

Appendix-I

List of Research papers published by Prof. H.P. Garg in Scientific International/National Journals

1. C.L.Gupta and H.P. Garg, '*Performance studies on solar air heaters*' Solar Energy, 11(1),25-31, 1967.
2. H.P. Garg and C.L.Gupta, '*Design of flat-plate solar collectors for India*', J. of Inst. of Engrs. India, 47(9), 382-394, Pt. M.5, 1967.
3. C.L.Gupta and H.P.Garg, '*System design in solar water heaters with natural circulation*', Solar Energy, 12(2), 163- 182, 1967.
4. H.P.Garg and C.L.Gupta, '*Optimising the tilt of flat plate solar collectors for India*', J. of Inst. of Engr. (India) 48(I), 21-28, Pt. CEL, 1967.
5. H.P. Garg, R.Ganguli and C.L.Gupta, '*Computation of average hourly solar radiation intensity from sunshine hours data*' *Indian Chemical Manufacture*, 6(5-6), 83-88, 1968.
6. C.L.Gupta, H.P.Garg and R.Ganguli, '*Solar cum electric water heater*', Indian and Eastern Engineer, 113(1), 21-24, 1969.
7. H.P.Garg and C.L.Gupta, 'Design data for direct solar utilization devices, Part II - Solar radiation data', Indian J. of Mat. and Geop., 20(8), 221-226, 1969.
8. H.P.Garg and C.L.Gupta, '*Design data for direct solar utilization devices. Part I-System Data*', J. of Inst. of Engrs. (India) 48(9), 461-470, Opt. CR 3, 1968.
9. H.P.Garg '*An automatic control circuit for large size solar water heater*', Research and Industry 14(3), 126-127, 1969.
10. H.P.Garg and R.Ganguli, '*Solar water heater*', J. of Inst. of Engrs. India, 50, 69-71, 1970.
11. H.P. Garg, '*Measurement of solar absorptivity of black paints*' J. of Inst. of Engrs. (India). CH Journal, P. 1-5, October, 1970.
12. H.P.Garg, R.Ganguli and J.S. Puri, '*Forced convection solar hot water system*', Res. and Indus. 16(1), 31-34, 1971.
13. H.P. Garg, K.R.Rao, J.S.Puri and R.Ganguli, '*Optimisation of flow in large solar absorber banks*' Civil Engineering Construction and Public Works J., 1-4, May-June, 1974.
14. H.P.Garg, '*Design and performance of large size solar water heater*', Solar Energy., 14(3), 303-312, 1973.
15. H.P.Garg, R.Ganguli, J.S. Puri and R.S. Pal, '*Solar room heater*', Res. and Indus., 17(4), 129-133, 1972.

16. H.P.Garg, K.R.Rao and R.S.Pal, '*Measurement of Global solar radiation on inclined surface of any orientation under overcast sky conditions*', Indian J. of Met. and Geop., 25(2), 295-300, 1974.
17. H.P.Garg, '*Effect of dirt on transparent cover in flat plate solar heat collectors*', Solar Energy, 15(4), 299-302, 1974.
18. H.P.Garg, R.Ganguli, J.S.Puri and R.S.Pal, '*Design and performance prediction of low cost solar water heater*', Res. and Indus., 17(4), 125-129, 1972.
19. H.P.Garg, R.Ganguli, J.S. Puri, '*Design and Performance studies on solar room heater*', Solar Energy, 19(2), 155-162, 1977.
20. H.P.Garg and A. Krishnan, '*Development of a low cost built- in type solar water heater at Jodhpur*', Indian and Eastern Engr., 115(7), 339-341, 1973.
21. A. Krishnan and H.P.Garg, '*Wind power for pumping water*', Indian and Eastern Engineer, 117(3), 105-109, 1975.
22. H.P.Garg and A. Krishnan, '*Solar drying of agricultural products Part I, Drying of chillies in a solar cabinet dryer*', Annals of Arid Zone, 13(4), 285-292, 1974.
23. H.P.Garg, '*Building indigenous storage type solar water heater*', Indian and Eastern Engineer, 116(5), 209-212, 1974.
24. H.P.Garg, '*Year round performance studies on a built in storage type solar water heater at Jodhpur*', Solar Energy, 17(3), 167-172, 1975.
25. H.P.Garg and H.S. Mann, '*Effect of climatic, operational and design parameters on the year round performance of single slope and double slope solar still under Indian and zone conditions*', Solar Energy, 18(2), 159-164, 1976.
26. H.P.Garg, '*Design studies on conventional double sloped solar stills*', Indian and Eastern Engineer, 117(8), 357-359, 1975.
27. H.P.Garg, '*A novel step reflector for solar energy concentration*' Invention Intelligence, 12(1), 31-33, 1970.
28. H.P.Garg, '*A solar oven for cooking*', Indian Farming, 27(5), 7-9, 1976.
29. H.P.Garg and K.P. Thanvi, '*Design and Performance Studies on Simple Hot box type solar cooker*', Research and Industry, 21(3), 186-188, 1976.
30. H.P.Garg, '*An improved low cost water heater*', Research and Industry, 21(3), 186-188, 1976.
31. H.P.Garg and K.P. Thanvi, '*Studies on solar steam cooker*', Indian Farming, 27(1), 29-30, 1977.
32. H.P.Garg, P.C.Pande and K.P.Thanvi, '*Solar water heater-cum- steam cooker*', The Indian and Eastern Engineer, 120(8), 315- 317, 1978.

