

## ANNEXURE – 1

1. Prof. (Dr.) Bharat Raj Singh

### **A) Papers Published in International Journals**

- 1) Singh B.R. & Singh Onkar -"Development of a vaned type novel Air Turbine"- *The International Journal of Mechanical Engineering Science*, London, UK , Proc. IMechE, Part C:December 2008,JMES993, ISSN 0954-4062; (Received 21 December 2007 and accepted for publication 3 June 2008), Vol. 222 Number 12, pp. 2419-2426 DOI:10.1243/09544062JMES993.
- 2) Singh B.R. & Singh Onkar -"Parametric Evaluations of Injection Angles and Vane Angles on Performance of a Vaned Type Novel Air Turbine"- *International Journal of Engineering and Natural Sciences*, World Academy of Science, Engineering and Technology, Turkey,IJENS-pISSN:2010-4006;eISSN:2010-4014, Vol.3 Number 4(37), 2009, pp. 217-224.
- 3) Singh B.R. & Singh Onkar -"Optimization of Power Output of a Vaned Type Novel Air Turbine With Respect to Different Injection Angles"-*International Journal of Mechanical Engineering*, Darya Ganj New Delhi-110002(India), IJME-ISSN:0974-5823;(Received October 24, 2009 and accepted December 10, 2009), Vol.2, Number 2, July-Dec 2009, pp. 205-211.
- 4) Singh B.R. & Singh Onkar -"Numerical Analysis of Pressure Admission Angle to Vane Angle Ratios on Performance of a Vaned Type Novel Air Turbine"- *International Journal of Engineering and Applied Sciences*, World Academy of Science, Engineering and Technology, Turkey,IJEAS-pISSN:2010-3980; eISSN-2010-3999, Vol.6 Number 2(14), 2010, pp. 94-101.
- 5) Singh B.R. & Singh Onkar -"Theoretical Investigations on Different Casing and Rotor Diameters Ratio to Optimize Shaft Output of a Vaned Type Air Turbine"- *International Journal of Engineering and Applied Sciences*, World Academy of Science, Engineering and Technology, Turkey, IJEAS-pISSN:2010-3980; eISSN:2010-3999, Vol.6 Number 2(15), 2010, pp. 102-109.
- 6) Singh B.R. & Singh Onkar -"Effect of Rotor to Casing Ratios with Different Rotor Vanes on Performance of Shaft Output of a Vane Type Novel Air Turbine"- *International Journal of Engineering and Applied Sciences*, World Academy of Science, Engineering and Technology, Turkey,IJEAS-pISSN:2010-3980; eISSN:2010-3999, Vol.6, Number 4(33), 2010, pp. 133-138.
- 7) Singh B.R. & Singh Onkar -"Effect of Different Vane Angle on Rotor - Casing Diameter Ratios to Optimize the Shaft Output of a Vaned Type Novel Air Turbine"- *International Journal of Engineering Science and Technology*, Chennai, India-IJSET-ISSN: 0975-5462; Vol.2, Number 3(2), 2010, pp. 114-121.

- 8) Singh B.R. & Singh Onkar -"Study of Effect of Injection Angle to Rotor-Casing Diameter Ratios on Performance of a Vaned Type Novel Air Turbine"- *International Journal of Engineering Science and Technology*, Chennai, India-IJSET-ISSN-0975-5462, Vol.2, Number 4(10), 2010, pp. 409-416.
- 9) Singh B.R. & Singh Onkar -"Critical Effect of Rotor Vanes with Different Injection Angles on Performance of a Vaned Type Novel Air Turbine"- *International Journal of Engineering and Technology*, Chennai, India, IJET-ISSN: 0975-4024, Vol. 2 Number 2(28), 2010, pp. 118-123.
- 10) Singh B.R. & Singh Onkar -"Study of Influence of Vane Angle on Shaft Output of a Multi Vane Air Turbine"- *International Journal of Renewable and Sustainable Energy*, AIP, New York, USA.ISSN:1941-7012;(The manuscript received on October 24, 2009, accepted April 09, 2010, and Published on May 6, 2010 ), Vol.2 Number 3, 2010, pp. 033101-16; DOI:10.1063/1.3424712.
- 11) Singh B.R. & Singh Onkar -"Analytical Investigations on Different Air Injection Angles to Optimize Power Output of a Vaned Type Air Turbine"- *The International Journal of Mechanical Engineering Science*, Westminster, London- SW1H 9JJ, UK, Proc. of IMechE, Part A: JPE-837, ISSN: 0957-6509; (The manuscript was received 11th June 2009 and accepted for publication 7th October' 2009), Vol. 224, Number 3, 2010, pp. 305-312. DOI: 10.1243/09576509JPE837.
- 12) Singh B.R. & Singh Onkar -"Study of Effect of Rotor Vanes to Rotor-Casing Dimensions on Performance of a Zero Pollution Vane Type Novel Air Turbine"- *International Journal of the Physical Sciences*, 5170-00200, Nairobi-73023 Victoria Island, Lagos, ISSN: 1992-1950; (The manuscript IJPS-10-038 was received on February 01, 2010 and accepted on April 28, 2010)- Vol.5(5), 2010, pp. 547-556.
- 13) Singh B.R. & Singh Onkar -"Study of Influence of Different Rotor to Casing Diameter Ratios with Optimal Vane and Injection Angles on Shaft Output of a Multi-Vane Air Turbine"- *International Journal of Energy & Power*, Inventi Journals Pvt. Ltd., SDX 33, Minal Residency, JK Road, BHOPAL, 462023, MP, India, ISSN: 229-7774; (The manuscript EEP-10-03 was accepted on September 15, 2010)- Vol.1(1), 2010, eep003.
- 14) Singh B.R. & Singh Onkar -"Performance Investigations for Power Output of a Vaned Type Novel Air Turbine"-MIT- *International Journal of Mechanical Engineering*, Moradabad, India, ISSN :2230-7699; (Accepted: Dec. 17, 2010 Published: Jan 11, 2011), Vol.1(1), 2011, pp 9-16 .
- 15) Singh B.R. & Singh Onkar -"Study of The Influence of Vane Angle On Shaft Output of a Multivane Air Turbine (II. Different rotor to casing diameter ratios with optimal injection angle)"- *International Journal of Renewable and Sustainable Energy*, AIP, New York, USA, ISSN:1941-7012; (The Manuscript was received on Oct 10, 2010, accepted on April 7, 2011 and published on May 24, 2011); Vol.3, Number 3, 2011, pp. 033102-17 DOI: 10.1063/1.3583647.
- 16) Singh B.R. & Singh Onkar -"Analysis of the effect of rotor-to-casing diameter ratio on the power output of a vaned-type air turbine (Part-II)"- *Research Journal of Applied Sciences, Engineering and Technology*, Maxwell Scientific Publishing,74 Kenelm Road,

B10 9AJ, Birmingham Small Heath, UK, ISSN:2040-7459; (The Manuscript received on March 11, 2011, accepted on April 16, 2011 and published on May 25, 2011) Vol.3(5), 2011, pp. 415-425.

