1970. The origin of cultivated plants in southeast Asia. Economic Botany 24: 3-19.
- LI, L.Y. 1936. Anthracnose of Hwangpee, *Clausena lansium* (Lour.). Skeels, in South China. Lingnan Science Journal 15(1): 113-117.
- LINSKENS, H.F.; JACKSON, J.F. (eds). 1986. Gas Chromatography/Mass Spectrometry. Modern Methods of Plant Analysis. New Series 3: 259.
- LITTLE, E.L. Jr.; WADSWORTH, F.H. 1964. Common trees of Puerto Rico and the Virgin Islands. USDA, Agriculture Handbook No. 249.
- LITTLE, E.L. Jr.; WOODBURY, R.O.; WADSWORTH, F.H. 1974. Trees of Puerto Rico and the Virgin Islands. USDA, Forest Service.
- Agriculture Handbook No. 449. 2nd. volumen. p. 312-313.
- LITZ, R.E.; CONOVER, R.A. 1980. Partial organogenesis in tissue cultures of *Averrhoa carambola*. HortScience 15(6): 735.
- LOEBEL, R. 1976. Five corner fruit, Golden Star carambola. Australia, NSW Department of Agriculture, North Coasth Region, Division of Horticultural Research, C.S.I.R.O. 3 p.
- LÖVE, A. (ed.). 1973. IOPB Chromosome number reports XLII. Taxon 22(5/6): 647-654.
- LÖVE, A. (ed.). 1979. IOPB Chromosome number reports LXIII. Taxon 28(1, 2/3): 265-279.
- LÖVE, A. (ed.). 1982. IOPB Chromosome number reports LXXVI. Taxon 31(3): 574-598.
- LOPEZ, H. et al. 1956. Tabla provisional de la composición nutritiva de los alimentos cubanos. Boletín del Colegio Médico de La Habana (Cuba) 7(10): 333-357.
- LOURTEIG, A. 1980. Flora of Panama. IV. Family 84. Oxalidaceae. Annals of the Missouri Botanical Garden (EE.UU.) 67(4): 823-850.
- LOURTEIG, A. 1981. Biophytum umbraculum (Oxalidaceae). Brittonia 33(3): 451-452.
- LOURTEIG, A. 1979. Oxalidaceae extra-austroamericanae. II. *Oxalis* L. sectio Corniculatae DC. Phytologia (EE.UU.) 42(2): 57-198.
- LOURTEIG, A. 1982. Oxalidaceae extra-austroamericanae. IV. *Oxalis* L. sectio Articulatae Knuth. Phytologia (EE.UU.) 50(2): 130-142.

- LOURTEIG, A. 1980. Oxalidaceae extra-sudamericanae. III. Subgenus *Monoxalis* Lourt. stat. nov. *Phytologia* (EE.UU.) 46(7): 451-459.
- LUM, L.C. 1975. Fruits in Peninsular Malaysia. FAO-Access No. 34610. p. 47-52.
- LUND, E.D.; SMOOT, J.M. 1982. Dietary fiber content of some tropical fruits and vegetables. *Journal of Agricultural and Food Chemistry* 30(6): 1123-1127.
- LYNCH, R.I. 1877. ¿?. *Journ. Linn. Soc.* Vol. 16. Botan. p. 231.
- MACLEOD, G.; AMES, J.M. 1990. Volatile components of starfruit. *Phytochemistry* (Oxford) 29(1): 165-172.
- MacMILLAN, H.F. 1935. Tropical planting and gardening. 4th. edition. s.l. 560 p.
- MacMILLAN, H.F. 1962. Tropical planting and gardening. 5th. edition. London, Macmillan & Co., Ltd.
- MAGIELSE, M.M. 1931. Resultaten van enten en Oculeeren van Vruchtboomen in den Gouvernementstu Inbouwproeftuin 1930-31. *Ragoenan. Landbouw* 6: 944-971.
- MAHESHWARI, P.; SINGH, U. 1965. Dictionary of economic plants in India. New Delhi, Indian Council of Agricultural Research. p. 18.
- MALAVASI, A; MORGANTE, J.S.; ZUCCHI, R.A. 1980. Biologia de "moscas-das-frutas" (*Diptera, Tephritidae*). I: Lista de hospedeiros e ocorrência. *Revista Brasileira de Biologia* 40(1): 9-16.
- MALAVASI, A; MORGANTE, J.S. 1980. Biologia de "moscas-das-frutas" (*Diptera, Tephritidae*). II: Indices de infestação em diferentes hospedeiros e localidades. *Revista Brasileira de Biologia* 40(1): 17-24.
- MALO, S.E. 1969. Florida's role in the development of tropical horticulture- in mineral nutrition of fruit trees. *Proceedings of the Florida State Horticultural Society* 58: 291-299.
- MANDAL, N.C.; DAS GUPTA, M.K. 1984. Five new diseases of perishable fruits in storage. *Indian Phytopathology* (New Delhi) 37(4): 673-676.
- MANJUNATH, B.L. (ed.). 1948. The wealth of India. A dictionary of indian raw materials and industrial products. New Delhi, India, Council of Scientific & Industrial Research. Vol. 1: 139-140.
- MANSFELDS, R. 1986. Verzeichnis landwirtschaftlicher und gartnerischer Kulturpflanzen (ohne Zierpflanzen). L. Auflage H. Bane. Berlin, Springer-Verlag & Polzyo.
- MARAFIOTI, R.L. 1970. The meaning of generic names of important economic plants. *Economic Botany* 24: 189-207.
- MARAÑÓN, J. 1935. Nutritive mineral value of Philippine food plants (calcium, phosphorus, and iron contents). *Philippine Journal of Science* 58: 317-358.
- MAROOCHY HORTICULTURAL RESEARCH STATION. 1988. Research projects on *Averrhoa carambola* L. In: Report No. 5, 1986-87. Maroochy, Australia. 146 p.

- MARTE, R. 1986. Planning and early care of your fruit trees. IICA Miscellaneous Publication. Bridgetown, Barbados. Series No. A/2 BB-86-001/ISSN-0534-5391.