33. H.P.Garg, and H.S.Mann, '*Comments on the performance of solar stills*' Solar Energy, 20(4), 363, 1978.
34. H.P.Garg and P.C.Pande '*Designing a suitable Biogas plant for India*', Appropriate Technology 7(1), 29-31, 1980.
35. A.Malhotra, H.P.Garg and Usha Rani, '*Minimizing convection heat losses in flat-plate solar collectors*', Solar Energy, 26(6), 521-525, 1980.
36. H.P.Garg and Usha Rani, '*Loss coefficients from solar flat plate collectors*', Applied Energy, 7(1-3), 109-117, 1980.
37. N.M. Nahar and H.P. Garg, '*Selective Coatings on Solar Collectors*', Renewable Energy Review Journal (Bangkok), 2(1), 1981.
38. H.P.Garg and Usha Rani, '*Colorimetric determination of bond- conductance in pipe and fin type of flat-plate solar collectors*', Applied Energy, 9(1), 77-82, 1981.
39. N.M. Nahar and H.P.Garg, '*Free Convection and Shading due to gap spacing between absorber plate and cover glazing in Solar energy flat-plate collectors*', Applied Energy, 7(1-3), 129-145, 1980.
40. N.M.Nahar and H.P.Garg '*Indoor test set up for the measurement of overall heat loss coefficient of flat-plate collectors*', Indian Journal of Technology 17(11), 444-446, 1979.
41. H.P.Garg, J.K. Sharma and Aman Dang, '*Optical geometries of plane mirror solar collectors*,' Energy Research, 6, 11-20, 1982.
42. J.K.Sharma, Aman Dang, H.P.Garg and S.S.Mathur, '*Solar Flux distributions from circular cylindrical concentrators*' Solar Energy, 30(6), 507-512, 1983.
43. J.K.Sharma,. Aman Dang and H.P.Garg, '*Enhancement of the concentration using simple multiplane mirror*', Applied Energy, 10(3), 233-242, 1982.
44. H.P.Garg, Usha Rani and Ram Chandra, '*Transient analysis of solar air heaters using a finite difference technique*' Energy Research, Vol. 5, 243-252, 1981.
45. H.P.Garg, A.Malhotra, Usha Rani and Ram Chandra, '*Computer simulation of solar radiation*' International Journal of Energy Research, 5(3), 297-252, 1981.
46. H.P.Garg and Usha Rani, '*Theoretical and experimental studies on collector/storage type solar water heater*' Solar Energy, 29(6), 467-478, 1982.
47. H.P.Garg and Usha Rani and Ram Chandra, '*Optimization of fin and tube parameters in a flat plate collector*', Energy, 6(1), 83-92, 1981.
48. H.P.Garg and Usha Rani, '*Studies on a compact water heater*', Sun World, 5(1), 17-18, 1981.
49. H.P.Garg, B.Bandyopadhyay and V.K. Sharma, '*Studies on single and double glazed matrix type solar air heaters for crop drying*', Journal of Institution of Engineers (India), Vol. 62, Pt. ND1, 25-28, Nov. 1981.

50. H.P.Garg, B. Bandyopadhyay and V.K. Sharma, 'Investigation on a rock bed collector cum storage system', *Energy Conversion and Management*, 21(4), 275-282, 1981.
51. H.P.Garg, V.K.Sharma, B.Bandyopadhyay and A.K. Bhargava, '*Transient analysis of a solar air heater of second kind*', *Energy Conversion and Management*, 22(1), 47-53, 1982.
52. A.K.Bhargava, H.P.Garg and V.K.Sharma, '*Theoretical Analysis of Some configurations of Double Exposure Solar air Heaters*' *Energy*, 7(4), 377-388, 1982.
53. A.K.Bhargava, H.P. Garg and V.K. Sharma, '*Solar Air Heaters: Steady-state and periodic analysis*', *Applied Energy*, 19(2), 183-185, 1985.
54. A.K.Bhargava, H.P.Garg and V.K. Sharma, '*Evaluation of the air heaters of conventional design*', *Solar Energy*, 29(6), 523-533, 1982.
55. A.K.Bhargava, H.P.Garg and V.K.Sharma, '*An air heater in non conventional mode of operation*', *Energy Research*, 7(1), 93- 97, 1983.
56. H.P.Garg and M.Nasim, '*Studies on low temperature salt hydrate for thermal storage applications*', *Energy Conversion and Management*, 21(3), 125-130, 1981.
57. H.P.Garg and Sat Narain Garg, '*Model Evaluation and optimum collector slope for a tropical country*' *Energy Conversion and Management*, 21(4), 299-312, 1981.
58. H.P. Garg and Sat Narain Garg, '*Model Evaluation of Solar Radiation on an inclined plane*', *Mausam*, 33(2), 153-158, 1982.
59. S.S.Mathur, H.P.Garg, Aman Dang and J.K.Sharma, '*Design and development of a solar conical concentrator*', *Energy Research*, 6, 73-81, 1982.
60. Aman Dang,J.K.Sharma and H.P.Garg, '*Effect of multiple reflections on the performance, capacity of plane booster mirrors*', *Applied Energy*, 11, 331, 1982.
61. Sant Ram, N.K. Bansal and H.P. Garg, '*Performance of a thermal trap flat plate solar energy collector*', *Applied Energy*, 10(3), 203-214, 1982.
62. A.K.Bhargava, H.P.Garg and V.K.Sharma, '*A two pass solar air heater*', *Energy*, 7(1), 1982.
63. H.P.Garg, V.K.Sharma and A.K.Bhargava, '*Theory of multiple pass solar air heater*', *Energy*, 19(5), 589-599, 1985.
64. Sant Ram and H.P.Garg '*Heat flux through a Trombe wall/roof*', *Applied Energy*, 19(1), 61-71, 1985.
65. H.P. Garg and S.N. Garg, '*Prediction of global solar radiation from bright sunshine hours and other meteorological data*', *Energy Conversion and Management*, 23(2), 113-118, 1983.
66. H.P.Garg, J.K.Sharma, and Aman Dang, '*Optical geometries of plane mirror solar collectors*', *Energy Research*, 6, 11-20, 1982.