- 17) Singh B.R. & Singh Onkar -"Study of Performance of Shaft output with Rotor-to-Casing Ratios versus Different Vane Angles Adopting Practical Approach on a Novel Multi-Vane Air Turbine"-*The Global Journal of Researches in Engineering-A:Mechanical Mechanics Engineering(GJRE-A)*,Cambridge Office Center II Canal Park, Floor No. 5th,Cambridge (Massachusetts),Pin: MA 02141, United States; (The Manuscript submitted July 15, 2011 and accepted Aug 01, 2011)- GJRE(A), Vol.11(5), 2011, pp 1-8.
- 18) Singh B.R. & Singh Onkar -"Compressed Air Energy Storage System Based Engine for Running Light Vehicle"- *International Journal of Energy and Environmental Engineering*, No. 173, Sepahbod Gharani Ave., Tehran, Iran; (The Manuscript submitted July 26, 2011 and accepted Oct 31, 2011), ISSN: 2008-9163, Vol.2, No.4, pp.33-44 / Fall 2011, MS:IJEEE/903-56 .
- 19) Singh B.R. & Singh Onkar -"Study of Compressed Air Storage System as Clean Potential Energy for 21st Century"-The Global Journal of Researches in Engineering-A:Mechanical Mechanics Engineering(GJRE-A), Cambridge Office Center II Canal Park, Floor No. 5th,Cambridge (Massachusetts), Pin: MA 02141, United States; (The Manuscript submitted Dec 03, 2011 and accepted Dec 16, 2011)- GJRE(A), Vol.12(1), 2012, -pp 21-33.
- 20) Singh B.R. & Singh Onkar -"Study of influence optimal injection and vane angles on power output of a multi vane air turbine"- *International Journal of Rotating Machinery*, Hindwi Publishing Corporation, New York; (Received 5 October 2011; Revised 12 March 2012; Accepted 15 March 2012), ISSN: 1023-621X (Print), Volume 2012 (2012), Article ID 578745, 10 pages; DOI:10.1155/2012/578745.
- 21) Singh B.R. & Singh Onkar- "Impact of Two Wheeled Vehicle's on Global Warming and its Remedial Design"- *International Journal of Mechanic Systems Engineering (IJMSE)*, The World Academic Publishing Co., Limited, Unit 1105, 11/F., Tower 1, Lippo Centre, No. 89 Queensway, Admiralty, Hong Kong; (Submitted March 05, 2012, Published May 05, 2012), Vol. 2 (2), 2012, pp 12-18; pub date May 25, 2012.
- 22) Singh B.R., Yadav J.P. & Singh Onkar -"Power Enhancement of Gas Turbine Plant By Intake Air Fog Cooling"- *International Journal of Energy and Environmental Engineering*, No. 173, Sepahbod Gharani Ave., Tehran, Iran; (The Manuscript submitted Jan 02,2011)-under review, MS:IJEEE/405861
- 23) Singh Bharat Raj and Singh Onkar, (2011), *Influence of the Air Engine on Global Warming Issues - 21st Century Fuel Technology , The Impact of Air Pollution on Health, Economy, Environment and Agricultural Sources*, Dr. Mbhamed Khallaf (Ed.), ISBN: 978-953-307-528-0; University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 30 Aug 2011, DOI:10.5772/16708.
- 24) Singh Bharat Raj and Singh Onkar, (2012), *Global Trends of Fossil Fuel Reserves and Climate Change in the 21st Century*, Book-Fossil Fuel and The Environment, Dr.

- Shahriar Khan (Ed.), ISBN 979953-307-561-6, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 14 March 2012, DOI: 10.5772/2315.
- 25) Singh Bharat Raj and Singh Onkar, (2012), Study of Impacts of Global Warming on Climate Change: Rise in Sea Level and Disaster Frequency, Dr. Bharat Raj Singh (Ed.), ISBN:979-953-307-820-4, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 19 September 2012, DOI:10.5772/50464.
  - 26) Singh Bharat Raj, Cheng Karl and Cheng Alan, (2012), Impact of Uses of 3 Dimensional Electronics IC Devices and Computing Systems on the Power Consumptions and Global Warming Issues, Dr. Bharat Raj Singh (Ed.), ISBN:979-953-307-820-4, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 19 September 2012, DOI: 10.5772/52230.
  - 27) Singh Bharat Raj and Singh Onkar, (2012), Study of Impacts on Climate Change: Glacier Melting and Growing Crises, Book-Climate Change: Realities, Impacts Over Ice Cap, Sea Level and Risks, Dr. Bharat Raj Singh (Ed.), ISBN:980-953-307-489-9, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 16 January 2013 DOI: 10.5772/3459.
  - 28) Singh B.R., & Singh Onkar -"Influence of Rotor to Casing Ratios with Different Rotor Vanes on Performance of Shaft Output of a Multivane Type Novel Air Turbine" - International Journal of Research in Engineering and Advanced Technology (IJREAT),, ISSN:2320-8791, Vol.1 Issue 2 April-May 2013.
  - 29) Singh B.R., & Singh Onkar -"A Future Technology of Automobile Engine That Runs on Compressed Air as a Fuel" - IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),, Special Issue-RDME2013, eISSN:2278-1684 and pISSN:2320-334X, Vol.6 Issue 2 April 2013.
  - 30) Singh B.R., & Singh Manoj -"Chaos, Complexity and Synchronization in Dynamical System Using Bond Graph" - SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHIJPSET)-An International Journal, ISSN2229-7111, Vol.4(1)-2013-pp 15-24.
  - 31) Singh B.R., & Singh Manoj -"Dynamic Modeling, Theory and Application Using Bond Graph" - SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHIJPSET)-An International Journal, ISSN:2229-7111, Vol.4(1)-2013-pp 25-36.
  - 32) Singh Bharat Raj and Singh Onkar, (2011), Influence of the Air Engine on Global Warming Issues - 21st Century Fuel Technology, The Impact of Air Pollution on Health, Economy, Environment and Agricultural Sources, Dr. Mbhamed Khallaf (Ed.), ISBN: 978-953-307-528-0; University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 30 Aug 2011, DOI:10.5772/16708.
  - 33) Singh Bharat Raj and Singh Onkar, (2012), Global Trends of Fossil Fuel Reserves and Climate Change in the 21st Century, Book-Fossil Fuel and The Environment, Dr. Shahriar Khan (Ed.), ISBN 979-953-307-561-6, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 14 March 2012, DOI: 10.5772/2315.

