CURRICULUM VITAE of DR. P.B.L.CHAURASIA

Vice-Chancellor, The ICFAI University - Jaipur

1. Name Dr.P.B.L.Chaurasia

2. Contact address

Vice-Chancellor,
The ICFAI University,
Jamdoli, Agra Road, Jaipur-302031, India
e-mail: pblchaurasia@iujaipur.edu.in / pblchaurasia@gmail.com
Website: www.iujaipur.edu.in / Mobile: +91-9549870870 / 9602896649

3. Present position

S. No	Position held	Institute	Period		Work field
			From	Upto	
1.	Vice-Chancellor	The ICFAI University, Jaipur, India	**Jan. 2015**	**To-Date (Continued)**	Chief Executive of the University

4. Former Positions

S. No	Position held	Institute	Period		Work field
			From	Upto	
1	Dean-Engineering and Director, Centre of Excellence, Solar Energy Research & Utilization	Suresh Gyan Vihar University, Jaipur	May 2012	Dec. 2014	Administration of School of Engineering & Technology (Head of School) R & D work in Solar Energy, Guiding M.Tech and Research Scholars for the project works
2.	Principal Engineering College (Institute Head)	Vyas Engineering College, Jodhpur	01.11.11	April 2012	Engineering College Administration (Head of Institute)
3.	Principal Scientist	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	04.06.09	31.10. 11	R & D work, Project Leader and Administration
4.	Marie-Curie Fellow	School of Chemical Engineering, University of Birmingham, Birmingham, U.K.	04.06.07	03.06.09	R & D work with International Team of Scientists at U.K. and Project Leader
5.	Principal Scientist	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	10.07.00	03.06.07	R & D work, Project Leader and Administration
6.	Visiting Scientist	Fuel Cell Engineering, Institute of Energy Utilization, Tsukuba, Japan	10.04.00	09.07.00	R & D work with leading Japanese Scientists at Japan
7.	Principal Scientist	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	28.08.98	09.04.00	R & D work, Project Leader and Administration

8.	Senior Scientist	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	14.08.94	27.08.98	R & D work, Project Leader and Administration
9.	Academic Visitor	AMSET Engineering Centre, Demontfort University, Leicester, U.K.	14.02.94	13.08.94	R & D work with leading scientists at UK
10.	Senior Scientist	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	01.07.84	13.02.94	R & D work, Project Leader and Administration,
11.	Scientist S-1	AE Engineering Division, Central Arid Zone Research Institute, Jodhpur (ICAR, Govt. of India)	13.02.79	31.06.84	R & D work and Project Leader
12	Scientist S-1	Central Institute for Research on Cotton Technology (CIRCOT), Mumbai	29.08.78	12.02.79	Research and Development work
13.	Post Doctoral Fellow	C.S.I.R., New Delhi (University of Rajasthan, Jaipur)	01.04.77	28.08.78	Research and Development work
14	Research Fellow	C.S.I.R., New Delhi (University of Rajasthan, Jaipur)	08.01.72	31.03.77	Research and Development work

5. Awards (National and International Awards)

S. No	Award	Year	Awarding agency	Award detail	Amount	Remarks
National Awards						
1.	NRDC Invention Award	1990 Republic Day Award	N.R.D.C. New-Delhi (Govt. of India)	Invention for development of Solar Candle Making Machine for cottage industry	Rs. 25000/- with certificate	Award for meritorious invention
2.	Kheti Award	1986	I.C.A.R., New-Delhi (Govt. of India)	Development of Solar gadgets developed for farmers	Rs.2000/- with certificate	Award for rural energy development
3.	India Excellence Award	2000	F.F.I., New-Delhi	Life time achievements on the R & D work in solar energy	Gold medal with certificate	Award for Development of various solar gadgets
International Awards						
4.	Incoming International Fellowship-Award	2007	European Commission, Belgium	Development of new Solar Technology for Power Generation at UK	Rs.4.80 Lakh P.M.	Worked with International team of Scientist for 2 years at UK
5.	S.T.A.Post Doctoral	2000	Japan Science & Technology	Hydrogen Fuel Cell and Chemical	Rs.1.80 Lakh P.M.	Worked with leading Japanese scientists at

	Fellowship-Award		Agency, Japan	Engineering R & D work at Japan		Energy Institute, Japan
6.	E.C. Post Doctoral Fellowship-Award	1994	European Commission, Belgium	Advanced Solar Energy Research Work at UK	Rs.1.44 Lakh P.M.	Worked with leading UK scientists at Demontfort University, UK

6. Publications **Papers to credit 256 (196 papers with 1st authorship)**

S. No	Journals	No. of Papers	Remarks
1.	International Journals	53	**Awards:** Publications received National Awards from NRDC (Govt. of India), ICAR (Govt. of India) and F.F.I., New-Delhi. **Distinctions:** Publications based on R & D work enabled me to receive World Class Post Doctoral Fellowships from European Commission, Brussels and Japan Science & Technology Agency to work with world leading scientists at Birmingham University, UK; Demontfort University, UK; Energy Institute, Japan.
2.	National Journals	61	
3.	Scientific & Projects Reports	5	
4	Chapters in books	6	
5.	Papers presented in conference	138	
	Total papers	263	

7. Academic Qualifications

S. No	Degree	University	Period	Field of Study and Specialisation
Academic Degrees				
1.	M.Sc.	University of Raajasthan, Jaipur	1971	Physics with spécialisation in Electronics
2.	Ph.D	University of Rajasthan, Jaipur	1977	Heat Transfer
Post Doctoral Experiences				
3.	Post Doctoral work	Demontfort University, Leicester, U.K.	1994	Advanced Solar Energy R & D work
4.	Post Doctoral work	Institute for Energy Utilisation, Tsukuba, Japan	2000	Hydrogen Fuel Cell Chemical Engineering R & D work
5.	Post Doctoral work	University of Birmingham, Birmingham, U.K.	2007	Development of new technology for solar power generation based on chemical engineering method

8. Work Field/Areas

(a) Engineering College Administration (Head of the Institute).
(b) Outstanding Scientific Career.
(c) Original Innovative Research Work.
(d) Research & Development Management.
(e) Project Leader (Solar Thermal Engineering, Fuel Cell Engineering and Solar Power Generation Engineering).
(f) Guiding M.Tech. and Research Scholars for their research & thesis work.

9. Experience

Administration and R & D Experience: > 40 years
(Worked in various capacities in India & Foreign countries)

10. Other Experience

Worked in various capacities for different tasks
(25 years experience)

(a) Evaluation of Ph.D. thesis from different Universities, IIT etc.
(b) Evaluation of Prize award proposals from various agencies.
(c) Evaluation of Financial proposals for projects from different departments.
(d) Evaluation of Research papers for journals from India and foreign countries.
(e) Organizations of Conferences/Workshops
(f) Judge/Chairman in various fairs/events.
(g) Members: Academic Council / E BOM
(h) Zonal Magistrate/Presiding officer for conducting Lok Sabha/Assembly elections.

11. Experience in Post Doctoral Fellowships

(a) **Incoming International Fellowship, U.K. (2007-09)**
Worked at the School of Chemical Engineering, University of Birmingham, U.K. for 2 years from June 2007 to June 2009.

(b) **S.T.A. Post Doctoral Fellowship, Japan (2000)**
Worked at the Solar Engineering Group, Institute for Energy Utilization (AIST), Tsukuba, Japan during 2000.

(c) **Marie-Curie Post Doctoral Fellowship, U.K. (1994)**
Worked at the AMSET Engineering Centre,
Demontfort University, Leicester, U.K. during 1994.

(d) **CSIR Post Doctoral Fellowship, India (1977-78)**
Awarded by CSIR, New-Delhi
Worked at the University of Rajasthan, Jaipur.
(April 1977 - August 1978).

12. Experience in Foreign country

(a) **United Kingdom**
Marei Curie Fellow. Worked Fellow with Prof. Kevin Kendall, Director, Fuel Cell Group, School of Chemical Engineering on the project "Power generation from solar energy based on PEM fuel cell" at the University of Birmingham, U.K. for 2 years from June 2007 to June 2009. Project sponsored by the European Commission. Scientists from England, France, Poland and China were involved in the project work.