67. A.Malhotra, H.P.Garg and A.Palit, '*Heat loss calculation of flat-plate collectors*' J. of Thermal Engineering, 2(2), 59- 62, 1981.
68. H.P.Garg, A.R.Shukla, R.C.Agnihotri and S.Chakravarthy, '*Suitable solar selective absorbers for all-glass evacuated tubular solar energy collector*', Applied Energy, 13, 295- 315, 1983.
69. H.P.Garg, Gauri Datta and B.Bandyopadhyay, '*Experimental and theoretical investigations on temperature dependence of overall heat loss coefficient from a flat plate collector*', Energy, 8(6), 451-459, 1983.
70. H.P.Garg, Gouri Datta and B.Bandyopadhyay, '*A study on the effect of enhanced heat transfer area in solar air heaters*', Energy Con-version and Management 23(1), 43-49, 1983.
71. H.P.Garg, A.R.Shukla, R.C.Agnihotri, S.Chakraverty and Indrajeet, '*Study of transmittance in an evacuated flat plate collector with double cylindrical glass cover*', Energy Conversion and Management, 23(1), 33-36, 1983.
72. H.P.Garg, B.Bandyopadhyay and Gouri Datta, '*Mathematical modelling of a solar cooker*', Applied Energy, 14, 233-239, 1983.
73. H.P.Garg, S.Chakraverty, A.R.Shukla, R.C.Agnihotri and Indrajeet, '*Advanced tubular solar energy collector - A state of the art*', Energy Conversion and Management, 23(3), 157-169, 1983.
74. H.P.Garg and U.Rani, '*Calorimetric determination of bond conductances in pipe and fin type flat-plate solar collectors*' Applied Energy, 9, 77-82, 1981.
75. H.P. Garg, V.K. Sharma, and Gouri Datta, '*Analysis of a novel solar air heater*' Regional J. of Energy, Heat and Mass Transfer , 4(4), 261-269, 1982.
76. H.P. Garg, B.Bandyopadhyay, R.B. Mahajan, and V.K. Sharma, '*Matrix type Solar Air heater*' CSIO Communications, 8(3), 81-89, 1981.
77. J.K.Sharma, Aman Dang, H.P.Garg, and S.S.Mathur, '*Solar flux distribution from circular cylindrical concentrators*' Solar Energy, 30(6), 507-512, 1983.
78. H.P.Garg, K.P.Tharni and P.C.Pande, '*Solar Water heater cum steam cooker*' The Indian and Eastern Engineer, 315-317, August 1978.
79. A.K.Bhargava, H.P.Garg and G.Datta, '*Effect of air leak on the longterm performance of air heater*' Energy Conversion and Management 24(2), 103-106, 1984.
80. H.P.Garg, G.Datta and A.K.Bhargava, '*Some studies on the flow passage dimension for solar air heating collectors*' Energy Conversion and Management, 24(3), 181-184, 1984.
81. P.K.Bansal, D.S.Hrishikesan and H.P.Garg, '*Effect of heat exchanger on the performance of a shallow solar pond water heater*' Energy Conversion and Management, 24(4), 285, 1984.
82. H.P.Garg, V.K.Sharma and R.B.Mahajan, '*Inexpensive solar collector cum storage system for agricultural requirements*', J. Inst. of Engr. (India), 64(pt. IDGE 3), June 1984, 115- 121.

83. H.P.Garg, '*An overview of design methods for solar water heating systems*' Solar and Wind Technology, 2(2), 101-112, 1985.
84. H.P.Garg, V.K.Sharma, R.B.Mahajan and A.K.Bhargava, '*Some mechanical aspects of low cost augmented integrated rock system*' Energy Conversion and Management, 24(4), 247-254, 1984.
85. G.N.Tiwari, H.P. Garg and Madhuri, '*Effect of thermal trap on the performance of an underground shallow solar pond water heater*' Energy Conversion and Management, 25(2), 127- 133, 1985.
86. H.P.Garg, G. Datta and A.K. Bhargava, '*Studies on an all plastic solar hot water bag*' Energy Research, 8, 291-296, 1984.
87. H.P.Garg and G.Datta, '*The top loss calculation for flat- plate solar collectors*' Solar Energy, 32(1), 141-143, 1984.
88. S.Chakraverty, N.K.Bansal and H.P.Garg, '*Transient analysis of a CPC collector with time dependent input function*', Solar Energy, 38(3), 179-185, 1987.
89. G.N. Tiwari, H.P.Garg, U.Singh and Madhuri, '*Performance of an inexpensive underground shallow solar pond water heater*' Energy Conversion and Management, 24(3), 223-228, 1984.
90. J.Prakash, H.P.Garg and G.Datta, '*Performance prediction of a built in storage type solar water heater*' Energy, 10(11), 1209-1213, 1985.
91. J.Prakash, H.P.Garg and G.Datta, '*Effect of baffle plate on the performance of built in storage type solar water heater*' Energy, 8(5), 381-387, 1983.
92. H.P.Garg, R.B.Mahajan, V.K.Sharma and H.S.Acharya, '*Design and development of a simple solar dehydrator for crop drying*' Energy Conversion and Management, 24(3), 229-235, 1984.
93. H.P.Garg, V.K.Sharma and G.Datta, '*Functional aspects of a porous bed solar air heater*' Energy, 11(9), 913-923, 1986.
94. H.P.Garg, V.K.Sharma,R.B.Mahajan and A.K.Bhargava, '*Experimental study of an inexpensive solar collector cum storage system for agricultural requirements*' Solar Energy, 35(4), 321-331, 1985.
95. H.P.Garg, A.R.Shukla,Indrajit, Madhuri, R.C.Agnihotri and S.Chakraverty, '*Development of a simple low cost solar, simulator for indoor collector testing*, Applied Energy, 21(1), 43-54, 1985.
96. H.P. Garg, S.Chakraverty and R.C.Agnihotri, '*Transmittance study of a tubular cover collector*' Int. J. Solar Energy, 2(2), 107-119, 1984.
97. A.K.Bhargava, H.P.Garg, V.K.Sharma, and R.B.Mahajan, '*Investigation on double-glazed solar air heater connected in series with rock-bed solar collector-cum-storage system*', Energy Conversion and Management, 25(2), 139-146, 1985.