- 34) Singh Bharat Raj and Singh Onkar, (2012), Study of Impacts of Global Warming on Climate Change: Rise in Sea Level and Disaster Frequency, Dr. Bharat Raj Singh (Ed.), ISBN:979-953-307-820-4, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 19 September 2012, DOI:10.5772/50464.
- 35) Singh Bharat Raj, Cheng Karl and Cheng Alan, (2012), Impact of Uses of 3 Dimensional Electronics IC Devices and Computing Systems on the Power Consumptions and Global Warming Issues, Dr. Bharat Raj Singh (Ed.), ISBN:979-953-307-820-4, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 19 September 2012, DOI: 10.5772/52230.
- 36) Singh Bharat Raj and Singh Onkar, (2012), Study of Impacts on Climate Change: Glacier Melting and Growing Crises, Book-Climate Change: Realities, Impacts Over Ice Cap, Sea Level and Risks, Dr. Bharat Raj Singh (Ed.), ISBN:980-953-307-489-9, University Campus, STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia, 16 January 2013 DOI: 10.5772/3459.
- 37) Singh B. R., & Singh Onkar -"Influence of Rotor to Casing Ratios with Different Rotor Vanes on Performance of Shaft Output of a Multivane Type Novel Air Turbine" - International Journal of Research in Engineering and Advanced Technology (IJREAT), ISSN:2320-8791, Vol.1 Issue 2 April-May 2013.
- 38) Singh B. R., & Singh Onkar -"A Future Technology of Automobile Engine That Runs on Compressed Air as a Fuel" - IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),, Special Issue RDME2013, eISSN:2278-1684 and pISSN:2320-334X, Vol.6 Issue 2 April 2013.
- 39) Singh B. R., & Singh Manoj -"Chaos, Complexity and Synchronization in Dynamical System Using Bond Graph" -SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHIJPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v4i1.1542; Vol.4(1)-2013 -pp 15-24.
- 40) Singh B. R., & Singh Manoj -"Dynamic Modeling, Theory and Application Using Bond Graph" -SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v4i1.1543; Vol.4(1)-2013 -pp 25-36.
- 41) Singh Bharat Raj, & Singh Onkar -"The Melting of Glaciers Cannot Be Reversed With Global Warming" Chapter 7 of the book published by Cengage Learning, USA - Titled:'Can Glacier and Ice Melt Be Reversed?'an under-graduate book on Environment in USA curriculum-1st ed; launched on Feb 21, 2014, pp 56-63.
- 42) Singh Bharat Raj, & Singh Manoj Kumar -"Sustainable Renewable Energy Development in India Through Ministry of Non- Conventional Energy Sources" - SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN:2229111, DOI:10.18090/samriddhi.v5i1.1515; Vol.5(1)-2014 -pp 35-38.
- 43) Singh Bharat Raj, & Singh Onkar -"Scenarios of Global Warming and its Proposed Worldwide Action Plan" -SAMRIDDHI- Journal of Physical Sciences, Engineering &

Technology (SAMRIDDHI-JPSET) - An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i1.1516; Vol.5(1)-2014-pp 39-46.

- 44) Singh Bharat Raj, & Singh Manoj Kumar -"Modeling of Future Sea Level Rise Through Melting Glaciers" - SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i1.1517; Vol.5(1)-2014-pp 47-56.
- 45) Singh Bharat Raj, & Yadav JP -"Experimental Set up of Air Conditioning System in Automobile Using Exhaust Energy"-SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN:2229-7111, DOI:10.18090/samriddhi.v5i1.1520; Vol.5(1)-2014 -pp 71-80.
- 46) Singh Bharat Raj, & Singh Manoj Kumar -"National Mission for Climate Change Using Clean Development Mechanics" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN:2229-7111, DOI:10.18090/samriddhi.v5i1.1521; Vol.5(1)-2014 -pp 81-84.
- 47) Singh Bharat Raj, & Singh Manoj Kumar -"Flood Warnings and Recent Disaster at Uttarakhand" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i1.1522; Vol.5(1)-2014 -pp 85-88.
- 48) Singh Bharat Raj, & Singh Manoj Kumar -" A Revolution for Architecture and Photovoltaics Zero Energy Buildings: A New Opportunity and Challenge for Technology Based Design" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i1.1523; Vol.5(1)-2014 -pp 89-96.
- 49) Singh Bharat Raj, & Singh Manoj Kumar -"Novel Cruise Speed Highway Charging of Electric Vehicles in India" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i2.1527; Vol.5(2)-2014-pp 115-118.
- 50) Singh Bharat Raj, & Singh Manoj Kumar -"Financing and Creating Energy Infrastructure for Small Cities" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN:2229-7111, DOI:10.18090/samriddhi.v5i2.1529; Vol.5(2)-2014-pp 123-130.
- 51) Singh Bharat Raj, & Singh Manoj Kumar -"Observation and Temperature Changes : Warming of The Climate System and Future of Global Warming in 21st Century" -\_SAMRIDDHI- Journal of Physical Sciences, Engineering & Technology (SAMRIDDHI-JPSET)-An International Journal, ISSN2229-7111, DOI:10.18090/samriddhi.v5i2.1531; Vol.5(2)-2014-pp 137-142.
- 52) Singh Bharat Raj, & Singh Onkar -"Study of the Influence of Vane Angle on Shaft Output of a Multivane Air Turbine: III-Optimization of power at different vane angles corresponding to angles at which pressurised air enters the turbine"-\_International Journal of Mechanic Systems Engineering (IJMSE)-An International

Journal, ISSN:2225-7403(Print); ISSN:2226-6461(Online), Vol.4 Issue 4,(Nov 2014), pp 47-54; Download Manuscript: IJMSE1065\_.

**B). Papers Published in National Journals:**

1. Singh B. R. & Singh Onkar - Recent Trends towards Manufacturing of Smart Automobile Vehicles - *National Journal of Science, Engineering and Management*, SITM, Barabanki, India, ISSN: 0974-4258, December 2007, Vol.1, pp. 23-27.
2. Singh B.R. & Singh Onkar - Parametric Evaluation of Vane Angle on Performance of Novel Air Turbine"- *National Journal of Science, Engineering and Management*, SITM, Barabanki, India, ISSN: 0974-4258, December 2008, Vol.2, pp. 7-18.
3. Singh B. R. & Singh Onkar - Analytical Evaluations of Shaft Output on Different Rotor to Casing Diameter Ratios at Optimal Value of Vane and Injection Angles for a Multi-Vane Air Turbine - *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jan-June 2010, Vol.1, Issue 1, pp. 17-25.
4. Singh B. R. & Singh G.D. - Innovative Teaching Techniques for Improving Academic Performance - Key to Transform Excellent Engineers- *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; July-Dec 2010, Vol.1, Issue 2, pp. 79-83.
5. Singh B. R., Singh M.K. & Yadav S. - Emerging Trends in Energy Management - *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; July-Dec 2010, Vol.1, Issue 2, pp. 85-90.
6. Singh B. R. & Yadav J.P. - Study and Fabrication of Compressed Air Engine - *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jan-Jun 2011, Vol.2, Issue 1, pp. 01-08.
7. Singh B. R., Singh M.K. & Yadav Sunil - Information and Communication Technology - *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jan-Jun 2011, Vol.2, Issue 1, pp. 59-62.
8. Singh B. R., Yadav Sunil & Singh M.K. - Effect of Unconventional Machining on Surface Roughness of Metal: Aluminum and Brass - A Case Study of Abrasive Flow - *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jan-Jun 2011, Vol.2, Issue 1, pp. 63-71.
9. Singh B. R., & Yadav J.P. - "Study on Comparison of Boiler Efficiency Using Husk and Coal as Fuel in Rice Mill"- *SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology*, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jul-Dec 2011, Vol.2, Issue 2, pp. 01-16.

