

Dr. S. D. Pandey
Director (Engineering)



KNIPSS, Faculty of Engineering
Faridipur, Sultanpur
E-mail: directorengg@kngi.ac.in
Office No: 05362-253535
Mob. No.: 9415444436

[A] List of Publications in International Journals:

- Shive Dayal Pandey, V.K.Nema, “**An Experimental Investigation of Energy loss reduction in corrugated plate heat exchanger**”, Energy, 2011; 36(5): 2997-300 (Elsevier science).
- Shive Dayal Pandey, V.K.Nema “**Experimental investigation of heat transfer and friction factor in a corrugated plate heat exchanger**”, International J. of Energy and environment, 2011; 2: 287-296.
- Shive Dayal Pandey, V.K.Nema “**Investigation of the Performance Parameters of an Experimental Plate Heat Exchanger in Single Phase Flow**”, International J. of Energy and engineering, Scientific & Academic Publishing, USA, 2011; 1(1): 19-24.
- Shive Dayal Pandey, V.K.Nema, “**Analysis of Heat Transfer, Friction Factor and Exergy Loss in Plate Heat Exchanger Using Fluent**”, Energy and Power, Scientific & Academic Publishing, USA, 2011; 1(1): 6-13
- Shive Dayal Pandey, V.K.Nema “**Experimental analysis of heat transfer and friction factor of nanofluid as coolant in a corrugated plate heat exchanger**”, International J. of Experimental and Thermal fluid sciences, 2012; 38(4): 248-256 (Elsevier science).

[B] List of Papers Presented/Published at International Conferences:

- Shive Dayal Pandey, V.K.Nema, M.K.Das., “**Modeling and Exergy loss reduction in PHEs of typical surface configuration -A review**” International Conference on

Issues and Challenges in Energy Conversion and Management (ICEM-2009), organized by Department of Mechanical Engineering, IT-B.H.U., Varanasi-5(India), Narosa publishing corporation, New Delhi, pp 541-554, Dec. 18-20, 2009.

- Shive Dayal Pandey, V.K.Nema, “**Optimization of energy loss in plate heat exchangers of typical surface configurations**” 2nd International Conference on Engineering Optimization (EngOpt), **Lisbon, Portugal**, 6 - 9 September, 2010.
- Shive Dayal Pandey, V.K.Nema, “**Investigation of the performance parameters of experimental plate heat exchanger**” Fourth International Conference on Fluid Mechanics and Fluid Power (FMFP-2010), IIT, Madras, Chennai, India, 16-18 December, 2010.
- Shive Dayal Pandey, V.K.Nema, “**Energy Analysis of a Corrugated Plate Heat Exchanger Using CFD Software**” ICRE 2011; International Conference on Renewable Energy (ICRE 2011) Organized by Centre for Non-Conventional Energy Resources, University of Rajasthan, 17 – 21 January, 2011.
- Shive Dayal Pandey, V.K.Nema, “**Reduction of Production Cost of a Pharmaceutical/Dairy Industry**” International conference on Emerging Indian Economy: Opportunity and challenges (Research Id: ICBBS/145), BBS Group of institutions, Allahabad, U.P, 11-12 February, 2012.
- Shive Dayal Pandey, V.K.Nema, S.K.Shukla, “**Experimental investigation on convective heat transfer and friction factor in corrugated heat exchanger using Al_2O_3 / water nanofluid**” ASME International Gas Turbine Institute “**ASME Turbo Expo-2013**” San Antonio Convention Centre, **San Antonio, Texas, USA**, 03-07th June 2013, (Accepted).

[C] List of Papers Presented/Published at National Conferences:

- Shive Dayal Pandey, V.K.Nema, “**Rating of an Experimental Plate Heat Exchanger**” AMEECE-2010; Department of Mechanical Engineering, HBTI, Kanpur, 3-4 April, 2010, pp 70-75.
- Shive Dayal Pandey, V.K.Nema, “**Heat transfer enhancement in corrugated plate heat exchanger using nanoparticle suspension (nanofluids) as coolant**” National Symposium on ‘Nanomaterial in Engineering and Technology’ HMFA, MIET,

Hadia, Allahabad-221503.Sponsored by Center of Advance Study, Deptt. of Metallurgical Engineering, I.T., B.H.U.,Varanasi-221005, 19-20 Feb., 2011.

- Shive Dayal Pandey, V.K.Nema, “**Investigation of Heat transfer and friction factor in corrugated plate heat exchanger using nanofluids as coolant**” National Symposium on ‘Nanomaterial in Engineering and Technology’ HMFA, MIET, Hadia, Allahabad-221503.Sponsored by Center of Advance Study, Deptt. of Metallurgical Engineering, I.T., B.H.U.,Varanasi-221005, 19-20 Feb., 2011.
- Shive Dayal Pandey, S.S.Mondal, “**An Overview of Power Generation Systems Based on Modern Gas Turbine Technology**” Energy: The future Scenario; Jointly organized by Department of Mechanical Engg., IT,BHU,Varanasi and The Institution of Engineers(India), 20-22 March, 2007.
- Shive Dayal Pandey, S.S.Mondal, “**Energy and Exergy analysis of a typical Steam Injected Gas Turbine**” NCRER-2008; Department of Mechanical Engineering, BBSCET,Allahabad, Jan. 19-20, 2008.

[D] **Topics of the papers reviewed for international Journals (As a reviewer)**

- “Experimental investigation on convective heat transfer and friction factor in shell and helically coiled tube heat exchanger using Al_2O_3 / water nanofluid”, J. of Chemical Engineering & Technology, Wiley-VCH Verlag GmbH & Co. KGaA Boschstraße 12 D-69469 Weinheim, Germany, Manuscript ID: ceat.201200167, dated 01st April, 2012.
- “Study on Forced Convection type Solar Tunnel Dryer for Industrial Applications”, Journal of Petroleum Technology and Alternative Fuel, Manuscript ID: JPTAF-11-021, dated 13th May 2011.
- “Effect of Radiation on Convective Flow in a Tilted Solar Collector Filled with Water-Alumina Nanofluid” International Journal of Engineering, Science and Technology. Vol. x, No. x, 2012, pp. xx-xx, dated 25th June, 2012.

- “Experimental study of falling film thermal performance on an oriented baffled heat exchange plate” J. of Chemical Engineering & Technology, Wiley-VCH Verlag GmbH & Co. KGaA Boschstraße 12 D-69469 Weinheim, Germany, Manuscript ID: ceat.201200704, dated 14th Dec, 2012.

[E] SEMINAR/WORKSHOP ORGANIZED:

- Organized a one day National Workshop on “**Clean Energy Technologies**” on 27th October’ 2010 in BBS College of Engineering and Technology, Allahabad. Sponsored by AICTE, New Delhi, Deptt. of Mechanical Engineering, IT, BHU, Varanasi (U.P) India and BJCL, Gujarat.
- Organized an International Conference on “**Emerging Indian Economy: Opportunity and challenges**” on February 11-12, 2012 in BBS Group of Institutions, Allahabad.

[F] SHORT TERM COURSES ATTENDED:

- Attended QIP Short term course on “Industrial applications of Turbomachines” & “Advance Engineering Polymers” at **Indian Institute of Technology, Guwahati-781038**, during Nov. 26-30,2007 and from Dec 3-7,2007.
- Attended Short term course on “Computational Thermal and Fluid Sciences and its Engineering Applications” at the **Department of Mechanical Engineering IT-BHU, Varanasi-5**, during 25th to 30th May 2009.