(b) **Japan**
Visiting Scientist. R & D work done with Dr. T. Tanaka, Head, Solar Engineering Group on the project "Solar energy utilization technology through chemical reactions" at the Institute for Energy Utilization (AIST), Tsukuba, Japan in the year 2000.

(c) **United Kingdom**

Academic Visitor. Worked with Prof. John Twidell, Director, AMSET Engineering Centre on the project "Solar Energy Developments in Europe as Applicable for India" at AMSET Engineering Centre, Demontfort University,U.K. in year 1994.

13. R & D output and Commercialization

(a) Designed and Developed various solar engineering gadgets for the public utility.

(b) The solar technology on "Solar Candle Making Machine" commercialized, awarded and licensed by NRDC, New-Delhi.

(c) The passive cool chamber engineering technology adopted by the farmers for storage of vegetables/fruits at the field levels in different districts.

14. Conference/workshops/ Seminars/Conventions

Organized several conferences/conventions/workshops. Delivered invited lectures & key-note addresses and chaired the sessions at various plate-forms.

15. U.K. Member Delegation

During my service at the University of Birmingham, U.K. (2007-09), I was deputed as U.K. delegate from 19-24 April 2009. Represented U.K side in India for Scientific Collaboration between UK & India. Scientific Collaboration signed between U.K. and Govt. of India for £ 10M.

16. Prizes

Got prizes as winner/runner in Table Tennis Events in All India 4, 5 and 6th ICAR Inter-Institutional Sports Meets at different places during 1984, 1985 and 1986.

17. Professional memberships

i) Solar Energy Society of India (SESI) Life Membership
ii) Agriculture Research Service (ARS) Life Membership

18. Date of Birth

18 Oct.1949

19. Permanent Residential address

A-438, Sarasvati Nagar, Basni, Jodhpur-342005
Tel : 0291-2722305; M : 09602896649
E-mail : pblchaurasia@gmail.com

Publications of Dr.P.B.L.Chaurasia
(R & D work on Solar Energy Engineering, Fuel Cell Engineering and Heat Transfer)

A. Solar Energy Engineering

1. **P.B.L.Chaurasia, Estimation of effective thermal conductivity coefficients for sensible thermal storage systems, Procedings National Solar Energy Convention, Bombay, India (1979)128-132.**
2. *K.S.Malhotra and* ***P.B.L.Chaurasia, A plan for energy management for 110 villages of the Silora block in Rajasthan, International Journal of Energy, 6(1981)591-601.***
3. ***P.B.L.Chaurasia, Solar latent heat storage, Journal of The Indian & Eastern Engineer, 123(1981)179-182.***
4. ***P.B.L.Chaurasia, Solar energy thermal storage systems based on encapsulated phase change materials, Journal of Research & Industry 26(1981)159-161.***
5. ***P.B.L.Chaurasia, How to store sun's heat, Science Reporter, 18(1981)396-401.***
6. **P.B.L.Chaurasia, Solar energy thermal storage, Proceedings of 2nd Brazilian Energy Congress, Brazil 3(1981)18-23.**
7. J.P. Gupta and **P.B.L.Chaurasia, Potential of nocturnal cooling in arid conditions at Jodhpur, Proc. of National Solar Energy Convention,Bangalore, India, 4(1981)5.019-5.022.**
8. **P.B.L.Cahurasia**, Recent advances in solar energy utilisation, Proc. Sem. Energy Resources, Udaipur (1981)19.
9. **P.B.L.Chaurasia, Storage of solar energy in phase-change materials, Proceedings National Solar Energy Convention, Bangalore, India, 2(1981)7.027-7.031.**
10. **P.B.L.Chaurasia**, Solar device for candle industry, Proc. Sem. Energy Resources, Udaipur, India (1981)31.
11. ***P.B.L.Chaurasia,*** *J.P.Gupta and B.V.Ramana Rao****, Solar device for candle industry, International Journal of Energy Research, 6(1982)297-302.***
12. ***P.B.L.Chaurasia, Thermal conductivity of two-phase thermal storage materials, Journal Pure & applied Physics, 20(1982)145-147.***
13. J.P. Gupta and **P.B.L.Chaurasia, Comparative potential of nocturnal cooling in evening and morning, Proc. National Solar Energy Convention, New-Delhi, India, 10 (1982)10.004-.006.**
14. **P.B.L.Chaurasia,** J.P.Gupta and B.V.Ramana Rao, **Improved solar device for candle industry, Proc. National Solar Energy Convention, New-Delhi, India, 2(1982)2.074-.077.**
15. **P.B.L.Chaurasia**, Storage of solar energy in fusion material, Proc. Nat. Sem. Alternative Energy Resources, Sultanpur, India (1982).
16. **P.B.L.Chaurasia**, Short term solar energy storage, Proc. Nat. Adoption on Renewable Sources of Energy, Hyderabad, India (1982).
17. **P.B.L.Chaurasia, Investigation on phase change materials for storing solar energy, Proc. National Solar Energy Convention, New-Delhi, India, 5(1982)5.001-5.005.**
18. J.P.Gupta and **P.B.L.Chaurasia, Survey of possible solar energy applications for some industries at Jodhpur, Proc. National Solar Energy Convention, Delhi, 12(1982)12.047-051.**
19. ***P.B.L.Chaurasia,*** *J.P. Gupta and B.V.Ramana Rao****, Comparative study on performance of two models of solar device for melting wax during winter season, International Journal of Energy Conversion & Management., 23(1983)73-75.***
20. ***P.B.L.Chaurasia,*** *J.P.Gupta and B.V.Ramana Rao****, Solar device for candle industry, Journal of Changing Village, 5(1983)82-86.***
21. **P.B.L.Chaurasia**, Study of solar energy in phase change materials, Con. Inst. Engi., Jodhpur, India, (1983)27.
22. **P.B.L.Chaurasia**, Rajasthan desert sand and its application for solar energy storage, Semimar Desert Technology, Jodhpur, India, (1983).
23. **P.B.L.Chaurasia**, J.P. Gupta and B.V.Ramana Rao, Effect of design parameters on performance of solar device for melting wax, Proc. Nat. Solar Energy Conv., Vadodara, 39(1983)107.
24. **P.B.L.Chaurasia**, Storage of solar energy utilising phase change material, Proc. Nat. Solar Energy Conv., Vadodara, 98(1983)10.