10. Singh B. R., & Yadav J.P. -"Study on Performance Evaluation of Automotive Radiator"- SAMRIDDHI-A Journal of Physical Sciences Engineering and Technology, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jul-Dec 2011, Vol.2,Issue 2, pp. 47-56.
11. Singh B. R., & Yadav J.P. -"Study on Future Prospects of Power Generation by Bagasse, Rice Husk and Municipal Waste in Uttar Pradesh"- SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jul-Dec 2011, Vol.2,Issue 2, pp. 63-76.
12. Singh B. R., Yadav J.P. & Singh Onkar - "Power Enhancement of Gas Turbine Plant by Intake Air Fog Cooling"- SAMRIDDHI-A Journal of Physical Sciences, Engineering and Technology, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jan-Jun 2012, Vol.3,Issue 1, pp. 45-58.
13. Singh B. R., & Singh Onkar - "Compressed Air as a Clean Energy Source for Vehicles"- SAMRIDDHI-A Journal of Physical Sciences Engineering and Technology, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jul-Dec 2012, Vol.3,Issue 2, pp. 59-64.
14. Singh B. R., & Verma Rakesh - "Study of Fluidized Bed Drying Method Used For Safe Storage of Rice And Its Analysis"- SAMRIDDHI-A Journal of Physical Sciences Engineering and Technology, SMS Institute of Technology, Lucknow, India, ISSN: 2229-7111; Jul-Dec 2012, Vol.3,Issue 2, pp. 99-106.

**C). Conferences, Seminars and Symposium:**

1. Singh B.R. & Singh Onkar - Study of Compressed Air as an alternative to fossil fuel for Automobile engines - International Conference on Challenges and Strategies for Sustainable Energy Deficiency and Environment - held on 10-11th June'2006 at UPTU, Lucknow, UP - Proceedings pp 179-191.
2. Singh B.R. & Singh Onkar - Necessity & Potential for Biodiesel use in India - International Conference on Bio-Fuels Vision 2015" held on 13-15th Oct'2006 at College of Engg., Bikaner, Rajasthan - Proceedings pp 71-89.
3. Singh B.R. & Singh Onkar - Recent Trends towards Manufacturing of Smart Automobile Vehicles -National Seminar on Intelligent Technologies in Mechanical & Automotive Engg. held on 5-6th Janury'2007 at ITM, Gurgaon, Haryana - Proceedings pp 43-51.
4. Singh B.R. & Singh Onkar, The Need of Modern Approach in Manufacturing Processes for Automobile Engines, National Conference on Recent Trends in Manufacturing Technology held on 24-25th January'2007 at HCST, AGRA, UP - Proceedings pp 54-58.
5. Singh B.R., Singh D.P. & Singh Onkar - Recent Trend towards Use of Manufacturing Automation in the Automobile Industry -National Conference on Advancement of Technologies-Global Scenario held on 25-26th February'2007 at GLAITM, Mathura, UP - Proceedings pp 275-282.



6. Singh B.R. & Singh Onkar - Use of Non-Conventional Energy for Sustainability to Fossil Fuel - National Conference on Recent Trend on Mechanical Engineering "RAME-2007" held on 28-29th March'2007 at Baba Sahab Dr. Bhim Rao Ambedkar College of Agricultural Engg. & Technology, Etawah, UP - Proceedings pp 130-136.
7. Singh B.R. & Singh Onkar - Uses of Wind Power as a Non-Conventional / Renewable Energy for Sustainability - National Conference on State of Art Technology in Mechanical Engineering "STEM-2007" held on October 29-31, 2007 at College of Technology, G.B. Pant University, Pant Nagar, Uttaranchal-Pradesh - Proceedings pp 503-515.
8. Singh B.R. & Singh Onkar - Concept for Development of a Vaned Type Novel Air Turbine -12<sup>th</sup> International Symposium on Transport Phenomena and Dynamics of Rotating Machinery (ISROMAC-12)" held on February 17-22, 2008 at Pacific Center Of Thermal-Fluids Engineering, Sheraton Mohana Surfriider Hotel Honolulu, Hawaii, USA-Paper No. ISROMAC-12-20046.
9. Singh B.R. & Singh Onkar - Optimal Uses of Wind Energy leading towards a Novel Renewable Source for Future Sustainability - ASME2008 2nd Conference on Energy Sustainability - held on August 10-14, 2008 at Jacksonville, Florida USA - Paper No.- ES2008-54011.
10. Singh B.R. & Singh Onkar - Energy Storage System to meet Challenges of 21<sup>st</sup> Century-an Overview - All India Seminar on Energy Management in Indian Perspective - held on October 17-19, 2008 at Institution of Engineer (India), State Centre, Engineer's Bhawan, Lucknow - Proceedings Chapter-15, pp 157-167.
11. Singh B.R. & Singh Onkar - A Study on Sustainable Energy Sources & its Conversion Systems towards Development of an Efficient Zero Pollution Novel Turbine to be Used as Prime-mover to the Light Vehicle - 2008 ASME International Mechanical Engineering Congress & Exposition(IMECE-2008)- held on October 31-November 6, 2008 at Boston, Massachusetts,, USA-Paper No. IMECE -2008 -66803,ASME, Vol.8 (2008) pp 371-378 DOI:10.1115/IMECE2008-66803.
12. Singh B.R. & Singh Onkar - A Study to Optimize The Output of Vaned Type Novel Air Turbine - 4<sup>th</sup> International Conference on Energy Research & Development (ICERD-4)- held on November 17-19, 2008 at State of Kuwait, KUWAIT-Paper No. ICERD-4-1353.
13. Singh B.R. & Singh Onkar - Numerical Investigations on Performance of Vaned Type Novel Air Turbine, National Conference on Advances in Mechanical Engineering, - held on Feb'28th to March'1st, 2009 at MIT, Moradabad, UP, India-Proceedings pp 158-169.
14. Singh B.R. & Singh Onkar - Analytical Study on a Vaned Type Novel Air Turbine at Different Conditions of Casing & Rotor Diameters, 2009 ASME 3rd International Conference on Energy Sustainability- held on July, 17-19,2009 at Westin St. Francis Hotel, San Fransisco, California, USA-Paper No. ES2009-90207ASME, Vol.1 (2009) pp 699-706 DOI: 10.1115/ES2009-90207.