- MARTE, R. 1988. Assessment of less-traditional fruit enterprises for the Caribbean: potential and constraint. Paper presented at the Alternative Agricultural Enterprises for the Caribbean and Pacific Basins Workshop. Jamaica.
- MARTE, R. 1989. International carambola network: an idea to facilitate horizontal cooperation among carambola producing countries. Proceedings of the Interamerican Society for Tropical Horticulture 33: 60-65.
- MARTIN, F.W. (ed.). 1984. CRC Handbook of tropical food crops. Boca Ratón, Florida, CRC Press, Inc. p. 269.
- MARTIN, F.W.; CAMPBELL, C.W.; RUBERTE, R.M. 1987. Perennial edible fruits of the tropics: An inventory. U.S. Dept. Agric. Handbook No. 642.
- MASEFIELD, G.B. *et al.* 1973. The Oxford book of food plants. Oxford University Press. p. 102-103.
- MASFERRER, R. 1881. Jardín de Foronda en Santa Cruz de Tenerife. Revista de Canarias 58: 116-118.
- MATTHEWS, R.F.; SIMS, C.A.; WEST, P.F. 1988. Utilization of carambola in a tropical beverage. Proceedings of the Interamerican Society for Tropical Horticulture 32: 25-33.
- MATTHEWS, R.F. 1989. Processing of carambola. Proceedings of the Interamerican Society for Tropical Horticulture 33: 83-90.
- MAURAND, P. 1938. L'Indochine forestiere. Hanoi. 150 p.
- MAYO, N. 1941. Tropical fruits in Florida with commercial possibilities. Agric. Tallahassee. p. 18-20.
- MCGREGOR, S.E. 1976. Insect pollination of cultivated crop plants. USDA Agriculture Handbook No. 496. p. 125-126.
- McMILLAN Jr., R.T. 1986. Serious diseases of tropical fruits in Florida. Proceedings of the Florida State Horticultural Society 99: 224-227.
- McSORLEY, R.; CAMPBELL, C.W.; PARRADO, J.L. 1982. Nematodes associated with tropical and subtropical fruit trees in South Florida. Proceedings of the Florida State Horticultural Society 95: 132-135.
- MEHRA, K.L. 1966. Portuguese introduction of fruit plants in India. INHOA (Indian Horticulture) 10(3): 9-12, 32.
- MEISTER, C.W. 1986. Current status of IR-4 projects for tropical fruits in Florida. Proceedings of the Florida State Horticultural Society 99: 230-231.
- MERRIL, E.D. 1981. Plant life of the Pacific world. Tokyo, Japan, Charles E. Tuttle Co. 297 p.
- MILLER, N.C.E. 1940. Fruit flies. Malay. Agric. J. 28(3): 112-121.
- MILLER, C.D.; BAZORE, K. 1945. Fruits of Hawaii. Description, nutritive value, and use. Hawaii Agricultural Experiment Station. Bulletin No. 96. 129 p.

- MILLER, C.D.; BAZORE, K.; BARTOW, M. 1965. Fruits of Hawaii. Description, nutritive value and recipes. University of Hawaii Press, Honolulu, Hawaii. p. 46-47, 206-215.
- MILLER, E.V. 1955. An antioxidant in the fruits of the carambola, (*Averrhoa carambola* L.). Plant Physiology 30(Suppl.): 37.
- MILLER, W.R.; McDONALD, R.E.; SHARP, J.L. 1990. Condition of Florida carambolas after hot-air treatment and storage. Proceedings of the Florida State Horticultural Society 103: 238-241.
- MISRA, R.S. 1969. A note on the propagating Carambola-D (*Averrhoa carambola*-D) by air layering with the aid of pant growth regulators. Labdev J. Sci. Tecnol. Part B 7B(3): 241.
- MOLESWORTH, A.B. 1967. Malayan fruits. Singapore, Donald Moore Press Ltd. 245 p.
- MOLL; JANSSONIUS. s.f. Mikrographie des Holzes. Leiden 1906-1914.
- MOORE, R.J. (ed.). 1973. Index to plant chromosome numbers 1967-1971. Netherlands, Utrecht, International Bureau for Plant Taxonomy and Nomenclature.
- MORALES M., M.A. 1962. Contribución al estudio de la *Averrhoa carambola* L. "carambola". Tesis Lic. en Farmacia. Ciudad Universitaria Rodrigo Facio, Universidad de Costa Rica. 44 p.
- MOREUIL, C. 1971. Notes breves sur quelques especes fruitieres de la cote est de Madagascar. Fruits d'Outre Mer 26(1): 53-65.
- MOREUIL, C. 1974. L'approvisionnement fruitier des marchés de Tamatave (Madagascar). Fruits 29(7-8): 531-536.
- MORTENSEN, E.; BULLARD, E.T. 1967. Horticultura tropical y subtropical. México, D.F. (México). Centro Regional de Ayuda Técnica. 275 p.
- MORTON, J.F. 1964. Honeybee plants of South Florida. Proceedings of the Florida State Horticultural Science 77: 415-436.
- MORTON, J.F. 1987. Carambola. In: Morton, J.F. Fruits of warm climates. Miami, Florida.
- MOWERY, H.; TOY, L.R. 1931. Miscellaneous tropical and subtropical Florida fruits. Univ. of Florida, Agr. Ext. Service. Bulletin No. 223.
- MOWERY, H.; TOY, L.R.; WOLFE, H.S. 1941. Miscellaneous tropical and subtropical Florida fruits. Florida Agricultural Experiment Station. Bulletin No. 109. También en: Florida Agricultural Extension Service. Bulletin No. 156-A. 1958. 116 p.
- MRIDULA, D. 1969. Structural adaptations for contractility in *Averrhoa carambola* L. Transactions of the Bose Research Institute of India 32(3-4): 65-74.
- MUKHERJEE, S.K. 1979. The future of tropical and sub-tropical fruits in tropical Asia. Acta Horticulturae 102: 33-39.