25. **P.B.L.Chaurasia**, J.P. Gupta and B.V.Ramana Rao, Solar energy for manufacturing candles, Sem. Desert Technol., Jodhpur, India (1983).
26. **P.B.L.Chaurasia,** J.P. Gupta and B.V.Ramana Rao, **Providing supplementary income to rural people utilising alternative source of energy, Proc. Energy Alternative for Rural Development(Editors:R.Hooja &Y. Sharma),Publisher HCM-RIPA, Jaipur, 5(1983)215-219.**
27. **P.B.L.Chaurasia**, Study of solar energy storage in phase change material, 12th Congress World Energy Congress, New-Delhi, India (1983).
28. **P.B.L.Chaurasia**, J.P. Gupta and B.V.Ramana Rao, Designing a suitable solar device for cottage industry, Sem. Energy Dev. & Quality of Life, Jodhpur, India (1983)51.
29. **P.B.L.Chaurasia**, Study on use of paraffin wax for storage of solar energy, 53rd Annual Session of Nat. Acad. Sci., Gao, India (1983).
30. **P.B.L.Chaurasia**, J.P. Gupta and B.V.Ramana Rao, Suitable device for candle production, 12th Congress World Energy Congress, New-Delhi, India (1983).
31. ***P.B.L.Chaurasia,*** *J.P.Gupta and B.V.Ramana Rao****, Solar machine for making candles, Science Reporter, 21(1984)277-281.***
32. ***P.B.L.Chaurasia, Comparative study of solar energy storage in latent storage and sensible heat storage systems, International Journal of Renewable Sources of Energy, 2 (1984)1.***
33. *B.V.Ramana Rao, S.C.Chaudhary, K.P.Thanvi, N.M.Nahar****, P.B.L.Chaurasia*** *and J.P.Gupta,* ***Technology for harnessing of renewable sources of energy, J. Indian Farming, 34(11984)62.***
34. J.P.Gupta and **P.B.L.Chaurasia**, Solar energy utilization for some textile industries at Jodhpur - Prospects and Constraints, Sym. Challenging Problems of Desert Environments, Jodhpur (1984).
35. **P.B.L.Chaurasia**, Study of solar energy storage in magnesium nitrate hexahydrate, Nat. Sem. Rural Development with Alternative Energy Sources, Sultanpur, India (1984).
36. **P.B.L.Chaurasia**, Study of solar energy storage system based on latent heat technique, Sym. Challenging Problems of Desert Environments, Jodhpur, India (1984)73.
37. *K.P.Thanvi, N.M.Nahar and* ***P.B.L.Chaurasia, A few gadgets based on solar energy (in Hindi), J. Kheti, 38(1985)18-25.***
38. ***P.B.L.Chaurasia, Solar energy warmer storage unit, International Journal of Energy in Agriculture, 4(1985)57-65.***
39. ***P.B.L.Chaurasia, Studies of solar heat storage in paraffin wax, Transaction of Indian Society Desert Technology, 10(1985)43-45.***
40. **P.B.L.Chaurasia**, Solar candle device and solar heat storage systems, Sem. on Unconventional Energy Resources and Social Forestry, Jodhpur, India (1985).
41. **P.B.L.Chaurasia**, Performance of latent storage system based on paraffin wax, Nat. Solar Energy Conv., Bhopal, India (1985).
42. **P.B.L.Chaurasia**, J.P.Gupta and B.V.Ramana Rao, Solar device for manufacturing candles, 65th Annual Conv. Inst. Engi., Jaipur, India (1985).
43. **P.B.L.Chaurasia**, Solar heat storage in sodium thiosulphate pentahydrate, Nat.Sem on Farm Mechnisation, Sultanpur, India (1985).
44. **P.B.L.Chaurasia**, J.P.Gupta and B.V.Ramana Rao, Comparative study of six models of solar device for melting wax, Nat. Solar Energy Conv., Bhopal, India (1985).
45. ***P.B.L.Chaurasia, Study of solar energy storage in paraffin wax storage systems upto two night duration, Regional Journal of Energy Heat & Mass Transfer, 8(1986)57-62.***
46. J.P.Gupta, **P.B.L.Chaurasia** and M.M.Purohit, Box type solar cooker with two mirror reflectors, Nat. Solar Energy Conv., Madurai, India, (1986)79.
47. **P.B.L.Chaurasia**, Study of different insulating materials for solar energy storage, 56th Annual Session of Nat. Acad. Sci., Jaipur, India (1986)56.
48. **P.B.L.Chaurasia**, Study of insulating materials for solar energy storage for hot water applications, Nat. Solar Energy Conv., Madurai, India (1986)75.
49. **P.B.L.Chaurasia**, Studies of solar heat storage in paraffin wax, Proc. 4th All India Conf. on Desert Technology, Triputi, India (1986)43.
50. **P.B.L.Chaurasia**, Solar energy storage for solar water heaters, Workshop on Thermal Storage, Madurai, India (1986).
51. **P.B.L.Chaurasia, Study on solar energy storage in latent storage system using paraffin wax and sodium thiosulphate pentahydrate, Proceedings of Problems of Arid and Semi-Arid Regions and their Remedial Measures, Jodhpur, India (1986)159-161.**

52. **P.B.L.Chaurasia**, Study of heat collection from natural surfaces, Nat. Solar Energy Conv., Madurai (1986)82.
53. **P.B.L.Chaurasia and J.P.Gupta, Study of two insulating materials on melting of wax by solar energy, Proceedings of National Solar Energy Convention - Energy options for the 90's, New-Delhi, India, (1987)163-166.**
54. **P.B.L.Chaurasia**, Water heating by solar energy using natural surfaces, Nat. Solar Energy Conv., New-Delhi, India (1987).
55. **P.B.L.Chaurasia**, Solar energy storage in sensible and latent storage systems, Nat. Solar Energy Conv., New-Delhi, India (1987).
56. **P.B.L.Chaurasia**, Insulating materials in solar water energy storage systems,Nat. Solar Energy Conv., New-Delhi, India (1987).
57. ***P.B.L.Chaurasia, Improved solar candle making machine, Journal of Urja, 11(1988)387-389.***
58. J.P.Gupta, N.M.Nahar, **P.B.L.Chaurasia** and P.Sharma**, Design considerations for passive cooling of houses in arid areas, Proceedings of National Solar Energy Convention, Renewable energy for rural development, New-Delhi, India (1988)250-254.**
59. **P.B.L.Chaurasia, Alternative insulating materials for storage systems, Proc. National Solar Energy Convention, Renewable energy for rural development, Delhi, India I(1988)82-86.**
60. **P.B.L.Chaurasia, Simple solar device for manufacturing candles, Proceedings of Renewable Energy for Rural Development (Editors V.V.N.Kishore and N.K.Bansal), Tata McGraw-Hill Pub. Com. Ltd., New-Delhi II (1988)521-525.**
61. **P.B.L.Chaurasia**, Study of different insulations in solar energy storage systems, Nat. Sem. on Alternative Energy Generations and its Industrial Applications, Sultanpur, India (1988).
62. **P.B.L.Chaurasia** and J.P.Gupta, Study of the insulating materials in solar device formelting wax, Nat. Sem on Solar Energy and Rural Development, Kolhapur, India (1988).
63. J.P.Gupta, **P.B.L.Chaurasia** and M.M.Purohit, Study of stagnation temperature in solar cookers with different thermal insulations, 5th All India Conference on Desert Technology, Bhavnagar, India (1988).
64. **P.B.L.Chaurasia**, Study of concrete solar collectors, 58th Annual Session of Nat. Acad. Sci., Jammu, India (1988).
65. ***P.B.L.Chaurasia,*** *and J.P.Gupta****, Melting of wax by solar energy based on one shift, International Journal of Energy Research, 13(1989)491-497.***
66. ***P.B.L.Chaurasia, A simple solar device for manufacturing candles, Journal Invention Intelligence, 24(1989)496-503.***
67. ***P.B.L.Chaurasia, Use of solar energy for production of candles (in Hindi), J. Aviskar, 19(1989)20-22.***
68. **P.B.L.Chaurasia**, Solar machine for commercial candle production, Sem. Non-Conventional Sources of Energy, Ranchi, India (1989).
69. **P.B.L.Chaurasia**, Investigation on insulating materials in solar systems, Workshop on Role of Science & Technology in Agro-based Industries and Rural Development, Pilani, India (1989).
70. ***P.B.L.Chaurasia, Agricultural wastes can be used as insulation, Journal Indian Farming, 39(1990)21-23.***
71. **P.B.L.Chaurasia**, Solar candle machine - Income generation for rural people, Workshop on New Horizons in Rural Development, Strategy for Growth, Pilani (1990).
72. **P.B.L.Chaurasia, Study on water heating from solar collectors, Proceedings National Solar Energy Convention - Renewable energy and environment, Udaipur, India, III(1990)301-305.**
73. ***P.B.L.Chaurasia, Solar water heating from Natural surface, Journal of Energy Heat & Mass Transfer, 12(1990)31-38.***
74. **P.B.L.Chaurasia, Production of candles by solar method, Procedings of Integrated Renewable Energy for Rural Development, Tata McGraw Hill, Publishing Company Ltd., New-Delhi, India (1990)130-133.**
75. **P.B.L.Chaurasia**, Solar machine for cottage industry - A candle making, Nat. Solar Energy Conv., Poona, India (1991).
76. **P.B.L.Chaurasia**, Production of candles by solar fuel (in Hindi), Workshop on Technology and Demonstration, Sikar, India (1991).
77. ***P.B.L.Chaurasia, Design study of a solar candle device for melting wax, International Journal of Energy, 16(1991)879-881.***
78. **P.B.L.Chaurasia, Use of waste materials to insulate solar hot water stores (solar water heaters),**

Proceedings of 5th International Congress on Thermal Energy Storage, Netherlands, 6(1991)631-636.