15. Singh B.R. & Singh Onkar -Applications of Compressed Air as an Alternative Energy to meet Challenges of 21st Century- Global Warming, Engineering Congress on Alternative Energy Applications (EC2009-Kuwait)- held on November 2-6,2009 at Kuwait-Paper No. EC2009-1082.Doordarshan National News telecasted on 18-01-2010 at 7:00 PM.
16. Singh B.R. & Singh Onkar - Compressed Air Energy Storage Power Plant and its Feasibility in India- An Overview National Conference on Advances in Management of Energy Efficiency and Clean Environment (AMEECE2010-Kanpur)- held on April 3-4,2010 at HBTI, Kanpur, India-Proceeding of National conference pp 55-61.
17. Singh B.R. & Singh G.D. - Innovative Teaching Technique for Improving Academic Performance – Key to Transform Excellent Engineers, National Conference on Technical Education: opportunities & Challenges in Contemporary Scenario - held on October 8-9, 2010 at OP Jindal Institute of Technology, Raipur, Chhattisgarh.
18. Singh B.R. & Singh Onkar - 21st Century Challenges Of Clean Energy and Global Warming-Can Energy Storage Systems Meet These Issues?, 3rd International Conference on Thermal Issues in Emerging Technologies: Theory & Applications, (ThETA 3-030)-held on Dec 19-22nd 2010 at Sofitel Elgezirah, Cairo, Egypt - IEEE Proceeding ISBN: 978-1-61284-268-4; 2010,pp 323-329.
19. Singh B.R. & Singh Onkar - Energy Storage System as a Future Alternative Fuel for Transport Sector to Address Global Warming Issues, Clean Energy Technologies and Energy Efficiency for Sustainable Development (ENERSTATE 2010) - held on December 27-29,2010 at C/O Uttarakhand Technical University, Government Girls Polytechnic Post Office, Chandanwadi, Prem Nagar Sudhowala, Dehradun (Uttarakhand).
20. Singh B.R. & Singh M.K. - Globalization of Financing Higher Education Challenges and Opportunities, The XII International Seminar on "Globalization of Higher Education" held on January 4-5, 2011 at New Delhi, India.
21. Singh B.R. & Singh Onkar - Could Compressed Air Storage System Become 21st Century Clean Potential Energy? 2011 ASME-5th International Conference on Energy Sustainability (ESFuelCell2011-54601) - held on August 7-10, 2011 at Grand Hyatt, Washington DC.
22. Singh B.R. & Singh Onkar - Impact of Emissions on Global Warming by Two Wheeled Vehicle's and its Remedial Measures, 5th International Conference on Global Warming and Business - held on January 20-24, 2012 at the Kings Palace Hotel, City of Westminster, London SW1Y 4, UK.
23. Singh B.R. & Singh Onkar - Global Scenario of Two Wheeled Vehicle's Emission and its Emerging Future Technology, National Conference on Advances in Mechanical Engineering & Emerging Technologies - to be held on April 7-8, 2012 at Kamla Nehru Institute of Technology, Sultanpur-228118, UP, India.

24. Singh B.R. -"A Talk on Air Engine: The Technology That Can Curb Global Warming Issues" National Technology Day held on May 11, 2012 at The Institution of Engineers (India), State Centre, River Bank Colony, Lucknow-226001, UP, India.
25. Singh B.R. & Singh Manoj Kumar -"Chaos, Complexity and Synchronization in Dynamical System Using Bond Graph"- ASME 2012 International Mechanical Engineering Congress & Exposition (IMECE-2012)- held on November 09-15, 2012 at Houston, Texas, USA -Paper No. IMECE2012-85144.
26. Singh B.R. & Singh Manoj Kumar -"Dynamic Modeling, Theory and Application Using Bond Graph "- ASME 2012 International Mechanical Engineering Congress & Exposition (IMECE-2012)- held on November 09-15, 2012 at Houston, Texas, USA - Paper No. IMECE2012-85065.
27. Singh B.R. & Singh Manoj Kumar -"Modeling and Simulation of Dynamic Half Car Using Bond Graph"- ICAM International Conference on Agile Manufacturing Systems (ICAM-2012) - held on December 16-19, 2012 at Mechanical Engg. Dept., IIT-BHU, Varanasi, India - ICAM2012-IIT-BHU.
28. Singh B.R. & Singh Manoj Kumar -"Evolving Role of Value- Based Higher Education in India"- International Conference on "Leadership and Management Through Spiritual Wisdom" - held on 22nd-24th Feb. 2013 at SMS, Varanasi, India - ICON2013.
29. Singh B.R. & Singh Manoj Kumar -"A Study for Building Segmented Energy Infrastructure and its Financing Propositions to the Indian Cities"- National Conference on Challenges & Opportunities for Technological Innovation in India held on 16th Feb. 2013 at AIMT, Lucknow, India - COTII2013.
30. Singh B.R. & Singh Onkar -"A Future Technology of Automobile Engine That Runs on Compressed Air as a Fuel"- National Conference on Recent Developments in Mechanical Engineering [RDME-2013] April 26-27, 2013- held on 26-27th Apr. 2013 at ME Society College of Engg. Pune, India - RDME2013.

2. Prof. (Dr.) Raghuvir Kumar

### **In International Journals:**

(A) Engineering Fracture Mechanics:

- Influence of Stress Ratio and Material Properties on Effective Stress Range Ratio' and Crack Growth, Vol. 32, No.2 1989, pp. 195-202.
- Effect of Pre-strain on Material and Single Tensile overload cycles on Crack Closure, Vo 1.32, No.5, 1989, pp 833-843.
- Effect of Yield Strength and Single Tensile Overload Cycles on Stress Range Ratio in 6016- T6, Al-alloy, Vo1.34, and No.2 1989, pp. 403-412.
- An investigation on the Influence of High-Low and Low - High Amplitude Block Loading on Fatigue Crack Growth, Vol. 38, 1991, pp. 225-230.

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- Review on crack closure for constant amplitude loading in fatigue, Volume 42, Issue 2, May 1992, Pages 389-400
- Prediction of Delay Cycles due to Instant of Single Overload Cycles, Vol. 42, No.3, 1992, pp. 563-571.
- Influence of Stress Ratio on Fatigue Crack Growth in Mild Steel, Vol. 50, No.3 pp. 377-348, 1995.
- Effect of Rest Time after Application Single Overload Cycle on Fatigue Life, Vol. 54, pp. 147-153, 1996.