98. G.N.Tiwari, H.P.Garg and M.S.Hussain, '*Transient analysis of parallel plate forced circulation-Solar water heating system*' Energy Conversion and Management, 24(3), 171-175, 1984.
99. G.N.Tiwari,H.P.Garg and M.S. Hussain, '*Performance of an inverted flat-plate solar collector*' Int. J. Energy Research, 8, 223-229, 1984.
100. M.S.Hussain, G.N.Tiwari and H.P.Garg, '*Performance of solar collector/storage water heater*' Applied Energy, 20, 301-316, 1985.
101. G.N.Tiwari, Madhuri and H.P.Garg, '*Effect of water flow over the glass cover of a single basin solar still with intermittent flow of waste hot water in the basin*', Energy Conversion and Management, 25(3), 315-322, 1985.
102. Indrajit, N.K.Bansal, and H.P.Garg, '*An experimental study on a finned type and non-porous type solar air heater with a solar simulator*' Energy Conversion and Management, 25(2), 135-138, 1985.
103. H.P.Garg, and S.N.Garg, '*Correlation of monthly average daily global, diffuse and beam radiation with bright sunshine hours*' Energy Conversion & Management, 25(4), 409- 417, 1985.
104. H.P.Garg, V.K.Sharma, R.B.Mahajan, and A.K.Bhargava, '*Performance studies of a double glazed augmented integrated rock system*,' Energy Research, 8, 151-161, 1984.
105. G.N.Tiwari and H.P.Garg, '*Studies on various designs of solar distillation systems*' Solar and Wind Technology, 1(3), 161-166, 1984.
106. G.N.Tiwari,U.Singh, M.S.Hussain, and H.P.Garg, '*Performance of Collector-storage water heater*' The J. of Thermal Engg., 4(4), 12-22, 1984.
107. H.P.Garg and S.N.Garg, '*Improved correlation of monthly mean daily and hourly diffuse radiation with the corresponding global radiation for Indian stations*' Solar and Wind Technology, 4(2), 113-126, 1987.
108. Rashmi Verma, N.K.Bansal and H.P.Garg, '*The comparative performance of different passive cooling approaches to passive cooling*', Building and Environment, 21(2), 65-69, 1986.
109. H.P.Garg and S.N.Garg, '*Statistical analysis of solar radiation on variously oriented sloping surfaces*,' Solar and Wind Technology, 4(1), 95-108, 1987.
110. V.K.Sharma, S.Sharma, R.A.Ray and H.P.Garg, '*Design and performance studies of a solar dryer suitable for rural applications*' Energy Conversion and Management, 26(1), 111- 119, 1986.
111. H.P. Garg and D.S. Hrishikesan. '*Enhancement in Solar Energy on Flat-Plane booster mirrors*' Solar Energy, 40(4), 110- 131, 1988.
112. G.N.Tiwari, M.S.Hussain and H.P.Garg, '*Analysis of a flat-plate solar collector/storage water heater with evaporation*' Energy, 9 (4), 351-360,1984.

113. J.Prakash, H.P.Garg and G.Datta, '*A solar water heater with a built-in-latent heat storage*' Energy Conversion & Management, 25 (1), 51-56,1985.
114. A.K.Bhargava, H.P.Garg and V.K.Sharma, '*An air heater in Non-Conventional modes of operation*' Energy Research, 7,93- 97,1983.
115. H.P.Garg, V.K.Sharma and A.K.Bhargava, '*Theory of multiple- pass solar air heaters*' Energy, 10 (1), 1985.
116. A.K.Bhargava, H.P.Garg and V.K.Sharma, '*Solar air heater: Steady-state and periodic analysis*' Applied Energy, 19,183- 195, 1985.
117. J.Prakash, H.P.Garg and Ratna Verma, '*Transient analysis of a N-collector array under different configurations*' Energy Options for the 90's, Tata McGraw Hill Pub.Co.Ltd., New Delhi,pp.34-41,1988.
118. J.Prakash, H.P.Garg and D.S.Hrishikesan, '*Effect of tracking on the performance of a Built-in-storage type solar water heater*' Solar and Wind Technology, 5(4), 433-440,1988.
119. H.P.Garg, N.K.Bansal and D.S.Hrishikesan, '*Thermal performance of a solar hot water system with plastic bag water heater array*' Solar and Wind Technology, 5 (4), 423- 431,1988.
120. H.P.Garg, D.S.Hrishikesan and Ranjana Jha, '*System performance of built-in-storage type solar water heater with transparent insulation*' Solar and Wind Technology, 5 (5), 520-531, 1988.
121. G.Datta, H.P.Garg, R.A.Ray and J.Prakash, '*Performance prediction of a cabinet-type solar dryer*' Solar and Wind Technology, 5 (3), 289-292,1988.
122. H.P.Garg and Summana Chakraverty, '*Thermal analysis of an evacuated tube collector module*' Solar and Wind Technology,5 (6), 632-648,1988.
123. V.K.Sharma, H.P.Garg, sanjay Sharma and R.A.ray, '*A low cost augmented rock system for space heating and agricultural requirements*' International J. of Energy Systems, 8 (2), 106-110,1988.
124. J.Prakash, H.P.Garg, D.S.Hrishikesan and Ranjana Jha, '*Performance Studies on an integrated solar cum storage water heating system with transparent insulation cover*' Solar and Wind Technology, 6 (2), 171-176,1989.
125. H.P.Garg, G.Datta and A.K.Bhargava, '*Performance studies on a finned air heater*' Energy, 14 (20),87-92,1989.
126. V.k.Sharma, S.Sharma, R.B.Mahajan and H.P.Garg, '*Evaluation of a matrix solar air heater*' Energy Conversion and Management, 30(1), 1-8,1990.
127. A.K.Bhargava, Ranjana Jha and H.P.garg, '*Analysis of a solar air heater with thermosyphon flow in one channel and forced flow in other channel*' Energy Conversion and Management, 30 (3), 231-234, 1990.