79. **P.B.L.Chaurasia**, Role of agricultural wastes & utility in solar hot water storage systems, World Renewable Energy Congress, Reading, U.K. (1992).
80. **P.B.L.Chaurasia**, An appropriate technology to generate employment for villagers, Workshop on A development Strategy for Growth Through Science and Technology, Pilani, India I(1992)2.
81. **P.B.L.Chaurasia**, Candle making by solar machine, National Seminar on Rural-Urban Alternative Energy Management, Pandicherry, India (1992).
82. **P.B.L.Chaurasia**, Production of candles by solar energy, World Renewable Energy Congress, Reading, U.K. (1992).
83. **P.B.L.Chaurasia**, Solar water heating in buildings using exposed surface, Nat. Solar Energy Conv., Vadodara, India (1993).
84. ***P.B.L.Chaurasia, New solar machine for making candles (in Hindi), Journal Kheti, 46(1993)10-15.***
85. **P.B.L.Chaurasia**, Candle making based on solar method, Nat. Solar Energy Conv., Vadodara, India (1993).
86. **P.B.L.Chaurasia**, Solar based system for candle manufacturing - An illustration for cottage industry, Seminar on Alternative Sources of Energy, Amritsar, India (1994).
87. **P.B.L.Chaurasia**, Utilisation of natural solar fuel for employment generation in rural areas, 81st Session of Indian Science Congress, Jaipur, India (1994).
88. ***P.B.L.Chaurasia, Passive water heating in buildings using exposed surfaces, AMA Journal, 26(1995)51-54.***
89. **P.B.L.Chaurasia, Solar water heating using concrete collectors, Proceedings of Solar Energy Convention -Towards Clean Energy-96, Calcutta, India, 19(1996)77-81.**
90. **P.B.L.Chaurasia**, Candle production by solar method, Conference on Recent Advances in Solar Energy Technology, Delhi, India (1996).
91. ***P.B.L.Chaurasia, Comparative study of insulating materials in solar water storage systems, International Journal of Energy Conversion & Management., 33(1997)7-12.***
92. **P.B.L.Chaurasia**, Use of Transparent Insulation Material in solar candle production, National Solar Energy Convention, Chennai, India (1997)27.
93. **P.B.L.Chaurasia**, Solar water heating using concrete collectors in buildings, Australian & New- Zealand Solar Conference, Australia (1997)94.
94. **P.B.L.Chaurasia**, Solar candle making machine and employment generation in rural areas, Sustainable Dryland. Agriculture, Jodhpur, India (1997)342.
95. **P.B.L.Chaurasia**, Role of solar energy in cottage industry, Seminar on Recent Advances in Management of Arid Ecosystems, Jodhpur, India (1997).
96. **P.B.L.Chaurasia**, Solar candle technology in industry - Successful candle production, Australian & New-Zealand Solar Conference, Australia (1997)94.
97. ***P.B.L.Chaurasia, Production of candles/wax lamps by solar systems (in Hindi), Krishi Lok. 5(1998)7-9.***
98. **P.B.L.Chaurasia**, Concrete solar collector for water heating systems, National Solar Energy Convention, Roorkee, India (1998)13.
99. ***P.B.L.Chaurasia, Solar machine for candle making (in Hindi), Maru Krishi Chanyica, 2(1998)14-16.***
100. **P.B.L.Chaurasia**, Solar energy storage system based on the phase change materials, International Conference on Energy Storage Technologies and Systems, Indore, India (1999)59.
101. **P.B.L.Chaurasia**, A successful solar based cottage industry, International Confernce World Renewable Energy Congress-99, Perth, Australia (1999)274.
102. **P.B.L.Chaurasia and Harpal Singh, R.N.Prasad, Cool chambers for preservation of food materials, Proceedings of 23rd National Renewable Energy Convention, Renewable Energies and Energy Efficiency for Sustainable Development, Indore, India (1999)178-181.**
103. **P.B.L.Chaurasia**, Solar water heaters based on alternative insulating materials, International Confernece on Energy Storage Technologies and Systems, Indore, India, (1999)5.
104. **P.B.L.Chaurasia**, Utilisation of solar energy in arid regions, 6th International Conference on Development of Dry Lands, Cairo, (1999).
105. **P.B.L.Chaurasia**, Application of solar energy in cottage industry, Seminar on Solar echnologies, Jaipur, India (1999)19.

106. **P.B.L.Chaurasia**, Harpal Singh and R.N.Prasad, Enhancing shelf life of vegetables based on zero energy preservation method, 34th Annual Convention of Indian Society of Agricultural Engineers, Hissar EA-99-II(1999)14.
107. ***P.B.L.Chaurasia, Transparent insulation material in solar system - candle production, International Journal of Energy Conversion and Management, 41(2000)1569-1584.***
108. ***P.B.L.Chaurasia, Solar water heaters based on concrete collectors, International Journal of Energy, 25(2000)703-716.***
109. **P.B.L.Chaurasia, Phase change material in solar water heater storage system, Proc. 8th Int. Conf. on Thermal Energy Storage, Stuttgart, German, A(2000)601-604.**
110. **P.B.L.Chaurasia, Use of insulating materials for storage of solar water heaters, Procedings of 8th Int. Conf. Thermal Energy Storage, Stuttgart, German, A(2000)579-582.**
111. ***P.B.L.Chaurasia*** *and John Twidell****, Collector cum storage solar water heater with and without Transparent Insulation Material, International Journal of Solar Energy, 70(2001)403-416.***
112. ***P.B.L.Chaurasia, Saur mombatti sayantra (in Hindi), Krishi Lok, 28(2001)8-12.***
113. **P.B.L.Chaurasia**, H.P.Singh and R.N.Prasad, Low cost passive cool chamber for storage of vegetables and fruits, Proceedings of All India Seminar on Power Systems, Recent advances and prospects in 21st Century, Jaipur, India (2001)42.
114. **P.B.L.Chaurasia**, Storage systems for solar water heaters, ISES 2001 - Solar World Congress, Australia (2001).
115. **P.B.L.Chaurasia**, Successful use of solar energy in cottage industry, 18th World Energy Congress, Argentina (2001).
116. **P.B.L.Chaurasia, Solar energy utilisation in desert areas, National seminar on energy and environment, Agra, India (2001)5.**
117. **P.B.L.Chaurasia,** H.P.Singh and R.N.Prasad**, Low cost cool chambers for storage of vegetables, Proceedings 25th National Renewable Energy Convention, Energy Security - Role of Renewables, Hyderabad, India (2001)278-283.**
118. **P.B.L.Chaurasia**, Solar energy storage based on phase change materials, ISES-2001 Solar World Congress, Adelaide, Australia (2001).
119. **P.B.L.Chaurasia**, Study of insulating materials for solar water heaters, 1st Int. Conf. on Heat Transfer fluid mechanics, Kruger, South Africa, CP(2002)2.
120. **P.B.L.Chaurasia**, Use of phase change materials in solar storage systems, 1st Int. Conf. on Heat Transfer fluid mechanics, Kruger, South Africa, ID(2002)593.
121. **P.B.L.Chaurasia**, Solar water heaters based on low cost insulating materials, National Seminar on Recent Advances in Renewable Energy Technology, Shivaji University, Kolhapur (2002).
122. **P.B.L.Chaurasia,** H.P.Singh and R.N.Prasad, **Passive cool chamber for storage of vegetables, Science Technical Entrepreneur, 10(2002)17-20.**
123. **P.B.L.Chaurasia,** H.P.Singh and R.N.Prasad, **Short term storage of vegetables in passive cool chambers, Advances in Solar Energy Technologies, (Editors: R.Karva, P.C.Agarwal & S.N.Garg), Allied Publishers Pvt Ltd., New-Delhi (2003)119-123.**
124. **P.B.L.Chaurasia,** Use of phase change materials in solar water heaters, 2nd International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Zambia (2003).
125. **P.B.L.Chaurasia** and H.P.Singh **Passive chamber for preservation of milk, Proceedings of International Conference on New-Millenium: Alternate Energy Solutions for Sustainable Development and 26th National Renewable Energy Convention Coimbatore (2003) 372-376.**
126. **P.B.L.Chaurasia,** Harpal Singh and R.N.Prasad, **Passive cool chamber for preservation of vegetables, Energy Technologies for Sustainable Development (Editors:U.Pandel & M.P.Poonia), Prime Publishing House, Gaziabad, (2004)540-44.**
127. **P.B.L.Chaurasia**, H.P.Singh and R.N.Prasad, Passive cool chamber for short term storage of vegetables, National Conference on Energy & Fuel Issues & Future, Poona (2004) 133.
128. **P.B.L.Chaurasia**, H.P.Singh and R.N.Prasad (2004) A low cost passive cool chamber for preservation of vegetables and fruits, ICAR News, Vol. 10, pp.17.
129. *H.P.Singh, A.K.Singh and* ***P.B.L.Chaurasia*** *and A Singh****, Solar energy utilization – a key to employment generation in Indian Thar Desert, Int. J. Sustainable Energy, 24 (2005)129-142.*** **(ISSN 1478-6451)**
130. ***P.B.L.Chaurasia*** *H.P.Singh and R.N.Prasad****, Passive cool chamber for preservation of fresh vegetables, J. SESI, 15(1)(2005)47-57.*** **(ISSN 0970-2466)**
131. **P.B.L.Chaurasia** and H.A.Khan, Investigation on parazene blocks manufactured by solar system, National Conference on Energy Management in Changing Business Scenario, BITS, Pilani (2005).