**(B) The International Journal of Pressure Vessels and Piping:**

- Influence of applied Stress Ratio on Fatigue Crack Growth in 6063 - T6 Al alloy, Vol. 20, 1985, pp 65 - 76.
- Effect of Stress Ratio on Effective Stress Range Ratio and Crack Growth in 6061-T6, Al alloy, Vol. 35, 1988, pp 351 - 361.
- Study of Crack Closures Under constant Amplitude Loading for 6063 - T6, Al alloy, Vol. 33, 1988, pp 373 - 384.
- Study of Crack Closures and Intermediate Tensile Overload Cycle for 6063 - T6, Al alloy, Vo1.36, pp 111-123.
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- A study of Effective Stress Range Ratio in Programmed Loading Vol. 37, 1989, pp331-343.
- Effect of Periodic Bands of Overload and Crack Closures. Vol. 38, 1989, pp 27 -37.
- Effect of Yield Stress and Stress Ratio on / Fatigue Crack Closures in 6063 - T6 Al alloy, Vol. 38, 1989, pp 293 - 307.
- Experimental Observation of Crack Propagation on 6063 - T6 Al alloy under Constant Amplitude Loading, Vol.42, 1990, pp 293 - 307.
- Investigation of Fatigue Crack Growth under Constant Amplitude Loading, Vol. 41, No.2 1990. Pp 179 - 192.
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- Investigation of Yield Strength and Single Cycle Overload on Crack Closure, Vol. 51, 1992, pp 329 - 348.
- Study of fatigue Crack Growth IS-1020 Steel under constant Amplitude Loading, Vol. 52, 1991, pp23-25.
- Investigation of Fatigue Crack Growth under Single Cycle Peak Overload in I S 1920 Steel, Vol. 53, 1992, pp 23 - 25.
- Experimental Observation of Fatigue Crack Growth in IS - 1020 steel under constant Amplitude Loading. Vol. 53, 1993, pp 217- 227.
- Some Formulas for Effective Stress Range Ratio used in Crack Growth of 6063-T6 Al alloy, Vol. 57, 1994, pp 311- 319.

- Stresses due to flow past a circular cylinder, Volume 60, Pages 37-48, 1994.
- Stress and Deformation due to flow past a circular cylinder by Computer and Structures, Vol. 55, pp 205 - 210, 1995.
- Analysis of Stresses due to flow past of circular cylinder by Numerical Technique, Vol. 62. pp 147 - 152, 1995
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**(C) Other Referred journals and Technical papers:**

- Study of Fatigue Crack Growth under constant Amplitude Loading. JOM: The Member Journal of TMS, Volume 49, August 1997.
- Investigation of Yield Strength and Single Cycle Overload on Crack Closure. Metallurgy and Metallography Properties of metals and Alloys Technical Paper series, Defense Technical Information Center (DTIC)'s, department of defense, USA, 1992.
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- Multi response optimization of Electro-Discharge Diamond Face Grinding Process using robust design of experiments, Paper Published in Materials and Manufacturing Processes 25, (2010), 1 – 6.
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- Robust Parameter Design and Multi-Objective Optimization of Electro-Discharge Diamond Face Grinding of HSS, Paper Published in International Journal of Machining and Machinability of Materials 11(1), (2012), 1 – 19.
- Modeling and Optimization of Electro-Discharge Diamond Face Grinding of Cemented Carbide-Cobalt Composite, Paper Published in International Journal of Industrial and System Engineering 12(2), (2012) pp.141 - 164.
- Experimental study and parameter optimization of electro-discharge diamond face grinding, Paper Published in International Journal of Abrasive Technology 4, (2011), 14 – 40.
- Parameter design, Regression modeling and Optimization of Electro-discharge diamond face grinding process, Submitted in International Journal of Engineering System Modeling and Simulation (IJESMS).
- Study of the Parameters in Electro-Discharge Diamond Face Grinding Through Response Surface Methodology Approach. Applied Mechanics and Materials 110-116, (2012), 847 – 855.
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#### **(D) Research Papers in International Conferences:**

- Research on fatigue Crack Growth, International Conference on Fracture, December 4 10, 1984, New Delhi, India.
- Effect of periodic Bands of Tensile Overload on Fatigue life, International Conference and Exhibition of Fatigue Cracking, Fracture, Mechanics and Fatigue Analysis, December, 2 - 6, 1985, Salt Lake city, Utah, U.S.A.
- Effect on Instant Frequency of Overload in Fatigue Life presented in International Conference on Engineering Materials and Structure, September 15- 19, 1986, Sheffield, U. K.
- Investigation of Fatigue Crack Growth under constant Amplitude loading. Presented in International Conference on Mechanics of Solid and Structure September 1 - 13, 1991, Nanyang Technological University Singapore.
- Study of Fatigue Crack Growth under constant Amplitude Loading, Published in International Conference pipes and pressure Vessels. 1 - 2 Feb., 1996, Singapore.
- A Study of Fatigue Crack Growth 5052 Aluminium-Alloy under Constant-Amplitude Loading. Fourth Int'l Very High Cycle Fatigue Conference (VHCF-4) University of Michigan in Ann Arbor, Michigan, August 19-22, 2007.
- Experimental Observation of fatigue Crack Growth after a single Cycle Peak Overload in 5052 Aluminum Alloy, 2nd Indo-Swiss Bonding International Conference, Sikkim Manipal Institute of Technology, Sikkim, 11-13 Feb 2010.
- Application of Taguchi Method in the optimization of machining parameters for material removal rate in Electro-discharge diamond face grinding, Proceedings of the International conference on Advances in mechanical and building sciences in the 3rd millennium (ICAMB2009), VIT UNIVERSITY, VELLORE, December 14-16, 2009, pp. 880-884.
- Multi- objective optimization of Electro-Discharge Diamond Face Grinding Process based on the Taguchi methodology, Proceedings of the International conference on Advances in mechanical Engineering (ICAME-2010) at Sardar Vallabhbhai National Institute of Technology, Surat, January 4-6, 2010, pp. 727-731.
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- Study of the parameters in Electro-Discharge diamond face grinding through response surface methodology approach, Proceedings of the 2nd International Conference on Mechanical, Industrial and Manufacturing Technologies (MIMT-2011) at Singapore, February 26 – 28, 2011 Vol.1, pp. 637-642.

#### **In National Conferences/Journals:**

- Application of Taguchi Method for Parametric Design during Electro-Discharge Diamond Face Grinding, Proceedings of the National Conference on Recent Advances in manufacturing Technology and Management (RAMTM) Jadavpur University, Kolkata, February 19 - 20, 2010, pp. 236-241.

- Optimal parameter design for Electro-discharge diamond face grinding using the Taguchi method, Proceedings of the National conference on Recent Advances in Manufacturing (RAM-2010), at Sardar Vallabhbhai National Institute of Technology, Surat, July 19-21, 2010, pp. 108 – 113.

