

SOME OF THE PUBLICATIONS RELATED TO SOLAR COOKERS/ COOKING
PUBLISHED IN JOURNALS AND CONFERENCE PROCEEDINGS. (1979- ...)

SHYAM SUNDER NANDWANI, Retired Professor

**TECHNICAL RESEARCH PAPERS ON SOLAR COOKING. IN
JOURNALS/CONFERENCE PROCEEDINGS.**

1. Sunny Visions...Getting a charge from Old Sun The Tico Times, Costa Rica May 4, 1979 p.21. Costa Rican English Newspaper.
.
2. Will Canada miss a bright opportunity The Globe and Mail London, Ontario, Canada, Aug.18, 1980
3. Study of a cheap solar oven in the climate of San Jose, Costa Rica. Presented at '1980 International Symposium on the solar Energy Utilization' held at University of Western Ontario, London, Canada. Aug.10-24, 1980. Published in Solar Energy Conversion II', Pergamon Press,1980, pp 488. (Only Abstract.
4. Estudio Experimental y Teorico de un Horno Solar practico en el clima de Costa Rica-II. UNICIENCIA, Universidad Nacional, Heredia, Costa Rica, Vol.3, No.1 and 2, pp.49-58. 1986.
5. Universidad Nacional patentiza un invento solar La Republica, Costa Rica, April 26, 1985. Shyam S. Nandwani
6. Design, Construction and Experimental study of Electric Cum Solar Oven. Presented at International Solar World Congress 1987, Hamburg, Germany, Sept.13-18, 1987. Published in Advances in Solar Energy Technology, Ed. by W.H. Bloss and F. Pfisterer, Pergamon Press, Vol.3, pp. 2698- 2702, 1988.
7. Experimental and Theoretical analysis of simple solar oven in the climate of Costa Rica- I.'Solar and Wind Technology', Pergamon Press, Vol.5, No.2, pp.159-170, 1988.
8. Design, Construction and Experimental Study of Electric Cum Solar Oven-II, Solar and Wind Technology, Vol.6 (2), pp.149-158, Pergamon Press, 1989.
9. Solar Oven-Can it be mass Popular, S.S.Nandwani and Rafael Ramirez, Presented in Conference on Applied Optics in Solar

Energy- Prague, Czechoslovakia, Oct. 2-6, 1989. Published in the AOSE proceeding, 1990, pp. 101-109.

10. Cheap Solar Oven with Heat Storage, Preliminary study for Costa Rica's climate. 'The Heliograph', Sweden, No, 2, pp. 4-13, 1990.
11. Hot Box Cookers and Ovens, in 'The Heliograph', Sweden, No, 2, pp. 27-36, 1990.
12. My Eleven Year Experience with Simple Solar, Solar Eléctric and Heat Storage Cookers. Shyam S. Nandwani, Presented at 1991 International Solar Energy Society Congress, held at Denver, USA, during Aug. 18-23, 1991. Published in Proceedings of the Biennial Congress of the ISES, Vol.3, Part II, pp.3645-3650, Pergamon Press.
- 13.Twelve years experience with solar cookers- necessary tools for clean environment, Proceedings of the First World Conference on Solar Cooking, Stockton, USA, (June 19-20, 1992). The University of the Pacific, Stockton CA and Solar Box Cookers International, Sacramento, pp.4-11, 1992.
- 14.Design Construction and Experimental Study of a Domestic Solar Oven cum Drier in the climate of Costa Rica, with Otoniel Fernandez Presented at 1993 Solar World Congress, held Budapest, Hungary, during August 23- 27, 1993. Published in the Proceedings, Vol. 8, pp. 91- 96.

BOOK: La Cocina / Horno Solar Hagala Usted Misno, Shyam S., Nandwani, Editorial, Fundacion Universidad Nacional, 1993,pp. 1-98, ISBN 9977-906-39-4.