132. **P.B.L.Chaurasia** and H.A.Khan, Production of parazene blocks by by solar system, International Conference on Renewable Energy For a Suitable Future, Dunedin, New-Zealand (2005).
133. **P.B.L.Chaurasia,** H.P.Singh and R.N.Prasad**,** Short term storage of vegetables based on passive cool chamber, National Conference on Energy Management in Changing Business Scenario, BITS, Pilani (2005).
134. **P.B.L.Chaurasia** and H.P.Singh, Traditional and improved methods of candle production – An avenue for employment generation, National Conference on Bridging gap between ancient and modern Technologies to Increase Agricultural Productivity, Jodhpur, (2005)33.
135. **P.B.L.Chaurasia** and H.A.Khan, Utilization of solar energy for making parazene blocks, International Conference of Eurosun-2006, Glasgow, U.K. (2005).
136. ***P.B.L.Chaurasia, Solar candle making machine: employment generation for rural people, J. Indian Farming 55(2005)24-28. (ISSN 0019-4786)***
137. ***P.B.L.Chaurasia*** *H.P.Singh and R.N.Prasad****, Low cost passive cool chamber for short term storage of food materials, Int. Cong. Renewable Energy (Editors: EVR Shatri and DN Reddy), (2006)240-45.*** **(ISBN: 81-7764-756-3)**
138. **P.B.L.Chaurasia, Saur urja chalit mombatti machine (in Hindi), Vigyan Pragati, 55(2006)43-46. (ISSN: 0042-6075)**
139. **P.B.L.Chaurasia** and H.A.Khan, **Study on parazene blocks manufactured using solar system for freshening air, Int. Cong. Renewable Energy (Editors: EVR Shatri and DN Reddy), (2006)246-50. (ISBN: 81-7764-756-3)**
140. ***P.B.L.Chaurasia, Production of candle by solar energy as fuel – solar candle making machine (in Hindi), Jigyasha, 20 (2006)18-12***
141. **P.B.L.Chaurasia,** H.P.Singh and R.N.Prasad**,** Indigenous environmental friendly cool chamber for storage of vegetables, National Conference on Innovations in Indian Science, Engineering and Technology, New-Delhi (2006)59.
142. **P.B.L.Chaurasia**, H.A.Khan, Performance of solar based made air freshening blocks, National Conference on Development in Renewable Energy &Energy Management, Visakhapatnam (2006).
143. **P.B.L.Chaurasia**, Scope of solar thermal systems in the society, presented in the 14th Annual Conference of Society of Chemical Science and Technology, University of Birmingham, U.K. (2007).
144. **PBL Chaurasia**, Solar energy utilization, presented in the National Energy Management Exhibition: NEMEX-2008, Birmingham, UK (2008).
145. **PBL Chaurasia**, Solar energy and its power generation, presented in the Conference on Sustainability Live-2009: Reducing carbon, NEC, Birmingham, UK (2009).
146. PC Pande, NM Nahar, **PBL Chaurasia**, Dinesh Mishra, JC Tiwari and HL Kushwaha, **Renewable energy spectrum in Arid Region, Trends in Arid Zone Research in India (Eds: Amal Kar, BK Garg, MP Singh and S.Kathju, Evergreen Printers, Jodhpur (2009)210-237.**
147. PC Pande, NM Nahar, **PBL Chaurasia**, and A.K Singh, Novel solar devices for arid region, presented in India R & D - 2011, Industry, Academy and Linkages, India Habitat Centre, Delhi (2011).
148. **PBL Chaurasia**, B.L.Dhabhai, Hari Singh and P.N.Mathur, Renewable Energy Sector in India, Paper presented in the Convention on Climate Change and Water (C3W-2012), Gyan Vihar University, Jaipur (2012).
149. P.N.Mathur, B.L.Dhabhai and **PBL Chaurasia**, Green buildings, environment and energy conservation, Paper presented in the Convention on Climate Change and Water (C3W-2012), Gyan Vihar University, Jaipur (2012).
150. B.L.Dhabhai and **PBL Chaurasia**, Biofuels and its future, Paper presented in the Convention on Climate Change and Water (C3W-2012), Gyan Vihar University, Jaipur (2012)55.
151. Ram C Chhipa and **PBL Chaurasia**, Challenges and sustainability of non-conventional energy sources of India, Paper presented in the Convention on Climate Change and Water (C3W-2012), Gyan Vihar University, Jaipur (2012)31.
152. PN Mathur and **PBL Chaurasia**, Passive solar buildings, Paper presented in the Convention on Climate Change and Water (C3W-2013), Gyan Vihar University, Jaipur (2013).
153. **PBL Chaurasia**, BL Dhabhai, RC Chippa, PN Mathur and A.Mandal, Scope and Opportunity of solar energy utilization in Thar Desert areas, Invited Paper presented in the Convention on Climate Change and Water (C3W-2013), Gyan Vihar University, Jaipur (2013)50-51.
154. *A.Agarwal,* ***P.B.L.Chaurasia, Effect of variation in depth and effect of insulation in cooking of animal feed cooker by solar energy, Int. Res. J. Mgmt. Sci. Tech.(IRJMST) ISSN2250-1959, 5(2013)74-79.***