- MULLER, A.S. 1935. Brazil: some new diseases observed in the State of Minas Gerais in 1934. International Bulletin of Plant Protection 9(8): 175-176.
- MUSTARD, M.J. 1952. Ascorbic acid content of some miscellaneous tropical and subtropical plants and plant products. Food Research 17(1): 31-35.

- NAGY, S.; BARROS, S.; CARTER, R.; CHEN, C.S. 1990. Production and characterization of carambola essence. Proceedings of the Florida State Horticultural Society 103: 277-279.
- NAGY, S.; SHAW, P.E. 1990. Factors affecting the flavor of citrus fruit. In: Morton, I.D.; MacLeod, A.J. (eds.). Food flavours. Part C: The flavour of fruits. Amsterdam, Elsevier Publishers. p. 93-124.
- NAIK, K.C. 1963. South Indian fruits and their culture. Madras, P. Varadachary & Co. 355 p.
- NAND, D. 1966. Floral morphology and abnormalities in *Averrhoa carambola* L. Science and Culture (India) 32: 369-370.
- NAND, D. 1967. Some interesting (morphological) abnormalities in carambola (*Averrhoa carambola* L.) fruit (cause unknown). Science and Culture (India) 33(5): 240.
- NAND, D. 1970. Flowering and bearing behaviour of carambola (*Averrhoa carambola* L.). Indian Journal of Horticulture 27(3-4): 147-152.
- NAND, D. 1971. Pollination, fruit set and fruit development in carambola (*Averrhoa carambola* L.). Indian Journal of Horticulture 28(4): 278-284.
- NARAYANASWAMI, R.; RAMABADRAN, R. 1969. Algal leaf spot disease on various hosts in Tamilnad, Madras State, India. Plant Disease Reporter (EE.UU.) 53(2): 101.
- NAVIA, J.M. et al. 1955. Tabla provisional de la composición nutritiva de los alimentos cubanos. Boletín del Colegio Médico de La Habana (Cuba) 6(5): 145-156.
- NAVIA, J.M. et al. 1957. Nutrient composition of Cuban foods. 2. Foods of vegetable origin. Food Research 22(2): 131-144.
- NELSON S., C.H. 1982. Nociones de taxonomía vegetal. Tegucigalpa, Honduras, Editorial de la Universidad Nacional Autónoma de Honduras. Colección Docencia No. 7. p. 78.
- NELSON S., C.H. 1986. Plantas comunes de Honduras. Tegucigalpa, Honduras, Editorial de la Universidad Nacional Autónoma de Honduras. Tomo I: 130, 132.
- NELSON, E.K.; CURL, A.L. 1940. The non-volatile acids of the carambola. Puerto Rico Agricultural Experiment Station (Mayagüez) Report 1940: 91-93.
- NELSON, R.O. 1969. Plant propagation, a half century of progress in Florida. Proceedings of the Florida State Horticultural Society 82: 278-283.
- NGAH, A.W.B.; AHMAD, I.; HASSAN, A. 1989. Carambola production, processing and marketing in Malaysia. Proceedings of the Interamerican Society for Tropical Horticulture 33: 30-43.
- NORDBY, H.E.; HALL, N.T. 1979. Lipid markers in chemotaxonomy of tropical fruits: preliminary studies with carambola and loquat. Proceedings of the Florida State Horticultural Society 92: 298-300.
- NORTON, J.B. 1922. Description of P.I. 48698. *Averrhoa carambola* L. in USDA. Inventory of Seeds and Plants imported by the Office of Foreign Seed and Plant Introduction during the period from nov. 1 to dec. 31, 1949. (No. 61). Washington, D.C., Government Printing Office. 88 p.

- NUÑEZ M., E. 1975. Plantas medicinales de Costa Rica y su folklore. San José, Universidad de Costa Rica, Departamento de Publicaciones. p. 180.
- OCFEMIA, G.O. 1931. Notes on some economic plant diseases new in the Philippine Islands: II. Philipp. Agric. 19(9): 581-589.
- OCHSE, J.J. 1927. Indische Vruchten. Weltvreden, Volkslektuur. p. 330.
- OCHSE, J.J. 1931. Fruits and fruitculture in the Dutch East Indies. Batavia-C., G. Kolff & Co. p. 91-93.
- OCHSE, J.J.; BRINK van den, R.C.B. 1931. Fruits and fruit culture in the Dutch East Indies. Batavia-Centrum, G. Kolff & Co. 180 p.
- OCHSE, J.J., et al. 1961. Tropical and subtropical agriculture. New York, Macmillan. Vol. 1: 690-693.
- OCHSE, J.J., et al. 1965. Cultivo y mejoramiento de plantas tropicales y subtropicales. México, D.F., Centro Regional de Ayuda Técnica. Vol. 1: 757-761.
- OCKERMAN, H.W. 1978. Source book for food scientists. Westport (Connecticut), The AVI Publishing Co., Inc. AVI Sourcebook and Handbook Series. Vol. 1: 51.
- OGDEN, M.A.H.; CAMPBELL, C.W. 1979. Tropical fruits and their indigenous relatives in southern Florida. Proceedings of the Florida State Horticultural Society 92: 294-298.
- OGDEN, M.A.H.; JACKSON, L.K.; CAMPBELL, C.W. 1981. Florida tropical fruit culture via master gardener. Proceedings of the Florida State Horticultural Society 94: 222-225.
- OLIVEROS-BELARDO, L.; CARDEÑO, V.; PEREZ, P. 1971. Physical properties of some Philippine essential oils. Flavour Industry 2(5): 305-309.
- OOI, P.A.C. 1980. Fruit flies: incidence, natural control and strategies for their management. National Seminar Buah-buahan, Malaysia, 5-7 November 1980.
- OOI, P.A.C. 1981. *Dacus* spp. reared from carambola fruits in Malaysia. Malaysian Agricultural Journal (Kuala Lumpur, Malaysia) 53(1): 15-19.