**(F) Research Reports:**

- First report of Fatigue Crack Closing and Opening under Random Loading, Presented in the AR & DB Conferences, Projects No.300 March 23 - 24, 1983, I. I. T. New Delhi.
- Second report of Fatigue Crack Closing and Opening under Random Loading, Presented in the AR & DB Conferences, Projects No. 300, March 23- 24, National Aeronautical Laboratory, Bangalore, INDIA.
- Third (Final) Report of Fatigue Crack Closing and Opening under Random Loading, Presented in the AR & DB Conferences, Projects No. 300, April 9 -10,1985 Nasik, INDIA.

3. Dr. Manindra Kr. Srivastava

**In International Journals:**

- Association between Age-Groups, Sex and Japanese Encephalitis cases; International e-Journal of Mathematics and Engineering 63 (2010) 625 – 630.
- Global Threat HIV/Aids: Burden, Trends And Hope, Samriddhi Vol 6(1),2014,P13-20.
- A Deterministic Model for HIV Infection incorporating Identification Rate in a Heterosexual Population: Mathematical Analysis, African Journal of Mathematics and Computer Science Research Vol. 5(11), 15 ,2012,179-192.
- Association between Age-Groups and Japanese Encephalitis cases in Sant kabir Nagar (U. P. ), Antarctica J. Math. , 9(7)(2012), 625-629 .
- Relative Importance of Infection Parameters of HIV Infection in Heterosexual Population incorporating Maturation rates: A Model Antarctica J. Math., 9 (2012), 631-651.

**In National Conferences/Journals:**

- Impact of Sexual Maturation on the Transmission Dynamics of HIV Infection in a Heterogeneous Community: A Model and Its Qualitative Analysis, JNANABHA, journal of Applied Mathematical Sciences and Technology, published by Vijnana Parishad of India, Vol. 41,(2012).
- Basic Idea of Mathematical Modellings in Epidemiology, RJMLB: A Multidisciplinary Research Journal, Volume: I, No.2, 2015, 187-192.
- Modeling the Effects of Infected Immigrants and Partial Failure of Controlling Strategies for HIV Positives in AIDS Epidemic, JNANABHA, Vol.44, 2014.

#### 4. Dr. Rajesh Kumar

##### **In International Journals:**

- A rare supramolecular assembly (stairs) of (cyclic tellurane) 1, 3-dihydro-2,4-benzotellurole-2,2-diyldicinnamate  $[C_8H_8Te(OCOCH=CHC_6H_5)_2]$  based on intermolecular and intramolecular Te---O secondary bonds and assisted by C-H---O hydrogen bonds. 358, (2005), 27-232. Inorg. Chim. Acta (International Journal) ISSN/ISBN No. 0020-1693
- Telluranes: potential synthons for charge –transfer complexes (involving hypervalent Te-I bonds) and the first triphenyl methyl phosphonium salts containing  $[C_4H_8TeI_4]^{2-}$  and  $[TeI_6]^{2-}$  anions 689, (2004), 194. J. Organometal. Chem. (International Journal) ISSN/ISBN No. 0022-328X
- Molecular Aggregates, Zig-Zag 2D- stairs, Ribbons and 3D Supramolecular networks of cyclic telluranes assisted by intermolecular Te---Cl and Te---Br secondary bonding. Polyhedron (International Journal) ISSN/ISBN No. 0277-5387
- Octameric molecular aggregates of cyclic tellurane ( $C_5H_{10}TeCl_2$ ) assisted by Te---Cl secondary bonds and long Cl---Cl contacts. 43A,. (2004), 2558-2562. Ind. J. Chem. (International Journal) ISSN/ISBN No. 0376-4710
- Synthesis, spectral and structural characterisation of ditelluroxanes:  $\mu_{oxo}$ -bis [nitrate;2,4,6-trinitrophenolato-dialkyl tellurium (IV)] " 692 (2007) 2482. J. Organomet. Chem. (International Journal) ISSN/ISBN No. 0022-328X.
- Synthesis and characterisation of bis (ferrocenylcarboxylato) telluranes: 85 (2007) 534. Can. J. Chem. (International Journal) ISSN/ISBN No. 0008-4042.
- X-ray characterization of the first Te-C bond cleaved products obtained in the reactions of organo (heterocyclic) tellurium (IV) derivatives. 27 (2008) 835. **Polyhedron** (International Journal) **ISSN/ISBN No. 0277-5387.**

##### **In National Conferences/Journals:**

- Synthesis, spectroscopic and single crystal X-ray structural characterization of hexameric supramolecular assemblies of dimethyl tellurium bis (p-amino benzoate) involving intermolecular Te---O secondary bonds, N-H---O hydrogen bonds and long C-H---Te contacts. Proceedings of the National Academy of Sciences, India (National Journal) ISSN/ISBN No. 036998203.
- Modification of supramolecular assemblies based on  $C_4H_7(CH_3)Te$  heterocycle and cooperative participation of Intermolecular 1---1, Te---I, Te---O secondary bonds ; C(sp<sup>3</sup>)H- --O and C(sp<sup>2</sup>)H---O Hydrogen Bonds 18(2007)223. Struct.Chem. (National Journal).

#### 5. Dr. Rachna Kumari

- A Paper titled "A study of FDI and Indian tourism development, published in Bihar Research Journal, and International Refereed Journal, Pages 233 to 239, ISSN-0975-4228 (2013).



- A Paper titled "The growth of Infrastructure during 11<sup>th</sup> plan period of Bihar" published in shodhkriya a multidisciplinary refereed quarterly research journal, 110 to 113, December 2013, ISSN 2319-7447.
- A Paper titled "Bihar Prant mein krishi ki sthiti: Bhojpur janpad ke sandarbh mein" published in shodhkriya a multidisciplinary refereed quarterly research journal 20 to 24 March- June 2014.

## **6. Mr. Dheeraj Kumar**

### **In International Journals:**

- Presented a paper titled "Mechanical characterization of Treated Bamboo Natural Fiber Composite" at 4th International Conferenœ On "Advances in Mechanical, Material, Manufacturing, Automobile, Aeronautical Engineering and Applied Physics" (AMAEAP-2014) Organized by "Krishi Sanskriti" at JNU New Delhi on 7th & 8th June 2014.
- Presented a paper titled " Natural Disaster and Disaster Management: An Overview" at International Seminar on Sources of Planet Energy, Environmental and Disaster Science (SPEEDS-2014) organized by School of Management Sciences, Technical Campus, Lucknow, U.P. on 1st & 2nd November 2014.
- A paper titled "Mechanical Characterization of Treated Bamboo Natural Fiber Composite" is published in International Journal of Advanced Mechanical Engineering (IJAME). ISSN 2250-3234 PRINT, Volume- 4, Number- 5, June (2014), pp. 551-556.
- A paper titled "Characterization of Tensile Properties of Treated Bamboo Natural Fiber Polymer Composite" is published in International Journal of Mechanical Engineering & Technology (IJMET). ISSN 0976-6340 PRINT & ISSN 09766359 ONLINE, Volume- 5, Issue- 4, April (2014), pp. 110-115, with an impact factor of 7.5377.
- A paper titled "Mechanical characterization of Treated Pine Leaf Natural Fiber Polymer Composite: A Review" is Published in International Journal of Mechanical Engineering Research (IJMER). ISSN 2249-0019 Volume- 3, Number- 2 (2013), pp. 127-133.
- A paper titled "Effect of Biodiesel on CI Engine Performance, Emissions and Durability: A Review" is Published in SAMRIDDHI an International Journal – a Journal of Physical Sciences, Engineering & Technology. ISSN 2229-7111 Volume- 6, Number- 3 (2015).
- A Paper titled "Characterization of Tensile Properties of Treated Pine Leaf Natural Fibre Polymer Composite" is accepted for International Journal of Advanced Research in Mechanical and Production Engineering and Development.