15. Experimental Study of Solar Oven Cum Water Heater and Solar Oven cum Drier, Shyam S. Nandwani and Otoniel Fernandez, presented at Second World Conference on Solar Cookers- Use and Technology, held at Costa Rica, from July,12-15,1994. Published in the proceedings, April 1995, pp. 273- 284.
16. Comparative Study of Conventional and SBCI Card board Solar Ovens, with Otoniel Fernandez Gomez, Renewable Energy Journal (Pergamon Press), Vol. 3, No. 6/7, pp. 607- 620, 1994. USA.
17. Aspectos General de la Cocción- Estudio Preliminar I, Shyam S. Nandwani and Luidmilla Seminova, presented at Second World Conference on Solar Cookers-Use and Technology,

held at Costa Rica, from July, 12-15, 1994. Published in the proceedings, April 1995, pp. 58- 70.

18. From Cheap/Simple Three stones to Expensive/Advanced Convective Cookers, Shyam S. Nandwani, presented at Second World Conference on Solar Cookers- Use and Technology, held at Costa Rica, from July, 12-15, 1994. Published in the proceedings, April 1995, pp. 17- 26.

19. Preliminary Study of Solar Powered Microwave Oven, Ced Currin, Shyam S. Nandwani and Marvin Alpizar, presented at Second World Conference on Solar Cookers- Use & Technology, held at Costa Rica, from July, 12-15, 1994. Published in the proceedings, April 1995, pp. 149- 158.

CONFERENCE PROCEEDINGS: World Conference on Solar Cookers- Use and Technology, held at Costa Rica, July, 12-15, 1994. In Collaboration with Solar Cookers International, Sacramento, USA. Edited. Shyam S Nandwani, E. Pejack, Bev Blum,

20. Solar Cookers-Cheap technology with high ecological benefits, presented at 3rd International Conference on 'Down to Earth - Practical Applications of Ecological Economics', held at Costa Rica, October 24- 28, 1994. Published abstract (and also in Ecological Economics, 17, pp. 73-81, 1996).

21. Solar Cookers-Cheap technology with high ecological benefits, Ecological Economics, Holland, Vol. 17, pp. 73-81, 1996.

22. Experimental Study of Multipurpose Solar Hot Box at Freiburg, Germany, with Josef Steinfart, H.M.Henning, M. Rommel and V. Wittwer, Renewable Energy, Int. Journal, England, (Pergamon Press), Vol. 12, September 1997, pp. 1-20.

23. Solar Cookers- An Overview, Presented at Third International Conference on Solar Cookers` , held at Coimbatore, India, during January, 6- 10, 1997. Published in the Proceedings, 1998, pp. 64-72.

24. Comparative Study of Hot Box Type Solar Ovens, Shyam S. Nandwani y Otoniel Fernandez, Presented at Third International Conference on Solar Cookers` , held at Coimbatore, India, during January, 6-10, 1997. In Proceedings, 1998, pp. 143 - 152.

25. Use of Solar Radiation for day lighting, water heating, cooking and night illumination in author's energy conscious house, Presented at International Conference LUX PACIFICA 97, held at Nagoya (Japan) during Oct. 13-16, 1997, and

published in the Proceedings, 1997, pages. F89- F94.

26. My 20 years of experience with Solar Cooking in Costa Rica-Satisfactions and Frustrations. Presented at World Solar Cooking and Food Processing- Strategies and Financing, held at Varese, Italy, 3-6, Oct.1999. Published in the proceedings, pp. 73- 79, 2000.
27. Autor of the chapter 3 "Soluciones Técnicas" of the book "Las Cocinas Solares en Iberoamerica", Edited by Alfredo Esteves and Roberto Roman, Red Iberoamericana de Cocción Solar de alimentos (RICSA/CYTED), Argentina, 2001. ISBN-987-2010, 5-3-6, En CD Rom.
28. Teaching concepts of Physics, I- Applied to Solar Cookers, presented at VII International Symposium on Renewable Energy Education, Oslo, Norway, held during June 15-18, 2000. Paper published in the CD Rom, 2001.
29. Estudio Experimental del rendimiento Absoluto del un horno solar en el clima del Costa Rica, Shyam S. Nandwani y Rafael Ramirez, presented at Ier Congreso Iberoamericano de Energías Renovable y 3er Congreso Latinoamericano de Cocinas Solares, realized at La Ceiba, Honduras, during March 26- 28, 2001. Paper published in the proceedings (CD Rom), T31, p. 11.
30. Food Cooking with Sun Energy- Free, Abundant and Clean Fuel, Shyam S. Nandwani, Paper presented at "Workshop ALCUE on Sustainable Development in a Global Environment: Agriculture and Food Industry as possible ways", held at Rio de Janeiro, Brasil, during November 7-10, 2001. To be published in the proceedings.
31. Estudio Experimental de dos Hornos Solares- Convencional y Portatil - con diferentes materiales, en el clima de Costa Rica. Shyam S. Nandwani y Rafael Ramirez, Presented at XI Congreso Iberico e VI Congresso Ibero- Americano de Energía Solar, held at Vilamoura (Algarve), Portugal, during Sept. 29-Oct.2, 2002. Published in the proceedings (CD Rom), No.47, pp.1- 11.
33. Diseño, Construcción y Funcionamiento de un Horno Solar Híbrido CPC, Marco A. Flores, Arlen Emilia Flores (Honduras) y Shyam S. Nandwani, Presented at XI Congreso Iberico e VI Congresso Ibero- Americano de Energía Solar, held at Vilamoura (Algarve), Portugal, during Sept.29- Oct.