128. J.Prakash, H.P.Garg and Ratna Verma, *'Transient analysis of a N-collector array under different configurations'* Energy Conversion and Management, 30 (2), 115-120, 1990.
129. H.P.Garg and R.L.Sawhney, *'A case study of passive houses built for three climatic conditions of India'* Solar and Wind Technology, 6 (4), 401-418,1989.
130. V.K.Sharma, H.P.Garg, G.Rizzi and A.Frascone, *'Evaluation of an flat plate jacketed type solar air heater for low temperature applications'* Sumen, 9(10), 13-19,1988.
131. H.P.Garg, Ranjana Jha and A.K.Bhargava, *"Analysis of a solar air heater with thermosyphon flow in one channel and forced flow in other channel"* Energy Conversion and Management, 30 (3), 231-234, 1990.
132. A.K.Bhargava, H.P.Garg and A.K.Agarwal, *"Study of a hybrid solar system - solar air heater combined with solar cells"* Energy Conversion and Management, 30 (4), 286-296, 1990.
133. C.Choudhury and H.P.Garg, *"Performance prediction of a corrugated cover solar air heater"* Energy Conversion & Management 31 (1), 1-8, 1991.
134. V.K.Sharma, Sanjay Sharma, R.B.Mahajan and H.P.Garg, *"Evaluation of Matrix Solar Air Heater"* Energy Conversion & Management, 30, (1), 1-8, 1991.
135. J.Prakash, H.P.Garg and Ratna Verma, *"Transient Analysis of a N-Collector Array under different configurations"* Energy Conversion & Management, 30 (2), 115-120, 1990.
136. V.K.Sharma, Sanjay Sharma and H.P.Garg, *"Mathematical Modelling and Experimental Evaluation of a Natural Convection Type Solar Cabinet Dryer"* Energy Conversion and Management, 31 (1), 65-73, 1991.
137. C.Choudhury and H.P.Garg, *"Evaluation of a jet plate solar air heater"* Solar Energy, 46 (4), 199-209, 1991.
138. C.Choudhury and H.P.Garg, *"Performance prediction of a corrugated cover solar air heater"* Energy Conversion and Management, 32 (2), 115-122, 1991.
139. J.Prakash, H.P.Garg and R.Verma, *"Transient Analysis of a N-Collector Array under different configurations"* Energy Conversion and Management, 30 (2), 115-120, 1991.
140. V.K.Sharma, G.Rizzi and H.P.Garg, *"Design and development of a matrix type solar air heater"* Energy Conversion and Management", 31 (5), 471-479, 1991.
141. A.K.Bhargava, H.P.Garg and R.K.Agarwal, *"Study of a hybrid solar system - solar air heater combined with solar cells"* Energy Conversion and Management", 31 (5), 471-479,1991.
142. R.Verma, Ram Chandra and H.P.Garg, *"Parametric studies on the corrugated solar air heaters with and without cover"* Renewable Energy, 1 (314), 361-371, 1991.
143. H.P.Garg, R.K.Agarwal and A.K.Bhargava, *"The effect of plane booster reflectors on the performance of a solar air heater with solar cells suitable for solar dryer"* Energy Conversion and Management, 32 (6), 543-544, 1991.