155. *A.Kumar*, ***P.B.L.Chaurasia and*** *H.K.Singh*, ***Potential assessment for feasible grid connected roof top solar PV system of ISBM building of Suresh Gyan Vihar University, Jaipur, Progress in Science & Engineering Research Journal (PISER), ISSN 2347-6680, 2(2013)47-51.***
156. *N.R.Faridi, P.N.Mathur* ***and P.B.L.Chaurasia, A study on loading parameter of solar passive cool chamber for storing vegetables, Int. J. Science, Engineering & Technology (IJSET) ISSN 2348-4098, 2(2013)701-16.***
157. *S.Kumar*, ***P.B.L.Chaurasia and*** *H.K.Singh*, ***Experimental study of optimum tilt angle for solar PV Panel in Jaipur (Rajasthan), Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2013)195-98.***
158. A.Varshney, **PBL Chaurasia** and Hari Singh, Distillation of water by solar energy, National Conference on Nano Technological Vision-2020, Jaipur (2014)11.
159. Pawan kr Pandit, Shobhit Kumar, Hari Singh and **P.B.L.Chaurasia**, A study on PV system to optimize the output power using series parallel interconection under shadow condition, Nano Technological Vision-2020, Jaipur (2014)12.
160. Aurav Kumar, Pawan Kr. Pandit, Hari Singh and **P.B.L.Chaurasia**, Effect of tilt angle on solar Photovoltaic system, Nano Technological Vision-2020, Jaipur (2014)13.
161. Hardik Saxena, Abid Ali, Pradeepnath Mathur and **P.B.L.Chaurasia**, Study of colour effect on the Passive cooling of the buildings, Nano Technological Vision-2020, Jaipur (2014)13.
162. Surendra Choudhary, Pradeepnath Mathur and **P.B.L.Chaurasia**, Study on some parameters for the passive cool chamber for the preservation of vegetables, Nano Technological Vision-2020, Jaipur (2014)14
163. Sagar Bajpal, **P.B.L.Chaurasia** and Hari Singh, Solar Powered Irrigation Systems, National Conference on Nano Technological Vision-2020, Jaipur (2014)11.
164. Hardik Saxena, Abid Ali, Pradeepnath Mathur and **P.B.L.Chaurasia**, Study on cooling effect in the building by the solar panels installed for the solar power plant, Nano Technological Vision-2020, Jaipur (2014)15
165. Hardik Saxena, Pradeepnath Mathur and **P.B.L.Chaurasia**, Passive solar design-A case study, Nano Technological Vision-2020, Jaipur (2014)17.
166. N.K. Sharma, Hari Singh and **P.B.L.Chaurasia,** Energy and economic analysis of solar absorption cooling and heating system in different solar collector and climates, National Conference on Nano Technological Vision-2020, Jaipur (2014)10.
167. Jaspal Singh, **P.B.L.Chaurasia** and Hari Singh, Solar Dryer, National Conference on Nano Technological Vision-2020, Jaipur (2014)12.
168. R.K.Jain, **P.B.L.Chaurasia** and Hari Singh, Distillation of water by solar energy, National Conference on Nano Technological Vision-2020, Jaipur (2014)10.
169. *H Saxena*, ***PBL Chaurasia*** *and PN Mathur*, ***Use of micro climate and landscaping in passive cooling for conservation of buildings, Int. J. Emerging Technology and Advanced Engineering (IJETAE) ISSN 2250-2459, 4(2014)772-74.***
170. *S.Kumar and* ***P.B.L.Chaurasia, Experimental study on the effect of dust deposition on solar Photovoltaic panel in Jaipur (Rajasthan), Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2014)1690-93.***
171. *D.Bhargava,* ***P.B.L.Chaurasia, Effect of quantity in animal feed cooker, Int. Res. J. Mgmt. Sci. Tech.(IRJMS) ISSN-2250-1959, 5(2014)107-113.***
172. *S.P.Meena and* ***P.B.L.Chaurasia, Study of boost temperature in animal feed solar cooker, Res. J. Sci. Engg. Tech. (RJSET), 4(2014)110-115.***
173. *A.Kumar,* ***P.B.L.Chaurasia****, H.K.Singh, H.Singh and S.K.Singh,* ***Experimental and simulation on natural convection solar food dryer, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)987-996.***
174. *P.P.Pandit and* ***P.B.L.Chaurasia, Experimental study of shading effect on PV module and improvement in power using diode on series & parallel PV module, Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2014)1645-49.***
175. *G.K.Meena,* ***P.B.L.Chaurasia*** *and P.N.Mathur,* ***Passive cooling techniques of old building (Hawa Mahal), Int.J Advances in Engg & Scientific Res (IJAESR)ISSN 2349-3607, 4((2014)17-19.***
176. *H Singh,* ***P.B.L.Chaurasia****, A.Kumar, H.K.Singh and S.K.Singh,* ***Comparative study of solar drying of vegetables and spice materials with open sun drying, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)848-57.***
177. *P.K Tiwari and* ***P.B.L.Chaurasia, Experimental investigation on the effect of temperature variation on photovoltaic cell and efficiency improvement by water cooling, Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2014)1661-64.***

178. *S.K.Singh,* ***P.B.L.Chaurasia****, H.K.Singh, H.Singh and A.Kumar,* ***Study of design parameters of solar dryer for drying agriculture products, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)974-86.***
179. *K.K.Verma,* ***P.B.L.Chaurasia and R.C.Chipa****, Study of bio-gas production from wastes – cow dung & poultry waste, Int.J Advances in Engg & Scientific Res (IJAESR)ISSN 2349-4824, 4((2014)35-44.*
180. *A.Kumar, P.N.Mathur and* ***P.B.L.Chaurasia****, A study on the zero energy cool chamber forn the storage of food materials, Int. J. Mgmt Sci & Tech. (IRJMST))ISSN 2250-1959, 5((2014)65-69.*
181. *K.P.Verma,* ***P.B.L.Chaurasia and*** *P.N.Mathur,* ***Effect of temperature in cooking of animal feed by solar cooker, Int.J Enhanced Research in Science Technology & Engineering,(IJERSTE))ISSN 2319-7463, 5((2014)296-299.***
182. *U.Bansal,* ***P.B.L.Chaurasia*** *and H.Singh,* ***Effect of light concentration on the photovoltaic panel by the use of real time clock tracking system on mirror reflectors, Int.J Mechancial Engg & Information Tech. (IJMEIT) ISSN 2348-196x, 2(2014)849-51.***
183. *S.Tabrez and* ***P.B.L.Chaurasia****, A study on different materials used as insulation in solar passive cool chamber for loading of vegetables, Int. J. Engg. Tech. & Computer Res.(IJETCR) ISSN 2348-2117, 2((2014)74-81.*
184. *A.A..Nagra,* ***P.B.L.Chaurasia*** *and P.N.Mathur,* ***Passive cooling methods for energy efficient building colour effect, Int.J Advances in Engg & Scientific Res (IJAESR)ISSN 2349-3607, 4((2014)01-03.***
185. *D.Maheshwari,* ***P.B.L.Chaurasia*** *and H.Singh,* ***Effect of Inclination angle of still cover, water level of basin and change in working hours of stills on efficiency of horizontally sun facing pyramidal solar stills, , Int.J Mechancial Engg & Information Tech. (IJMEIT) ISSN 2348-196x, 2(2014)842-45.***
186. *V.Jain, R.C.Chippa,* ***P.B.L.Chaurasia****, H.KGupta and S.K.Singh,* ***A comparative experimental investigation of physical and chemical properties of sawdust and cattle manurebriquette, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)1514-1521.***
187. *M.D.Rukshad,* ***P.B.L.Chaurasia****, A.Kumar, H.Singh and M.D Alamgir,* ***Experimental study of forced convection solar dryer for food material, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)177-184.***
188. *M.Kumawat, R.C.Chippa and* ***P.B.L.Chaurasia, POpportunities for kitchen and garden waste by utilization eco-friendly additivest, Int.J Advances in Engg & Scientific Res (IJAESR)ISSN 2349-3607, 4((2014)83-91.***
189. *U.Bansal,* ***P.B.L.Chaurasia*** *and H.K.Singh,* ***Effect of on the photovoltaic panel by the use of real time clock tracking system on mirror reflectors, Int.J Mechancial Engg & Information Tech. (IJMEIT) ISSN 2348-196x, 2(2014)849-854.***
190. *T Srivastava,* ***P.B.L.Chaurasia*** *and H.K.Singh,* ***Experimental study to calculate fuel cost effectiveness for fabricated solar powered car over the gasoline fuelled vehicle and air pollution from road vehicles in urban India, Int. J. Sci. Engg & Technology (IJSET) ISSN 2348-4098, 2(2014)32-38.***
191. R.P.S.Kushwah and ***P.B.L.Chaurasia, Energy efficient buildings, Int. J. Sci. Res. Engg Tech. (IJSRET), ISSN 2278-0882, 4(2015)210-17.***
192. P.N.Mathur, A.K.Sinha and ***P.B.L.Chaurasia***, ***Why pre-stress concrete structure must be used instead of reinforced concrete structure today, Int. J. Engg. Tech. & Comp Sci. (IJETCR), ISSN 2348-2117, 3(2015)40-42.***
193. R.P.S. Kushawah, I.C.Sharma and ***P.B.L.Chaurasia***, ***Utilization of marble slurry in cement concrete replacing fine aggregate, American J. Engineering Research (AJER) ISSN 2320-0847, 4(2015)55-58.***
194. P.N.Mathur, A.K.Sinha and ***P.B.L.Chaurasia***, ***In pre-stressing system, development of mechanism, anchoring devices in pre and post tensioned concrete structures, Int. J. Enhanced Res. Sci. Tech. Engg (IJERSTE) ISSN 2319-7463, 4(2015)40-47.***
195. S.Kmuar, A.K.Arya, R.Parmar, C.Kumar, ***P.B.L.Chaurasia*** and H.K.Singh, ***A study on advance solar passive cool chamber (friz without electricity), Int. J. Sci. Res. Engg Tech. (IJSRET,) ISSN 2278-0882, 4(2015)201-09.***
196. R.S.Kushawah, and ***P.B.L.Chaurasia***, ***Green Energy and Green buildings, Int. J. Build. Mat. (IJBM), 3(7) (2015)69-73***
197. P.N.Mathur, A.K.Sinha and ***P.B.L.Chaurasia, The pre-stress concrete structure, found to be more effective then the reinforced concrete structure & system developed for mechanism of anchoring devices in pre & post tensioned concrete structural elements, Am.J Engg Res (AJER) e-ISSN 2320-0847 p-ISSN 2320-0936, 4(4)(2015)40-49.***