- OOI, P.A.C. 1984. A fruit fly survey in a starfruit orchard in Serdang, Selangor. Journal of Plant Protection in the Tropics 1(1): 63-65.
- OPPENHEIHER, C. 1956. Study tour on subtropical fruit growing and research to India and Ceylon. Publ. Department Rehovot, Special Bulletin no. 3. 60 p.
- ORNDUFF, R. 1964. The breeding system of *Oxalis suksdorfii*. American Journal of Botany 51(3): 307-314.
- OSLUND, C.R.; DAVENPORT, T.L. 1983. Ethylene and carbon dioxide in ripening fruit of *Averrhoa carambola*. HortScience 18(2): 229-230.
- PADMAWINATA, K. 1980. The effect of the juice of *Averrhoa carambola* fruits and the aqueous extract of *Persea americana* leaves on rat blood pressure. In: Abstracts of the 4th. Asian Symposium on Medicinal Plants and Spices. Bangkok (Thailand), 15-19 September 1980, Mahidol University. p. 159.

- PAGE, P.E. 1984. Tropical tree fruits for Australia. Queensland Dept. Primary Ind. p. 125-128.
- PATIÑO, V.M. 1969. Plantas cultivadas y animales domésticos en América Equinoccial. 4. Plantas introducidas. Cali, Colombia, Imprenta Departamental. 573 p.
- PELE, J. ; LE DERRE, S. 1967. Les aliments d'origine vegetales au Cameroun. Cameroun (le) Agricole, Pastoral et Forestier (Douala) No. 3: 14-34.
- PEÑA, J.E. 1986. Status of pests of minor tropical fruit crops in South Florida. Proceedings of the Florida State Horticultural Society 99: 227-230.
- PEREGRINE, W.T.H.; AHMAD, K.B. 1982. Brunei: a first annotated list of plant diseases and associated organisms. Commonwealth Mycological Institute. Phytopathological Paper No. 27: 19.
- PEREZ-ARBELAEZ, E. 1956. Plantas útiles de Colombia. 3 ed. corr. y aum. Madrid, Sucesores de Rivadeneyra. 562 p.
- PETCH, P. 1917. Additions to Ceylon fungi. Annals of the Royal Botanical Garden of Peradeniya (Ceylon) 6: 249.
- PETELOT, A. 1952. Les plantes médicinales du Cambodge, du Laos et du Vietnam. I. Renonculacées a Corpacées. Archives de Recherche Agronomique (Cambodge, Laos, Vietnam) No. 14. 408 p.
- PHOON, A.C.G. 1985. Pollination and fruit production of carambola, *Averrhoa carambola*, in Malaysia. In: Proceedings of the 3rd International Conference on Apiculture in Tropical Climates, Nairobi (Kenya), 5-9 November 1984. London, International Bee Research Association. p. 129-133.
- PIENIAZEK, S.A. 1965. A pomologist's travels in China. Part III. American Nurseryman 121(2): 13-14, 54-59.
- PIJL, L. van der. 1957. The dispersal of plants by bats (Chiropterochory). Acta Bot. Neerl. 6: 291-315.
- POH, T.W.; HUAN, P.L. 1971. Occurrence of Cercospora leaf spot of star fruit (*Averrhoa carambola* L.) in Selangor. Malaysian Agricultural Journal 48(1): 25-27.
- POILANE, E. 1965. Les arbres fruitieres d'Indochine. Journal d'Agriculture Tropicale et de Botanique Appliquée 12(9-10): 438-453.
- POPENOE, W. 1920. Manual of tropical and subtropical fruits. New York, The Macmillan Co.
- POPENOE, W. 1967. Adaptation of southeast Asian fruits, Lancetilla, Honduras and their potential in Florida. Proceedings of the Florida State Horticultural Society 80: 354-357.
- POPENOE, W. 1969. Tropical fruit varieties and collections in Florida. Proceedings of the Florida State Horticultural Society 82: 307-309.
- POPENOE, W. 1974. Manual of tropical and subtropical fruits. New York, Hafner Press. p. 429-431.
- POWELL, D. 1977. The voyage of the plant nursery, H.M.S. Providence, 1791-1793. Economic Botany 31: 387-431.
- PRAMANIK, D.K.; BOSE, T.K. 1974. Studies on the effects of growth substances on fruit set and fruit drop in some minor fruits. South Indian Horticulture 22(3-4): 117-123.



- PRANCE, G.T.; SILVA da, M.F. 1975. Arrores de Manaus. Manaus, Instituto Nacional de Pesquisas Agropecuárias. (Brasil).
- PURSEGLOVE, J.W. 1968. Tropical crops. Dicotyledons 2. Longmans. p. 638.
- RAJAGOPALAN, K. 1975. A post-harvest disease of the star fruit (*Averrhoa carambola*) caused by an *Aspergillus* sp. Malaysian Agricultural Journal 13: 42-43.
- RAMIREZ, D.A. 1959. Citology of Philippine plants. 1. *A. bilimbi* L. Philippine Agriculturist 43: 314-316.
- RAMSAMMY, P. 1989. The carambola in Guyana. Proceedings of the Interamerican Society for Tropical Horticulture 33: 12-25.
- RAMSAMMY, P.; CHRISTIAN, F. 1989. Estimated cost of production for carambola in Guyana. MINAG/IICA, Georgetown, Guyana. (Unpubl.)
- RAMSAMMY, P.; MARTE, R. 1989. The influence of time, storage conditions, gibberellic acid and water on the viability of carambola (*Averrhoa carambola*) seeds. MINAG/IICA, Georgetown, Guyana.
- RAMSAMMY, P.; MARTE, R. 1989. The rooting of carambola stem cuttings. NARI/MINAG/IICA, Georgetown, Guyana. (Unpubl.)
- RAMSAMMY, P. 1992. Agricultural diversification in Guyana - The case of pineapples. Tropical Fruits Newsletter (IICA, Trinidad and Tobago) March 1992: 6-7, 10 [Table 2, p. 7].