2, 2002. Published in the proceedings, (CD Rom), No. 128, pp. 1-5.

34. Aplicación del Protocolo "RICSA", para la Evaluación de Hornos Solares en Distintos Países, Alfredo Esteves, Shyam S. Nandwani & Rafael Ramírez, Susana Fonseca, Adolfo Finck y Enrique Snchez, Maria Emilia de Castell & Elvio Enciso, Manuel Collares- Pereira, Joao Mil Homens, Patricia Santosy Joao Correia de Oliveira, Presented at XI Congreso Iberico e VI Congresso Ibero- Americano de Energía Solar, held at Vilamoura (Algarve), Portugal, Sept.29- Oct. 2, 2002. Published in the proceedings, (CD Rom), No.196, pp. 1-10,
 35. Construcción del Un Horno Solar a nivel Familiar, Shyam S. Nandwani, Presented at V Jornada Iberoamericanas en Energías Renovables: Cocción Solar de Alimentos, Guatemala, June 9-13, 2003. Published in the CD Rom.
 36. Design and Study of Hybrid Solar Cooker, Pasteurizer, Still and dryer in the climate of Costa Rica, Shyam S. Nandwani, Paper presented at ISES Solar World Congress 2003, Goteborg, Sweden, during June 14-19, 2003. Published in the proceedings, ISBN 91-631-4740-8.
 37. Solar Cookers- What we are looking For, Shyam S. Nandwani, Paper presented at ISES Solar World Congress 2003, Goteborg, Sweden, during June 14-19, 2003. Published in the proceedings ISBN 91-631-4740-8.
 38. Dinning out on Solar Cookers, Shyam S. Nandwani, Invited chapter, Renewable Energy, 2004, pp. 101- 104. ISBN-19 03605 458. by World Renewable Energy Network (WREN), UK.
- BOOK: Cocina Horno Solar, Dr. Shyam S. Nandwani, Editorial Fundacion Universidad Nacional, Heredia, Costa Rica, 2004, pp. 1-126. ISBN-9977-906-39-4.**
39. Design and Study of Hybrid Solar Cooker, Pasteurizer, Still and Dryer in the climate of Costa Rica, Shyam S. Nandwani, ISESCO Science and Technology Vision, Oficial journal of ISESCO(Islamic Educational Scientific and cultural Organisation), Rabat, Kingdom of Morocco, Vol. 1, No. 1, pp. 6- 9, May 2005. ISSN: 1114 8829.
 40. My 25 years of Experience with Solar Cooking- Satisfaction and Frustrations, Shyam S. Nandwani. Presented at ISES 2005

World Conference on Solar Energy, Orlando (Fl), USA, Aug. 7-12, 2005. Published in the proceedings, 2005, Pergamon Press, Pp. 6, in CD Rom, ISBN- 0-89553- 177-1