B. Fuel Cell Engineering

1. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, **Solar energy utilization through proton exchange membrane fuel cell" Proceedings 25th National Renewable Energy Convention, Energy Security - Role of Renewables, Hyderabad, India (2001)346-351.**
2. **P.B.L.Chaurasia**, Y.Ando and T.Tanaka, Fuel cell based on chemical reactions for solar energy utilization, 7th Grove fuel cell symposium, U.K. (2001)
3. **P.B.L.Chaurasia**, Y.Ando and T.Tanaka, Study on proton exchange membrane fuel cell, International Conference on Energy & Quality of life, Vadodara, India (2001).
4. **P.B.L.Chaurasia**, Y.Ando and T.Tanaka, Regenerative fuel cell for solar energy utilization, ISES-2001 Solar World Congress, Adelaide, Australia (2001).
5. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, **Fuel cell system for taping solar energy, Proceedings of International Conference on Recent Advances in Solar Energy Conversion Systems, MANIT, Bhopal (2002)215-219.**
6. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, **Utilization of solar energy based on fuel cell, Advances in Solar Energy Technologies, (Editors: R.Karva, P.C.Agarwal & S.N.Garg), Allied Publishers Pvt Ltd., New-Delhi (2002)83-97.**
7. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Study of materials for proton exchange membrane fuel cell for solar energy utilization, National Conference on Frontiers in Materials Science and Technology, Kharagpur, India (2002).
8. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Solar thermal fuel cell, National Seminar on Recent Advances in Renewable Energy Technology, Shivaji University, Kolhapur (2002).
9. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka**, Thermal fuel cell based on solar energy, Proceedings of International Conference on New-Millennium: Alternative Energy Solutions for Sustainable Development and NREC, Coimbotore (2003)323-327.**
10. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Fuel cell system for utilization of solar energy, International Conference on Fuel Cell, Engineering and Technology, Rochester, USA (2003).
11. ***P.B.L.Chaurasia,*** *Y.Ando and T.Tanaka****, Regenerative fuel cell with chemical reactions, International Journal of Energy Conversion & Management 44(2003)613-630.***
12. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, **Studies on fuel cell with different catalysts, Advances in Renewable Energy Technologies (Editors: Prof. S.H. Pawar and Dr. L. A. Ekal) Narosa Publishing House, New-Delhi (2003)180-186.**
13. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, **Regenerative fuel cell system for solar energy utilization, Energy Technologies for Sustainable Development (Editors:U.Pandel & M.P.Poonia), Prime Publishing House, Gaziabad, (2004)545-50.**
14. **P.B.L.Chaurasia**, Y.Ando and T. Tanaka, Solar thermal fuel cell to tap sun energy, Int. Conf. on Fuel cell Science & Technology-2004, Munich, German (2004) SA247.
15. **P.B.L.Chaurasia**, Y.Ando and T. Tanaka, PEM fuel cell for power generation, Symposium on converging Space Technologies for National Development & 24th ISRS Annual Convention, Jaipur (2004)234.
16. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Studies on PEM fuel cell for solar energy utilization, International Conference on Renewable Energy For a Suitable Future, Dunedin, New-Zealand (2005).
17. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Studies on PEM fuel cell for solar energy utilization, National Conference on Energy Management in Changing Business Scenario, BITS, Pilani (2005).
18. ***P.B.L.Chaurasia, Fuel cell based power generation – A new approach, Science Tech. Entrepreneur, 7(2006)1-8.***
19. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Solar power generation based on fuel cell system, National Conference on Innovations in Indian Science, Engineering and Technology, New-Delhi (2006)41-42.
20. **P.B.L.Chaurasia,** Y.Ando and T.Tanaka, Scope of solar power generation based on PEM fuel cell technology, National Conference on Development in Renewable Energy & Energy Management, Visakhapatnam (2006).
21. ***P.B.L.Chaurasia,*** *Y.Ando and T.Tanaka****, Investigation on Proton Exchange Membrane fuel cell for solar power generation, Int. J. Sustainable Energy, 26 (2007)107-119 (ISSN 1478-6451).***
22. PBL Chaurasia, **BG. Pollet and S. Du, Fuel cell technology – A future hope for solar power generation, Proceedings of National Conference on Applications of Nano-Technology, Jodhpur, India; Publishers: Technocrats, Jaipur, (2007)5-12.**

23. **P.B.L.Chaurasia**, B.G.Pollet and S.Du, Solar power generation based on PEM fuel cell technology-SOLARPEM, Paper presented in the 14th Annual Conference of Society of Chemical Science and Technology, University of Birmingham, U.K. (2007).
24. **P.B.L.Chaurasia**, B.G.Pollet and S.Du, Fuel cell technology–A future hope for solar power generation (Invited paper), National Conference on Applications of Nano-Technology, JERC, Jodhpur, India (2007).
25. **P.B.L.Chaurasia**, Y.Ando and T.Tanaka, PEM fuel cell system for solar energy utilization, National Conference on Energy Management in Marine & Engineering Applications, Pune (2007).
26. S.Du, B.G.Pollet and **P.B.L.Chaurasia**, Recent advances in Nano-techniques for SOFCs and PEMFCs, paper presented in the 14th Annual Conference of Society of Chemical Science and Technology, University of Birmingham, U.K. (2007).
27. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, Scope of fuel cell for solar power generation, Invited plenary paper presented in the Conference on Green revolution and sustainable development: CHEMCON 2008, Punjab University, Chandigarh, India, December (2008)57.
28. **PBL Chaurasia**, K.Kendall, W.Bujalski, S.Du and B G Pollet, PEM fuel cell for solar power generation using low temperature heat, paper presented in the "National Energy Management Exhibition: NEMEX-2008", NEC, Birmingham, UK (2008).
29. **P.B.L. Chaurasia**, K.Kendall, W.Bujalski, S.Du and B G Pollet, A promising future for solar power generation based on fuel cell, paper presented in the Conference on Hydrogen and Fuel Cells, NEC, Birmingham, UK (2008).
30. S.Du, K.Kendall, W.Bujalski, B G Pollet and **PBL Chaurasia**, Catalysts with novel nanostructures for PEM fuel cells, paper presented in the Conference "National Energy Management Exhibition: NEMEX-2008" at NEC, Birmingham, UK (2008).
31. **PBL Chaurasia**, Could chemical solar power beat photovoltaic, News appeared on the American Website: www.ecogeek.org on 13.08.2008: EcoGeek - Technology for the Environment (2008).
32. ***PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, **Influence of temperature on V-I characteristics for solar power generation based on chemical method using fuel cell, Int. J. Chemical Sciences 7(2009) 1893-1904.***
33. **PBL Chaurasia**, P.Shekhar, C.Pande, S.Basu, R.Saini and K. Kendall, **Fuel cell and its scope for solar power generation, Renewable Energy – Macmillan Advanced Research Series, Publishers: MACMILLAN Publishers India Ltd, Delhi. ISBN 10:0230-32809-1(2009)131-140**.
34. **P.B.L.Chaurasia,** Fuel Cells: A promising hydrogen technology, Souvenir, Int. Conf. on Nurturing Arid Zones for People and Environment, Jodhpur Jodhpur (2009)29-32.
35. **PBL Chaurasia**, K.Kendall, W.Bujalski, P. Anderson, S.Du, B G Pollet, Raj Saini and I. Evans, Study of PEM fuel cell for solar power generation, paper presented in the Sustainability Live-2009: Reducing, NEC, Birmingham, UK (2009).
36. **P.B.L.Chaurasia,** K. Kendall, W. Bujalski, S. Du and B.G Pollet, Fuel Cells based solar power generation; A new approach: Paper presented in the Int. Conf. on Nurturing Arid Zones for People and Environment, Jodhpur (2009)239-240.
37. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, Roll of PEM fuel cell for solar power generation - A promising technology, Invited paper presented in All India Seminar on Emerging Trends in Electronics and Telecommunication : Vision 2020, JIET, (2009).
38. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, **Solar power generation based on fuel cell: A new-technique, Proceedings of Advances on materials and Devices for Renewable Energy Sources, Jaipur, India IT4(2010)21-30.**
39. N.Panja, **P.B.L.Chaurasia** and K.Kendall, A method for generation of hydrogen from the low temperature photo-voltaic splitting of iso-propanol and its possible use in PEM fuel cell, paper presented in the Int. Conf. on Hydrogen Energy, NEC, Birmingham, U.K. (2010).
40. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, N.Panja, Novel technique for solar power generation based on PEM fuel cell, 17th Annual Conference CSCST-UK on Chemical Science & Technology towards a Low Carbon Society, Oxford, U.K. (2010)
41. ***PBL Chaurasia**, N.Panja and K. Kendall, **Performance study of power density in PEM fuel cell for power generation from solar energy, Int. J. Renewable Energy, 36(2011)3305-12.***
42. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet and N.Panja, Solar power generation based on fuel cell technique – Upcoming new technology, Paper presented in the International Conference Renewable Energy-2012, Eternal University, Himachal Pradesh, India (2012)11.