144. V.K.Sharma, G.Rizzi and H.P.Garg, "*Design and development of an augmented integrated solar collector with rock storage system for heating applications*" Energy Conversion and Management, 31 (4), 369-377, 1991.
145. C.Choudhury and H.P.Garg, "*Design Analysis of corrugated and flat-plate solar air heaters*" Renewable Energy, 1 (5/6), 595-607, 1991.
146. J.Prakash, H.P.Garg and D.S.Hrshikesan, "**Performance of a Solar collector with refrigerant as working fluid**" Energy Conversion and Management, 33 (2), 77-82, 1992.
147. R.K.Jha, G.N.Tiwari, H.P.Garg and Z.H.Zaidi, "*Thermal Evaluation of a Winter House*" Energy Conversion and Management, 32 (6), 555-563, 1991.
148. H.P.Garg, Ranjana Jha, C.Choudhury and G.Datta, "**Thermal analysis of a new finned type solar air heater**", Energy, 16 (10), 1231-1236, 1991.
149. H.P.Garg and Naveen Goswami, "*The development and implementation of a building energy management system -An overseas experiment*" Energy Opportunities, 6 (7-12), 2-11, 1991.
150. R.K.Jha, C.Choudhury, H.P.Garg and Z.H.Zaidi, "*Performance prediction of a solar heated house*" Energy Conversion and Management, 33 (4), 263-273, 1992.
151. C.Choudhury and H.P.Garg, "**Thermal performance of a solar hybrid domestic hot water system**" Energy, an International Journal, 17 (7), 703-711, 1992.
152. H.P.Garg, C.Choudhury, Ranjana Jha and Z.H.Zaidi, "*Performance prediction of a hybrid air-to-water solar heater*" Renewable Energy, 2(3), 211-218, 1992.
153. C.Choudhury and H.P.Garg, "*Transient response of the Thomason type solar residential heating heating system*" Renewable Energy, 2(4/5), 363-370, 1992.
154. J.Prakash, H.P.Garg and Ratna Verma, "*Study of the thermal performance of a multiple pass solar collector*" Energy Conversion and Management, 33(11), 965-970, 1992.
155. J.Prakash, H.P.Garg, Ranjana Jha and D.S.Hrshikesan "*Solar thermal systems with transparent insulation*" Energy Conversion and Management, 33(11), 987-996, 1992.
156. Ratna Verma, Ram Chandra and H.P.Garg, "*Optimization of solar air heaters of different designs*" Renewable Energy, 2(4/5),521-531, 1992.
157. C.Choudhury, H.P.Garg and J. Prakash, "*Design Studies of Packed Bed Solar Air Heaters*" Energy Conversion and Management, 34(2), 125-138,, 1993.
158. C.Choudhury and H.P.Garg, "*Performance of air heating collectors with packed air flow passage*" Solar Energy, 50, p. 205-22, 1993.
159. H.P. Garg, Jai Prakash and D.S. Hrshikesan, "*Performance Prediction of a Solar Timber Kiln*", Energy Conversion & Management, 34(7), 569-575, 1993.

160. C. Choudhary, H.P. Garg and J. Prakash, "**Transient Analysis of Rock Bed Air Heaters for Intermediate Temperature Applications**", Int. J. of Energy Research, 17(5), 377-392, 1993.
161. C. Choudhary and H.P. Garg, "**Performance Calculations for Closed Loop Air to Water Solar Hybrid Heating Systems with and Without a Rockbed in the Solar Air Heater**", Renewable Energy, 3(2), 1993.
162. H.P. Garg and G. Datta, '**Fundamentals and Characteristics of solar radiation**' Renewable Energy, 3(415), 305-319, 1993).
163. H.P. Garg and S.N. Garg, '**Measurement of solar radiation-I: Radiation Instruments**' Renewable Energy, 3 (4/5), 321-333, 1993.
164. H.P. Garg and S.N. Garg, '**Measurement of solar radiation-II: Calibration and Standardization**' Renewable Energy, 3 (4/5), 335-348, 1993.
165. C. Choudhury, P.M. Chauhan and H.P. Garg, '**On the cost-effectiveness of Solar Air Heaters** International J. Energy Research, 19(2), 133-144, 1995.
166. C. Choudhury, P.M. Chauhan and H.P. Garg, '**Design Curves for conventional solar Air Heaters**, Renewable Energy, 6(7), 739-749, 1994.
167. J. Prakash, S.C. Kaushik, R. Kumar and H.P. Garg, '**Performance prediction for a triangular built-in-storage type solar water heater with transparent insulation**' Energy, The International Journal, 19(8), 869-878, 1994.
168. S.C. Kaushik, Rakesh Kumar, H.P. Garg and J. Prakash, '**Transient analysis of a triangular Built-in storage solar Water Heater under winter conditions**' Heat Recovery Systems & CHP, 14(4), 337-341, 1994.
169. R.K. Agarwal and H.P. Garg, '**Study of a photovoltaic-thermal system Thermosyphonic solar water heater combined with solar cells**' Energy Conversion and Management, 35(7), 605-620, 1994.
170. H.P. Garg, R.K. Agarwal and J.C. Joshi, '**Experimental study on a hybrid photovoltaic-thermal solar water heater and its performance predictions**' Energy Conversion and Management, 35(7), 621-633, 1994.
171. H.P. Garg and T.C. Kandpal, '**Energy Engineering Education at Postgraduate level: Issues involved, Course structure and its proposed adaptation**' Renewable Energy, 5, part II, 1406-1442, 1994.
172. T.C. Kandpal and H.P. Garg, '**Resource Materials for Renewable Energy Education**' Renewable Energy, 5, part III, 2362-2366, 1994.
173. Tarun Kapur, T.C. Kandpal and H.P. Garg, '**Energy Demand Assessment for rice milling in India**' Renewable Energy, 5, part III, 2112-2114, 1994.
174. C. Choudhary, P.M. Chauhan and H.P. Garg, '**Cost effective design of rockbed energy storage coupled to a two-pass single cover air heater**' Renewable Energy, 5, part III, 1876-1878, 1994.