- RANA, O.S.; UPADHYAYA, J. 1971. A new record of anthracnose on carambola fruits (*Averrhoa carambola* L.). Science and Culture (India) 37(11): 529.
- RAO, A.N.; KHOO, L.E. 1974. Pollen germination in certain economically important plants. Malaysian Agricultural Research 3(1): 27-41.
- RAO, V.G. 1971. Market diseases of fruit and vegetables from Maharashtra. I. A new fruit rot of Kamrakh. Patrika 6(1): 26-28
- REHM, S.; ESPIG, G. 1976. Die Kulturpflanzen der Tropen und Subtropen. Stuttgart (Deutschland), Ulmer Verlag. S. 210, 221 [En alemán].
- REASONER, P.F. 1887. Annual catalogue and price list of the Royal Palm nurseries. Manatee, Florida. 100 p.
- RENDELE, A.B. 1925. The classification of flowering plants. London, Cambridge University Press. 636 p.
- RIOS-CASTAÑO, D.; SERNA VASQUEZ, J. 1972. Icambola, un nuevo cultivar de carambola, *Averrhoa carambola* L. en Colombia. Proceedings of the American Society for Horticultural Science. Tropical Region 16(20): 125-134.
- RITTER, S. 1989. Dooryard carambola survey. Proceedings of the Interamerican Society for Tropical Horticulture 33: 100-107.
- ROBERTSON, K.R. 1975. The Oxalidaceae in the southeastern United States. Journal of the Arnold Arboretum (U.S.A.) 56(2): 223-239.
- ROIG, Y.; MESA, J.T. 1962. Diccionario botánico de nombres vulgares cubanos. 3 ed. Santiago de Las Vegas, Cuba, Estación Experimental Agronómica, INRA. p. 255.

- SAFFORD, W.E. 1905. The useful plants of the island Guam, with an introductory account of the physical features and natural history of the island, of the character and history of its people, and of their agriculture. Contributions from the United States National Herbarium. Washington, Government Printing Office. Vol. IX.
- SALAKPETCH, S.; TURNER, D.W.; DELL, B. 1990. The flowering of carambola (*Averrhoa carambola* L.) is more strongly influenced by cultivar and water stress than by diurnal temperature variation and photoperiod. *Scientia Horticulturae* 43(1/2): 83-94.
- SAMSON, J.A. 1980. Tropical fruits. Longman. Tropical Agriculture Series.
- SANCHEZ, D. 1990. Keep it under an edible coat. Washington, D.C. Agric. Res. U.S. Dep. Agr. Res. Serv. *The Service* 38(3): 4-5.
- SANTOS Dos, J.B. 1978. Carambola. In: Magalhaes, A; Bordini, M. da G. (eds.). Grande manual globo de agricultura, pecuaria e receituário industrial. Porto Alegre (Brasil), Globo. p. 196-197.
- SAUER, M.R. 1981. Plant nematodes associated with fruit trees in northern Australia. *Austral. J. Exp. Agr. Animal Husb.* 21(108): 129-131.
- SAULS, J.W.; JACKSON, L.K.; CROCKER, T.E. 1979. Dooryard fruit varieties. Gainesville, Florida Coop. Ext. Serv., IFAS, Univ. of Florida. Fruit Crops Fact Sheet 23. 5 p.
- SCHELLER, L.M. 1985. Exoten-Spezialitäten-Off Season. Hamburg (Deutschland), Fruchthandels-Compagnie Hegewisch & Co. (GmbH & Co.) [En alemán].
- SCHMANDKE, H.; OLIVAREZ G., O. 1969. Über den carotin-, L-ascorbinsäure-, dehydroascorbinsäure- und tocopherolgehalt pflanzlicher Produkte Kubas [= The carotene, L-ascorbic acid, dehydroascorbic acid and tocopherol content of Cuban vegetable products]. *Nahrung (Deutschland)* 13(6): 523-530 [En alemán].
- SCHMIDT, G.A.; MARCUS, A. 1943. Handbuch der tropischen und subtropischen Landwirtschaft. Berlin, Mittler & Sohn. 2 Bde.
- SCHNELL, R.J.; KNIGHT Jr., R.J. 1989. Variation in isozyme alleles in *Averrhoa carambola* L. *Proceedings of the Interamerican Society for Tropical Horticulture* 33: 127-
- SCHOUTEN, G. 1964. Onderzoek naar de mogelijkheden voor industriële verwerking van Fransman birambi (*Averrhoa carambola* L.). *Surinaamse Landbouw* 12(4): 147-153.
- SCIOTA, H. 1984. The botanical features of starfruit. *Koryo* 143: 37-43.
- SEAL, S.N.; SEN, S.P. 1970. The photosynthetic production of oxalic acid in *Oxalis corniculata*. *Plant and Cell Physiology* 11: 119-128.
- SERIT, M.; JAAL, Z.; TAN, K.H. 1987. Parasitism of *Dacus dorsalis* (Hendel) in a village ecosystem in Tanjung Bungah, Penang, Malaysia. In: Economopoulos, A.P. (ed.) *Fruit flies: Proceedings of the 2nd International Symposium, 16-21 September 1986. Colymbari, Crete, Greece.* Elsevier Science Publ. Co. p. 441-448.

- SERIT, M.; KENG-HONG, T. 1990. Immature life table of a natural population of *Dacus dorsalis* in a village ecosystem. *Trop. Pest Management* (London) 36(39): 305-309.
- SHARMA, N.; KHAN, A.M. 1978. Fruit rot of *Averrhoa carambola* L. *Geobios* 5: 48.
- SHAW, P.E.; WILSON III, C.W. 1983. Separation of fructose, glucose and sucrose in fruit by high performance liquid chromatography using UV detection at 190 nm. *Journal of the Science of Food and Agriculture* 34(1): 109-112.
- SHKLYAROVA, M.M. 1974. The pinnate leaves of star fruit (*Averrhoa carambola* L.). *Byulleten' Glavnogo Botanicheskogo Sada (SSSR)* 91: 62-64 [En ruso].