41. Diseños y Construcción del Cocinas/ Hornos Solares, presented at Jornada de la Investigación- 2006, Universidad Nacional, Costa Rica, May 26, 2006. To be published in the Proceedings.
42. Varieties of Solar Cooker Devices and Uses, Shyam S. Nandwani, presented at Solar Cookers and Food processing - an International Conference, Granada, Spain, 11-16, July, 2006. Published in the CD Rom.
43. Design, construction and study of a hybrid solar food processor in the climate of Costa Rica, Renewable Energy- An International Journal (Elsevier Ltd). 2006. On line version June 119, 2006. Printed version, Vol. 32, No. 3, March 2007, p. 427-441.
44. Experiencia personal de 25 años con la transferencia tecnológicas de Cocinas y Secadores Solares en Costa Rica, Shyam S. Nandwani, article presented at II Conferencia Regional Latinoamericana de la International Solar Energy Society, realized at, Buenos Aires, Argentina, during 23-27, Oct. 2006. Published in Avances en Energia Renovable y Medio Ambiente, Argentina (ISSN 0329-5184), Vol. 10, pp. 12-25 to 12-30, 2006.
45. Estudio de una Estufa Solar Portatil y Hibrida- I, Shyam S. Nandwani, HIDRORED (Peru), ISSN No. 0935-0578, Vol. II, Ano 2006, 29- 35.
46. Estudio de un Procesador Hibrido (Solar- Eléctrico) de Alimentos con Énfasis en el Secado Solar, Shyam S. Nandwani y C. Chaverri, Avances en Energía Renovable y Medio Ambiente (AVERMA), Argentina. (ISSN 0329- 5184). Revista de la Asociación Argentina de Energias Renovables y Ambiente. Vol. 11, 09.07- 09.14, 2007.
47. Hybrid Solar Cookers an its applications for cooking and Processing: Personal Experience. Presented at Asia Regional Workshop on Solar Cooking and Food processing, held at Kathmandu, Nepal, during April 16-17, 2007.
48. Diseno e Estudio del un Procesador de Alimentos- Hibrido

Solar- Electrico con Enfasis en Secado Solar, Shyam S. Nandwani, Presented at seminario Iberoamericano „Energia Solar, Medio Ambiente y Desarrollo; una Mirada de la Investigacion en Iberoamerica, held at Santiago, Chile, June 4-5, 2007. To be published in the CD ROM.

49. Usos de las Ciencias Exactas en las Aplicaciones de Energia Solar en particular Cocina/ Horno Solar. Shyam S. Nandwani, Presented at IX Congreso Nacioonal de Ciencias y Estudios Sociales, Orgnizado por CIENTEC, at ITCR, Cartago, Costa Rica, del 24 al 25 de Agosto del 2007. Published in the CD ROM www.cientec.or.cr/exploraciones/ponencias2007/ShyamNandwani.pdf
50. Thirty years of Experience with Solar Cookers and Cooking-to reduce global warming, Shyam S. Nandwani, Invited article presented at World Renewable Energy Congress X, held at Glasgow, Scotland, UK, during 19-25 July 2008. Published in the Proceedings (Elsevier and WREN) ISBN 978 008 056 8973.
51. Design, construction and study of hybrid and dual voltage Solar cooker in the climate of Costa Rica, Shyam S. Nandwani, Renewable Energy 2008, Sovereign Publications, London, UK, (ISBN 978-1 906 436 24 7), pp. 103-105.
52. Solar Food Processing- Authors Experience with Cooking and Drying in Costa Rica, Shyam S. Nandwani, presented at International Solar Food Conference, 2009, held at Barli Development Institute for Rural Women, Indore, India, during Jan. 14-16, 2009. Published in the CD Rom.
53. Cocción Solar de los Alimentos, Shyam S. Nandwani, Presented at Seminario/ Taller - Las Aplicaciones Practicas de la Energía Solar, Universidad Nacional, Costa Rica, July 21 - 24, 2009.
54. Energia Solar: Productividad y Energías Renovables (Cocinas Hibrido Solar- eléctrico, para multiples usos, Shyam S. Nandwani, UNA Expo 2010, Transferencias para el Desarrollo, Hotel, Marriot, Costa Rica, 27 de Abril del 2010.
55. Usos del Cocina Solar para Calentar Almuerzos en Instituciones Educativas, Shyam S. Nandwani, August 27, 2010, presented at XII Congreso Nacional de Ciencias, Tecnologia y Sociedad, Aug. 26-28, 2010, CIENTEC, Alajuela, Costa Rica.
56. Solar Food Warming for the Educational Centers to save Conventional Energy and Reduce Global Warming. Shyam S. Nandwani, To be published in ISESCO Science and

Technology Vision, Official journal of ISESCO (Islamic Educational Scientific and cultural Organisation), Rabat, Kingdom of Morocco, May 2011. ISSN: 1114 8829.