175. H.P. Garg, R.F. Sutar and G.N. Tiwari, '*Experimental studies on cultivation of cucumber in a greenhouse*' Renewable Energy, 5, part III, 1872-1875, 1994.
176. R. Kumar, S.C. Kaushik and H.P. Garg, '*Transient analysis of evaluated tubular solar collector with finite difference technique*' Renewable Energy, 4(8), 941-947, 1994.
177. H.P. Garg and R.K. Agarwal, '*Some aspects of a PV/T collector/forced circulation flat-plate solar water Heater with solar cells*' Energy conversion and Management, 36(2), 87-99, 1995.
178. C. Choudhary and H.P. Garg, '*Integrated rockbed heat, exchanger-cum-storage unit for residential-cum water heating*' Energy conversion & Management, 36(10), 999-1006, 1995.
179. C. Choudhary, P.M. Chauhan and H.P. Garg, '*Economic design of a rock bed storage device for storing solar thermal energy*' Solar Energy, 55(1), 29-37, 1995.
180. R. Kumar, S.C. Kaushik and H.P. Garg, '*Analytical study of collector solar-gain enhancement by multiple reflectors*' Energy, The International Journal, 20 (6), 511-522, 1995.
181. G.N. Tiwari, N. Lugani, A.K. Singh and H.P. Garg, '*Performance Studies of a passively cooled mahal*' Energy & Buildings, 22, 91-99, 1995.
182. H.P. Garg and T.C. Kandpal, '*Energy Education at University level: Results of a questionnaire based survey*' Applied Energy, 52, 649-654, 1995.
183. H.P. Garg and V. Datta, '*Status of Solar Photovoltaic Technology in India-An Industrial Outlook*' Applied Energy, 52, 395-419, 1995.
184. P.M. Chauhan, C. Choudhary and H.P. Garg, '*Deep bed drying of coriander using solar air heater and packed bed energy storage unit*' Applied Energy, 52, 579-592, 1995.
185. C. Choudhary, P.M. Chauhan and H.P. Garg, '*Performance and Cost analysis of two-pass solar air heaters*' Heat recovery Systems & CHP, 15 (87), 755-773, 1995).
186. S.C. Kaushik, R. Kumar and H.P. Garg, '*Enhanced performance prediction of solar collector/storage water heaters with reflector systems: a comparative study*' Int. J. of Ambient Energy, 16 (1), 33-47, 1995.
187. S.C. Kaushik, Rakesh Kumar and H.P. Garg, '*Effect of baffle plate on the performance of triangular built-in-storage solar water heater*, Energy Conservation & Mgmt.36(5), 337-342, 1995.
188. S.C. Kaushik, Rakesh Kuamr, S. Chandra, and S. Koul, '**Solar collector-reflector systems; State of art study and performance evaluation**, Int. Solar energy 16, 245-262 1995.
189. C. Choudhary, P.M. Chauhan, H.P. Garg and S.N. Garg, '*Cost-benefit ratio of triple pass solar air heats*' Energy Conversion & Management, 37(1), 95-116, 1996.
190. C. Choudhary and H.P. Garg, '*Design Curves for Conventional solar Air Heaters*', Renewable Energy, 6(7), 739-749, 1995.

191. P.M. Chauhan, C. Choudhary and H.P. Garg, '*Comparative performance of Corriander dryer coupled to solar air heater-cum-rockbed storage*', Applied Thermal engineering, 16(6), 475-486, 1996.
192. H.P. Garg and T.C. Kandpal, '*Renewable Energy Education : Challenges and problems in developing Countries*' Renewable Energy, 9(1-4), 1188-1193, 1996.
193. T. Kapoor, T.C. Kandpal and H.P. Garg, '*Solar Energy for paddy parboiling in India: Financial feasibility analysis*', 21(10), pp. 931-938, 1996.
194. T. Kapoor, T.C. Kandpal and H.P. Garg, '*Energy demand and supply options for primary processing of rice in India*', Renewable Energy, 9(1-4), 946-949, 1996.
195. C. Choudhary and H.P. Garg, '*Performance of two pass photovoltaic/Thermal air heater*' Renewable Energy, 9(1-4), 1803-1806, 1996.
196. G. Datta and H.P. Garg, '*A proposed Energy Curriculum for Undergraduates in India*' Renewable Energy, 9(1-4) 2095-2098, 1996.
197. G. Datta and H.P. Garg, '*Theoretical and experimental studies on a solar photovoltaic thermal (PV/T) liquid heating system with thermosyphonic flow*' Renewable Energy, 9(1-4), 1815-1818, 1996.
198. T.Kapoor, T.C. Kandpal and H.P. Garg, '*Rice milling Industry in India : Energy saving potential of energy efficient motors*' Int. J. of Ambient Energy, 16(4), 192-203, 1995.
199. T.Kapoor, T.C. Kandpal and H.P. Garg, '*Electricity generation from rice husk in Indian rice mills : Potential and Financial viability*', Biomass and Bioenergy, 10(5/6), 393-403, 1996.
200. T. Kapoor, T.C. Kandpal and H.P. Garg, '*Rice Processing in India : A generalized framework for energy demand estimation*' Int. J. of Energy Research, Vol. 21, pp. 309-325, 1997.
201. T. Kapoor, T.C. Kandpal and H.P. Garg, '*An optimization model for energy supply to rice mills in India*' Int. J. of Energy Research, Vol 21, pp. 341-358, 1997.
202. H.P. Garg and R.S. Adhikari, '*Conventional hybrid photovoltaic/thermal (PV/T) air heating collectors : Steady - State Simulation*' Renewable Energy, 11(3), 363-385, 1997.
203. R.K. Goyal, G.N. Tiwari and H.P. garg, '*Effect of Thermal Storage on the performance of an air collector: A periodic Analysis*' Energy Conversion and Management, 39(3&4), 193-202, 1998.
204. A.R. Shukla, H.P. Garg and R.S. Adhikari, '*Performance of a solar air-heating collector designed as per Indian specifications*' SESI Journal, 7(2), 55-62, 1997.
205. H.P. Garg and Rakesh Kumar, '*Studies on semi-cylindrical solar tunnel dryers: estimation of solar irradiance*' Renewable Energy, 13(3), 393-400, 1998.
206. H.P. Garg, P. Avanti and G. Datta, '*Development of nomogram for performance prediction of integrated collector-storage(ICS) solar water heating systems*' Renewable Energy, 14(1-4), 11-16, 1998.