- SIDDAPPA, G.S. 1959. Preparation of some useful preserved products from carambola (*Averrhoa carambola*). *Indian Journal of Horticulture* 16(1): 47-48.
- SIDDAPPA, G.S. 1970. Processing and preservation of some lesser-known fruits of India. In: *Proceedings of the Conference on Tropical and Subtropical Fruits*. London, 15-19th. September 1969. *Tropical Products Institute*. p. 149-154.
- SIKKHAMONDHOL, B. 1985. Comunicación personal. Letter from October 8 B.E.2528, 1985.
- SILVA, A.; SILVA, H.; NOBREGA, J.; MALAVOLTA, E. 1984. Conteúdo de nutrientes por ocasião da colheita em diversas frutas da região nordeste. *Anais do VII Congresso Brasileiro de Fruticultura*. Vol. 1: 326-340.
- SILVA, H.; SILVA, A.; CAVALCANTI, A.T.; MALAVOLTA, E. 1984. Composição Mineral das fohas de algumas fruteiras do Nordeste. *Anais do VII Congresso Brasileiro de Fruticultura*. Vol. 1: 320-325.
- SIMPSON, B.B.; OGORZALY, M.C. 1986. *Economic botany. Plants in our world*. McGraw-Hill Book Company. p. 139.
- SINGH, D. 1963. Kamrakh (*Averrhoa carambola* L.) sweet and vitamin rich. *Indian Horticulture* 7(2): 8
- SINGH, D. 1963. The khasi orange of Assam. *Indian Horticulture* 7(2): 15.
- SINGH, M.P. 1954. An improved marcot box for the aerial propagation on fruits. *Indian Journal of Horticulture* 2: 89-93.
- SINGH, P.P. 1973. The oxalic acid content of Indian foods. *Qualitas Plantarum et Materiae Vegetabiles* 22(3-4): 335-347.
- SINGH, S.; KRISNAMURTHI, S.; KATYAL, S.L. 1963. *Fruit culture in India*. New Delhi, Indian Council of Agricultural Research. 455 p.
- SIOTA, H. 1982. Starfruit. *Koryo* 143: 37-42.
- SMITH, J. 1983. Methods of home preservations of fruits. *Proceedings for the Tropical Region of the American Society for Horticultural Science* 27(A): 179-183.
- SMITH, J. *et al.* 1983. Utilization potential for semi-tropical and tropical fruits and vegetables in therapeutic and family diets. *Proceedings of the Florida State Horticultural Society* 96: 241-244.

- SNOWBALL, G.J.; WILSON, F.; CAMPBELL, T.G.; LUKINS, R.G. 1962. The utilization of parasites of oriental fruit fly (*Dacus dorsalis*) against Queensland fruit fly (*Strumeta tryoni*). Australian Journal of Agricultural Research 13: 443-460.
- SNOWBALL, G.J.; LUKINS, R.G. 1964. Status of introduced parasites of Queensland fruit fly (*Strumeta tryoni*), 1960-1962. Australian Journal of Agricultural Research 15(4): 586-608.
- SNOWBALL, G.J. 1966. Status of introduced parasites of Queensland fruit fly (*Strumeta tryoni*) 1962-1965. Australian Journal of Agricultural Research 17(5): 719-739.
- SOULE, J. 1985. Glossary for horticultural crops. John Wiley & Sons. p. 52.
- SRIVASTAVA, M.P.; TANDON, R.N. 1968. Some storage diseases of fruits. Current Science (India) 37(10): 292.
- STANDAL, B.R. 1979. Tropical foods of the Pacific region. In: Inglett, G.E.; Charalambous, G. (eds.). Tropical foods: chemistry and nutrition. New York, San Francisco & London, Academic Press. Vol. 1: 17.
- STANTON, W.R. 1966. The chemical composition of some tropical food plants. VI. Durian. Tropical Science 8: 6-10.
- STEPHENS, S.E. 1936. Some tropical fruits. 7. The five corner. Queensland Agricultural Journal (Australia) 45(3): 270-271.
- STEUDEL, E.T. 1841. Nomenclator Botanicus seu: Synonymia Plantarum Universalis. Editio Secunda Ex Novo Elaborata Et Aucta. Stuttgartiae et Tubingae. Typis et Sumptibus J.G. Cottae. Pars I. Lit. A-K: 174.
- STOLL, F. 1989. Developing a carambola processing enterprise in Guyana: a case study. Proceedings of the Interamerican Society for Tropical Horticulture 33: 108-110.
- STUART, G.A. 1911. Chinese Materia Medica, Vegetable Kingdom. Shanghai, American Presbyterian Mission Press.
- STURROCK, D. 1959. Fruits for southern Florida. Stuart, Florida, Southeastern Print. Co., Inc. p. 136-138.
- SUBRAMONIAM, V.; RAO, V.G. 1981. Three new storage diseases of fruits and vegetables from India. Science and Technology (Journal of the University of Poona, India) 54: 145-149.
- SUNDARARAJ, D.D.; BALASUBRAMANYAM, G. 1959. Guide to the economic plants of South India. A Mudha Nilayam Private Ltd.
- SUPLICY, F.N.; PETELINCAR, I.M.; MYAZAKI, I.; UNGARO, M.T.S.; FERREIRA, M.S.; GUINDANI, C.M.A. 1984. Pesquisa com o fumigante dibrometo de etileno (EDB) na proteção de frutas exportáveis e dificuldades decorrentes da suspensão de uso. O Biológico 50(7): 163-167.
- SWAMY, V.; GOWDA, A.R.; VIJAYAMMA, R. 1977. Utilization of unconventional fruits for the preparation of ready-to-drink beverages. I. Indian Food Packer 31(3): 38-46.

- SWANSON, R.W.; BARANOWSKI, R.M. 1972. Host range and infestation by the Caribbean fruit fly, *Anastrepha suspensa* (Diptera: Tephritidae), in South Florida. Proceedings of the Florida State Horticultural Society 85: 271-274.