57. Solar Cookers and Dryers to conserve Human and Planet Health, Shyam S. Nandwani, en drying Systems, Shyam S. Nandwani, Invited article, Published in Encyclopedia of Sustainability Science and Technology, Robert A. Meyers (Ed.) Springer Verlag, pp. 9486-9509, 2012, USA.
58. Cocinas/ Hornos Solares para comida Nutritiva, Salud humana y para el Planeta, Shyam S. Nandwani, Accepted for presentation at Primer Congreso de Seguridad Alimenaria y Nutricional-Construyendo un Abordaje Integral, to be held at Universidad de Costa Rica, Oct. 16- 18, 2012.
59. Solar Cookers and Dryers to Conserve Human and Planet Health. NEW VERSION OF 2012, Shyam S. Nandwani (2021) In: Meyers R.A. (eds) Encyclopedia of Sustainability Science and Technology. Springer, New York, NY.
60. Solar Food Warmers for Educational Centres in Costa Rica, Invited talk presented at World Conference on Solar Cooking, organized by Solar Cookers International, Sacramento, CA, USA, July 17-19, **2014**. Published in (e mail yahoo, 20/9) <https://youtube.com/watch?v=Bw6mGqw-tEV>
61. Design, Construction and Study of a Single axis Solar Tracker. talk presented at World Renewable Energy Congress, held at London, **England**, during Aug.3-8, **2014**. To be published in CD.
62. Thirty five years of experience with Research, promotion and use of Solar Cookers to save conventional fuels and reduce Carbon Emission. Invited talk presented at World Renewable Energy Congress, held at London, **England**, during Aug.3-8, **2014**. Published in the book Renewable Energy in the Service of Makind, Vol.II, 2016 (Ed. A.A.M: Sayigh), Springer, Switzerland, Chapter 81, pp. 851-858.
63. Talk promotional activities of solar cooking in costa rica and other latin american countries, its necessary but with proper actions, Baroda, India, Jan. 16-18, 2017, published in [http://vignette1.wikia.nocookie.net/solarcooking/images/a/ab/Pro_motional_Activities_of_Solar_Cooking_in_Costa_Rica_and_Other_\(www.solarcooking.org\)](http://vignette1.wikia.nocookie.net/solarcooking/images/a/ab/Pro_motional_Activities_of_Solar_Cooking_in_Costa_Rica_and_Other_(www.solarcooking.org))

64. Thirty eight years of experience with solar cooking, also to reduce Global Warming, presented at 2nd International Conference on Advances in Energy and Environment Research (ICAEER 2017), held at Guangzhou, PR of China, Aug. 11-13, 2017. To be published in website.
65. Uso de la Energia Solar para Calentar Almuerzos en Centros Educativos, presentado en el XX Congreso Nacional de Ciencia, Tecnologia y Sociedad, 30, 31 de Agosto y 1 de Set. Del 2018. Liceo del Costa Rica (publicado solo Resumen).
66. Charla Cocinas Solares, Organiza ACESOLAR y Fundacion Omar Dengo, SJ, Costa Rica, 24 de mayo del 2019
<https://youtube/mnHTpVRLQOQ>
- 67 Solar Ovens- for Cooking food and cooling the earth, Shyam S. Nandwani Appropriate Technology. England, 2, 48-49 June (2021)
68. Solar Cookers and Dryers to Conserve Human and Planet Health. NEW VERSION OF 2012, Shyam S. Nandwani (2021) In: Meyers R.A. (eds) Encyclopedia of Sustainability Science and Technology. Springer, New York, NY, In Press.
-

CokPubSelfCooking281221.doc