43. ***PBL Chaurasia**, P.Shekhar, S.Basu, N.Panja and K. Kendall, **Investigations on power density from proton exchange membrane fuel cell for power generation from solar energy, Journal of .Material Science and Engineering with Advanced Technology (Scientific Advances Publishers) 5(2012)17-37.***
44. **PBL Chaurasia**, K. Kendall, W. Bujalski, S. Du and B.G Pollet, Solar Power generation based on fuel cell – Upcoming new technology, Invited paper presented in the Green Session, Convention on Climate Change and Water (C3W-2012), Gyan Vihar University, Jaipur (2012)19.
45. **PBL Chaurasia**, K. Kendall, S. Du and B.G Pollet, Solar Power generation based on chemical method, Invited paper presented in the Green Energy Session, Convention on Climate Change and Water (C3W-2013), Gyan Vihar University, Jaipur (2013)58-59.
46. **PBL Chaurasia**, K. Kendall, S. Du and B.G Pollet, Role of fuel cell for solar power generation (Key Note Address), International Conference on Convergence of Technologies & Management–CTM-2014, Gyan Vihar University, Jaipur (2014).
47. **PBL Chaurasia**, Solar energy utilization in the society: Role of Nano-catalytic electrodes for solar power generation using fuel cell (Key Note Address),National Conference on Nano-Technologygical vision-2020 (NCNTV-2020), Regional College for Education, Research & Technology (2014).
48. *Akanksha and **P.B.L.Chaurasia, Home gas by hydrogen fuel cell, Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2014)2090-93.***
49. *S Saurabh and **P.B.L.Chaurasia, Efficient welding torch by hydrogen fuel cell system, Int. J. Science & Research (IJSR) ISSN-2319-7064, 3(2014)2241-44.***

C. Heat Transfer

1. ***P.B.L.Chaurasia,** and S.K. Sharma**, The sun and its energy, Scientia 13(1972)69-74.***
2. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari**, Prediction of effective thermal conductivity of two-phase porous media by nomograms, International Journal of Applied Chemistry & Biotechnology, 24(1974) 437-445.***
3. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari, **Measurement of effective specific heat of packed bed materials by the continuous flow electrical method, Journal of Pramana, 3(1974)383-389.***
4. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari**, Estimation of effective thermal conductivity of porous media, Journal of Pure & Applied Physics, 12(1974)663-667.***
5. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari, **Specific heat of Rajasthan desert sand from 280°K to 500°K , Journal Defence Science, 25(1975)149-153.***
6. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari**, Thermal conductivity of suspensions and emulsions materials, International J. Applied Chemistry & Biotechnology, 25(1975)881-890.***
7. **P.B.L.Chaurasia**, D.R.Chaudhary and R.C.Bhandari, Thermal conductivity of two-phase porous materials, Annual Session of National Academic Science, Rajkot, India (1976).
8. **P.B.L.Chaurasia**, D.R.Chaudhary and R.C.Bhandari, Thermal conductivity of two-phase powder materials, Annual Session of National Academic of Science, New-Delhi, India (1977).
9. ***P.B.L.Chaurasia,** D.R.Chaudhary and R.C.Bhandari, **Effective thermal conductivity of two- phase systems, Journal of Pure & Applied Physics, 16(1978)963-967.***
10. **P.B.L.Chaurasia**, D.R.Chaudhary and R.C.Bhandari, Average thermal conductivity of two-phase systems, Annual Session of National Academic of Science, Bhopal, India (1978).
11. **P.B.L.Chaurasia**, D.R.Chaudhary and R.C.Bhandari, Thermal conductivity of powder materials, Annual Session of National Academic of Science, Gahauti, India (1979).

D. Reports

1. **P.B.L.Chaurasia**, Report on "Power generation from solar energy based PEM fuel cell" submitted to:
   i) University of Birmingham, U.K. (2009).
   ii) European Commission, Belgium (2009).
   iii) Indian Council of Agricultural Research, Delhi, India (2009).

2. **P.B.L.Chaurasia**, Report on Solar energy utilization technology through chemical reactions (Fuel cell system) submitted to:

i) Japan Science Technology, Japan (2000)
ii) Indian Council of Agricultural Research, Delhi, India (2000).

3. **P.B.L.Chaurasia**, Solar energy developments in Europe as applicable for India, Reports submitted to
   i) International Scientific Corporation, Commission of European Communities, Brussels, Belgium (1994)
   ii) Indian Council of Agricultural Research, Delhi, India (1994).
   iii) Department of Science & Technology, Government of India, Delhi, India (1994).

4. **P.B.L.Chaurasia**, Detailed technical report on improved solar candle making machine, Report submitted to National Research Development Corporation of India, Delhi, India (1889).

5. **P.B.L.Chaurasia**, Energy potential and energy requirements in entire rural area of Silora block of Rajasthan, Report submitted to National Academy of Agricultural Research and Management, Hyderabad, India (1980).

Note

(i) **Papers published in the journals are marked in italics.**

(ii) **Papers published in proceedings are marked in bold.**

E. Conferences/Seminars/Workshops organized by Dr. P.B.L.Chaurasia

1. Seminar on "Intellectual Property & Innovation Management in Knowledge ERA (IPIM-2011) during December 2011.
   (Jointly Organized in collaboration with National Research Development Corporation of India, New-Delhi)

   Status during Seminar: Principal of Vyas Engineering College, Jodhpur and Organizing Secretary of the Seminar
   Venue: Vyas Engineering College, Jodhpur, India

2. National Convention on Climate Change and Water (C3W-2012) during 10-12 October 2012.

   Status during Convention: Dean-Engineering, Suresh Gyan Vihar University, Jaipur and Convener of the Green Energy Convention.
   Venue: Suresh Gyan Vihar University, Jaipur

3. National Workshop on "Outcome Based Accreditation Progress & Parameters for Evaluators, Stakeholders & Training of Master Trainers" during 18-19 Feb.-2013.
   (Jointly organized with National Board of Accreditation, Delhi)

   Status during Workshop: Dean-Engineering, Suresh Gyan Vihar University, Jaipur and Organizing Secretary of the Workshop.
   Venue: Suresh Gyan Vihar University, Jaipur

4. National Convention on Climate Change and Water (C3W-2013) during 18-19 October 2013.

   Status during Convention: Dean-Engineering, Suresh Gyan Vihar University, Jaipur and Convener of the Green Energy Convention.
   Venue: Suresh Gyan Vihar University, Jaipur

5. Workshop on MATLAB for Engineering Research (MFER-2013) during February 2013.

   Status during Workshop: Dean-Engineering, Suresh Gyan Vihar University, Jaipur and Convener of the Workshop.
   Venue: Suresh Gyan Vihar University, Jaipur

6. International Conference on Convergence Technologies Management(CTM-2014) during April 2014.

   Status during Conference: Dean-Engineering & Director, Centre of Excellence, Solar Energy Research & Utilization, Suresh Gyan Vihar University, Jaipur and Convener of the International Conference.
   Venue: Suresh Gyan Vihar University, Jaipur

7. National Conference on in Electrical, Electronics and Renewable Energy Techniques (IEERET-2014) during 3-4 Nov. 2014.
   Status during Conference: Dean-Engineering & Director, Centre of Excellence, Solar Energy Research & Utilization, Suresh Gyan Vihar University, Jaipur and Convener of the National Conference.
   Venue: Suresh Gyan Vihar University, Jaipur