- TAN, K.H.; LEE, S.L. 1982. Species diversity and abundance of *Dacus* (Diptera: Tephritidae) in five ecosystems of Penang, West Malaysia. Bulletin of Entomological Research 72(4): 709-716.
- TANDON, R.N.; KAKKAR, R.K. 1964. Kamrakh, a new host of *Trichothecium roseum* Link. Current Science (India) 33(7): 220-221.
- TASHEV, D.G. 1968. Investigaciones sobre los hospedantes de las especies del género *Empoasca* Walsh (Cicadellidae, Homoptera). Rev. Agr. Cuba 2(1): 24-30.
- TEIXEIRA DA FONSECA, E. 1954. Frutas do Brasil. Rio de Janeiro, Brasil, Ministério da Educação e Cultura, Inst. Nacional do Livro. p. 106-107.
- TENG, Y.T.; HOR, Y.L. 1977. Storage of tropical fruit seeds. In: Seed technology in the tropics. Serdang, Selangor, Universitii Pertanian Malaysia. p. 135-146.
- TEUBNER, C.; WOLTER, A. 1980. Kalte köstlichkeiten wie noch nie. München, Gräfe und Unzer GmbH. S. 35. (En alemán).
- THATHACHAR, T. 1942. Studies in Oxalidaceae, *Biophytum sensitivum*, *Averrhoa carambola* and *A. bilimbi*. J. Indian Bot. Soc. 21: 21-30.
- TINDALL, H.D. 1965. Fruits and vegetables in West Africa. Rome, FAO. p. 119, 148, 175, 248.
- TING, W.P.; TAI, L.H. 1971. Occurrence of *Cercospora* leaf spot of star fruit (*Averrhoa carambola* L.) in Selangor. Malaysian Agricultural Journal 48(1): 25-27.
- TIWARI, K.P.; MASOOD, M.; MINOCHA, P.K. 1979. Chemical constituents of *Gmelina philippinensis*, *Adenocalymna nitida*, *Allamanda cathartica*, *Averrhoa carambola* and *Maba buxifolia*. Journal of the Indian Chemical Society (Calcutta, India) 56(9): 944.
- UPHOF, J.C.TH. 1959. Dictionary of economic plants. Weinheim (Germany), Engelmann. 400 p.
- UPHOF, J.C. 1968. Dictionary of economic plants. 2nd ed. Würzburg (Germany), J. Cramer Verlag. p. 60.
- USHER, G. 1973. Dictionary of plants used by man. New York, Hasner Press.
- VIJAYASEGARAN, S. 1980. The occurrence of (Tephritid fruit flies) *Dacus dorsalis* Hendel and *Dacus pedestris* (Bezzi) (Diptera: Tephritidae) on *Averrhoa carambola* L. in Serdang and the status of their parasites. In: Seminar National Buah-Buahan Malaysia. Serdang, Selangor, Malaysia, 5-7 November 1980. Monograph. 31 p.
- VIJAYASEGARAN, S. 1984. The occurrence of oriental fruit fly on starfruit in Serdang and the status of its parasitoids. Journal of Plant Protection in the Tropics (Kuala Lumpur, Malaysia) 1(2): 93-98.
- VINES, H.M.; GRIERSON, W. 1966. Handling and physiological studies with the carambola. Proceedings of the Florida State Horticultural Society 79: 350-355.

- VOLCANI INSTITUTE OF AGRICULTURAL RESEARCH. 1970. Introduction work. Summaries of research work, 1967-1969. s.l., Division of Subtropical Horticulture. p. 29.
- WAGNER Jr., C.J.; BRYAN, W.L.; BERRY, R.E.; KNIGHT Jr., R.J. 1975. Carambola selection for commercial production. Proceedings of the Florida State Horticultural Society 88: 466-469.
- WALKER, A.; SILLANS, R. 1961. Les plantes utiles du Gabon. Paris, Editions Lechevalier. Encyclopédie Biologique LVI: 323.
- WAN, C.K.; LAM, P.F. Biochemical changes, use of polyethylene bags, and chilling injury of carambola (*Averrhoa carambola* L.) stored at various temperatures. Pertanika (Serdang, Malaysia) 7(3): 39-46.
- WANG, U.C. 1988. Varietal observation of carambola new lines. Chung Hua Nung Yeh Yen Chiu [J. Agric. Res. China, Taiwan] 37(2): 134-141 [En chino, con sumario en inglés].
- WANG, W.C. 1978. Superior cultivars and pruning method of carambola in Taiwan. Taiwan Agriculture Quarterly 14(2): 71-74 [En chino, con sumario en inglés].
- WATSON, B.J.; GEORGE, A.P.; NISSEN, R.J.; BROWN, B.I. 1988. Carambola: A star on the horizon. Queensland Agric. Journal 1: 45-51.
- WATT, B.K. et al. 1963. Composition of foods, raw, processed, etc. U.S. Department of Agriculture. Agriculture Handbook 8: 21, 41.
- WATT, B.K.; MERRILL, A.L. 1975. Handbook of the nutritional contents of foods. USDA 75-2616.
- New York, Dover Publications Inc. 190 p.
- WATT, G. 1889-99. A dictionary of the economic products of India. Vol. I: 359.
- WATT, G. 1908. The commercial products of India. London, John Murray. p. 97.
- WEHMER, C. 1929-31. Die Pflanzenstoffe. Vol. I: 592. [En alemán].
- WELLES, C.G. 1921. *Cercospora* leaf spot of *Averrhoa carambola* L. Philippine Journal of Science 19(6): 747-750.
- WELLES, C.G. 1925. Taxonomic studies on the genus *Cercospora* in the Philippine Islands. American Journal of Botany 12: 195-218.
- WEN, H.C. 1988. Seasonal occurrence and chemical control of the citrus red mite (*Panonychus citri* McGregor) on carambola. Chung Hua Nung Yeh Yen Chiu [J. Agric. Res. China, Taiwan] 37(1): 100-104 [En chino, con sumario en inglés].