207. T.C. Kandpal and H.P. Garg, '*Renewable Energy Education for Technicians/Mechanics*' Renewable Energy, 14(1-4), 393-400, 1998.
208. H.P. Garg and R.S. Adhikari, '*Renewable Energy Programme and mission in India*', Renewable Energy, 14(1-4), 473-478, 1998.
209. H.P. Garg and R.S. Adhikari, '*Optical design calculations for CPCS*', Energy, 23(10), 907-909, 1998.
210. H.P. Garg, G.Datta and P. Avanti, '*Design nomogram for long term performance prediction of integrated collector-storage(ICS) Solar Water Heater*' Int. J. of Energy Research, 22, 1235-1248, 1998.
211. H.P. Garg, Rakesh Kumar and G.Datta, '*Simulation model of the thermal performance of a natural convection-type solar tunnel dryer*' Int. J. of Energy Research', 22, 1165-1177, 1998.
212. H.P. Garg, and R.S. Adhikari, '*Transient simulation of Conventional hybrid photovoltaic/thermal(PV/T) air heating collectors*' Int. J. of Energy Research', 22, 547-562, 1998.
213. H.P. Garg and Rakesh Kumar, '*Studies on Semi-Cylindrical solar tunnel dryers: Year round collector eprformance*' Int. J. of Energy Research, 22, 1381-1395, 1998.
214. H.P. Garg and R. S. Adhikari, '*System performance studies on a photovoltaic/thermal (PV/T) air heating collector*' Renewable Energy, 16, 725-730, 1999.
215. H.P. Garg and R.S. Adhikari, '*Performance evaluation of a single solar air heater with N-subcollectors connected in different combinations*' Int. J. Energy Research, 23, 403-414, 1999.
216. H.P. Garg and R. Kumar, '*Studies on semi-cylindrical solar turnnel dryers: thermal performance of collector*' Applied Thermal Engineering, 20, 115-131,2000.
217. R. Kumar, S.C. Kaushik, H.P. Garg and N. Vatsa, '*Numerical analysis of a tubular solar collector with cusp reflectors*' Int. J. Ambient Energy, 20(3), 149-158, 1999.
218. H.P. Garg and R. S. Adhikari, '*Performance analysis of a hybrid photovoltaic/thermal (PV/T) collector with integrated CPC troughs*' Int. J. Energy Research, 23, 1295-1304, 1999.
219. T.C. Kanpal and H.P. Garg, '*Energy Education*' Applied Energy 64(1-4), 71-78, 1999.
220. R. S. Adhikari, Ashvini Kumar and H.P. Garg, '*Techno-economic analysis of a multi-stage stacked tray (MSST) solar still*' Desalination, 127, 19-26, 2000.
221. V. Bhardwaj, S.C. Kaushik and H.P. Garg, '*Sensible thermal storage in rock beds for space conditioning : a state of the art study*' Int. J. of Ambient Energy, 20(4), 211-220, 1999.
222. Rakesh Kumar, R.S. Adhikari, H.P. Garg and Ashvini Kumar, '*Thermal Performance of a solar pressure cooker based on evacuated tube solar collector*', Applied Thermal Engineering 21, 1699-1706 2001.

223. H.P. Garg, '*Ethanol fuel economy in India*' *Science Tech. Entrepreneur*, 10(2), 49-55, 2002.
224. H.P. Garg, 'Transient simulation and some experimental studies on a Solar Tunnel Dryer' *Renewable Energy, An International Journal*, 19, 325 – 332, 2001
225. H.P. Garg and R.S. Adhikari, 'A novel design of a natural convection type multi effect humidification (MEH) – dehumidification solar distillation plant (100 liters capacity per day), *Desalination (An International Journal)*, 152, 55 – 65, 2001
226. H.P. Garg and V. Bharwaj, 'Behaviour of rock bed storage thermal system' *Int. J. of Ambient Energy*, 21(4), 211 – 220, 2000.
227. H.P. Garg and R.S. Adhikari, 'Design, development and technoeconomic evaluation of Hybrid photovoltaic/thermal (PV/T) air heating system' *Int. J. Energy Conversion and Management*, 41(2), 96 – 110, 2000.
228. H.P. Garg and R.S. Adhikari, 'Solar assisted multieffect humidification dehumidification (MEH) plant' *Desalination*, 128, 54 – 64, 2001.
229. H.P. Garg and R.S. Adhikari, 'Techno-economic optimization of a hybrid photovoltaic / thermal (PV/T) air heating collector' *Int. J. Energy Research*, 22(3), 180 – 188, 2001.
230. H.P. Garg and R.S. Adhikari and A. Kumar, 'Thermal performance of a solar pressure cooker based on evacuated tube solar collector' *Applied Thermal Engineering (Int. Journal)*, 21, 20 – 25, 2001.
231. H.P. Garg and Rakesh Kumar, 'Analytical study on open-sun-drying' *Int. J. Energy conversion and Management*, 42(2), 211 – 220, 2001.
232. H.P. Garg, R.S. Adhikari and Rakesh Kumar, 'Experimental design and computer simulation of multi – effect humidification (MEH) – dehumidification solar distillation' *Desalination (An International Journal)*, 153, 81 – 86, 2002