- WEN POH, T.; LUANG HUAN, T. 1971. Occurrence of *Cercospora* leaf spot of star fruit (*Averrhoa carambola* L.) in Selangor. Malaysian Agricultural Journal 48(1): 25-27.
- WENKAM, N.S.; MILLER, C.D. 1965. Composition of Hawaii fruits. Hawaii Agricultural Experiment Station. Bulletin No. 135. 87 p.
- WESTER, P.J. 1916. Plant propagation in the tropics. Bureau of Agriculture, Manila, The Philippines. Bulletin No. 32.
- WESTER, P.J. 1920. Plant propagation and fruit culture in the tropics. Philippine Department of Agriculture. Bulletin No. 32.

- WHITMAN, F.; BIEBEL, J.P. 1963. Rare Fruit Council activities 1962-1963. Proceedings of the Florida State Horticultural Society 76: 348-353.
- WIESNER von, J. 1918. Die Rohstoffe des Pflanzenreiches. Dritte, Umgearbeitete und erweiterte Auflage. Leipzig (Deutschland), Verlag von Wilhelm Engelmann. 2. Band: 408 [En alemán].
- WILCOX, E.V. 1926. Tropical agriculture. D. Appleton & Company, New York. p. 136-137.
- WILLIAMS, C.N.; CHEW, W.Y. 1980. Tree and field crops of the wetter regions of the tropics. Longman. p. 121.
- WILLS, R.B.H.; LIM, J.S.K.; GREENFIELD, H. 1986. Composition of Australian foods. 31. Tropical and subtropical fruit. Food Technology in Australia 38(3): 118-123.
- WILSON, C.W.; SHAW, P.E.; KNIGHT Jr., R.J. 1982. Analysis of oxalic acid in carambola (*Averrhoa carambola* L.) and spinach by high-performance liquid chromatography. Journal of Agricultural and Food Chemistry 30(6): 1106-1108.
- WILSON, C.W.; SHAW, P.E.; KNIGHT, R.J.; NAGY, S.; KLIM, M. 1985. Volatile constituents of carambola (*Averrhoa carambola* L.). Journal of Agricultural and Food Chemistry 33(2): 199-201.
- WILSON, C.W. 1990 *Carambola* and *bilimbi*. In: Nagy, S.; Shaw, P.E.; Wardowski, W.F. (eds.). Fruits of tropical and subtropical origin. Lake Alfred, Florida Science Source, Inc. p. 276-301.
- WILLIAMS, M. 1966. Three new crops released. Florida Sunshine State Agricultural Research Report 11(1): 4.
- WILLIAMS, R.O.; WILLIAMS Jr., R.O. 1941. The useful and ornamental plants in Trinidad and Tobago. 3 ed. A.L. Rhodes, Government Printer. p. 67.
- WILSON III, C.W.; SHAW, P.E.; KNIGHT Jr., R.J. 1982. Analysis of oxalic acid in carambola (*Averrhoa carambola* L.) and spinach by high-performance liquid chromatography. Journal of Agriculture and Food Chemistry (Washington, D.C.) 30(6): 1106-1108.
- WILSON III, C.W.; SHAW, P.E.; KNIGHT Jr., R.J.; NAGY, S.; KLIM, M. 1985. Volatile constituents of carambola (*Averrhoa carambola* L.). Journal of Agriculture and Food Chemistry (Washington, D.C.) 33(2): 199-201.
- WINKLER, H. 1912. Botanische Hilfsbuch für Pflanze, Kolonialbeamte, Tropenkaufleute und Forschungsreisende. Wismar (Deutschland), Hinstorffsche Verlagsbuchhandlung. S. 35 [En alemán].
- WINTON, A.L.; WINTON, K.B. 1949. Structure and composition of foods. 2. Vegetables, legumes and fruits. New York, Wiley. p. 207, 215, 678-681.
- WITHMORE, T.C. 1975. Tropical rain forest of the far east. Oxford, Clarendon Press. p. 37, 218.
- WONG, M. 1970. Contribution a l'histoire de la matiere medicale vegetale chinoise (Suite). Journal d'Agriculture Tropicale et de Botanique Appliquée 17(10-11): 368-401.
- WU LEUNG, W.T. s.f. Tabla de composición de alimentos para uso en América Latina. Guatemala, Instituto de Nutrición de Centroamérica y Panamá (INCAP).

- WUHRMANN, J.J.; PATRON, A. 1965. Evaluation de quelques fruits tropicaux peu connus (An appraisal of some little known tropical fruits). *Fruits d'Outre Mer* 20(11): 615-624.
- WUTSCHER, H.K.; SHULL, A.V. 1974. Subtropical fruits in South Texas. *Proceedings of the Florida State Horticultural Society* 87: 394-400.
- YLAGAN, M.M. 1961. Ascorbic acid contents of some Philippine fruits. *Philippine Agriculturist* 44: 477-478.
- YONG, H.S. 1983. Belimbing: fruits with ridges. *Malaysian Panorama (Malaysia)* 12(2): 16-19.
- YOUNG, T.W. 1964. Host-parasite relationship between burrowing nematode *Radopholus similis* (Cobb) Thorne, and certain tropical and subtropical fruit plants. *Florida Agricultural Experiment Station. Annual Review.* p. 360-361.
- YOUNG, T.W. 1973. A researcher's view of the potential for tropical fruits on sandy and organic soils of Florida. *Proceedings of the Florida State Horticultural Society* 86: 358-359.
- YU, R.C.; WANG, W.C. 1987. Components and utilizations of carambola. *Chung Hua Nung Yeh Yen Chiu [J. Agric. Res. China, Taiwan]* 36(2): 196-206 [En chino, con sumario en inglés].
- YU, T.T. 1962. Répartition géographique des ressources fruitières chinoises. *Acta Horticulturae* 1(1): 2-14.
- ZEVEN, A.C.; ZHUKOVSKY. 1975. Dictionary of cultivated plants and their centres of diversity. Centre for Agricultural Publishing and Documentacion (Pudoc), Wageningen, The Netherlands. p. 44.