### **In National Conferences/Journals:**

- Presented a paper titled "Characterization of Surface Hardness of Treated Bamboo

Natural Fibre Polymer Composite" at "National Conference on Innovations in Materials, Design and Manufacturing" on 27 & 28 March 2015 Organized by HBTI Kanpur.

## **7. Ms. Smita Singh**

### **In International Journals:**

- A Paper titled "Comparative Study of Analysis on Masonry Infill Walls", is accepted for International Journal of Engineering and Innovative Technology, volume 2, Issue 11, November 2014
- A Paper titled "Alternate and low cost construction material: Rice Husk Ash (RHA)", is accepted for International Journal of Innovative Research in Advanced Engineering, Volume 1, Issue 6, July 2014.
- A Paper titled "Low cost construction material for concrete as Sawdust", is accepted for International Journal of Current Engineering and Technology, vol. 4, No. 5 (Oct 2014).

## **8. Mrs. Sujata Sinha**

### **In International Journals:**

- Issues and Challenges facing higher education sector in India published in International Journal of Applied Services Marketing Perspectives ISSN: 2279-0977 (PRINT) ISSN: 2279-0985 (ONLINE) IF-2012: 3.23, IF-2013: 5.057
- Non Verbal Communication - Published in Convergence, IISE.
- Teaching Skills for English as Second language focusing on the People Process and Product for ELTAI Conference at Chennai on 19/Feb/2008.

### **In National Conferences/Journals:**

- 'Employability & the Skills Gap' sent to Nagindas Institute Bombay in Jan 2011.
- A case study on Behaviour Modification of Student through Mentoring sent to Case Study Conference at Sri Mata Vaishno Devi University on April 24 2015
- Commodification of English - 11 Feb 2008 at Nagpur Univ.
- 'Promoting Social Inclusion through ICT' in the National Seminar at Jhunjhunwala Institute in Faizabad in Feb 2009.
- 'Promoting Social Inclusion through Micro Finance and Micro Insurance' at IIC 2009 Jaipuria (Nov).

## 9. Mr. Gaurav Ojha

### In International Journals:

- A paper titled "Optimization Technique For Surface Roughness Prediction In Turning Operation –Literature Review" is published in International Journal for innovation in engineering science and management (IJIEM). ISSN 2347-7911 PRINT, Volume- 2, Number- 5, MAY (2014),
- A paper titled "An Artificial Neural Network Model Development For Prediction Of Surface Roughness" is published in International Journal for innovation in engineering science and management (IJIEM). ISSN 2347-7911 PRINT, Volume- 2, Number- 7, JULY (2014),
- A paper titled "Weld Quality Prediction Using Artificial Intelligence Technique" is published in SAMRIDDHI ISSN S-JPSET : ISSN : 2229-7111, Vol. 6, Issue 2.
- A paper titled "Wind Energy – A Potential Solution to Global Warming" is published in SAMRIDDHI.

## 10. Mrs. Neeta Bhusal Sharma

### In International Journals:

- A review on impact of mobility model of protocols in Ad-hoc network, In ISTP journal of research in Electrical & Electronics Engineering. (ISTP-JREEE) (IOC&SEM-2014).

## 11. Prof. (Dr.) Manoj Mehrotra

### Papers Published in International Journals:

- "Emerging Challenges in Sales Management in the 21<sup>st</sup> century", in *Business Review – International Journal of GSBA*, Noida, June 2005 issue.
- "Rural Marketing: Challenges, Strategies and Learning's", in *Business Review – International Journal in Business of GSBA*, Noida, April, 2007 issue.
- "Issues in Global Brand Management", in *Business Review – International Journal in Business of GSBA*, Noida, May, 2008 issue.

### Papers Published in National Journals:

- "Customer Care – Formula for Competitiveness in the 21<sup>st</sup> Century", in *Management Today*, Vol. 5, issue 1, February 2005, Journal of Sherwood College of Management, Lucknow.
- "Customer Care" in *Synergy – I.T.S Journal of IT & Management*, Ghaziabad, Vol.3, No.2, July 2005.
- "Online Management Education in India: Issues & Strategies"; and published in *Soch – Mastnath Journal of Science & Technology*, Rohtak, Vol.1, issue 1, March 2006.

- "A Perspective of Challenges in Services Marketing", in the Journal *Galgotia's Busi-Tech Review*, Vol 1. No. 1 Jan - June 2006 issue.
- "Online Management Education in a Globalised World" in JIM QUEST – Journal of Management & Technology of Jai puria Institute of Management, Ghaziabad, Vol. 1, Issue 2, July 2006.
- "CRM .... and Beyond" published in *Synergy – I.T.S Journal of IT & Management*, Ghaziabad, Vol.5, No.2, July 2007.
- "Creating Success Formula to Excel in Rural Markets", in *Adhyayan – A Journal of Management Sciences of SMS Lucknow*, Vol.1-No 1, July 2011.
- "Emerging Characteristics and Trends of MNC's in India", in *Adhyayan – A Journal of Management Sciences of SMS Lucknow*, Vol 3-No.1, June 2013.

### **Papers presented in National Conferences**

- Research Paper "*Online Management Education in India: Issues & Strategies*" accepted in National Seminar on Role of Private Sector in Higher Education held at Commerce Department, DAV College, Fari dabad on the 28<sup>th</sup> and 29<sup>th</sup> of March 2006.
- Research Paper on "*CRM .....and Beyond*" presented in National Conference on India's Emergence as a Global Hub: The March Ahead" organized by I.T.S Ghaziabad, on the 16<sup>th</sup> & 17<sup>th</sup> of March 2007.
- Paper on "*Promotion of Small Scale Enterprises*", presented in the AICTE sponsored National Seminar on Micro Solutions for Macro Issues: Role of Micro-finance and Small Scale Enterprises in the Indian Economy at I.T.S Ghaziabad on 1<sup>st</sup> December 2007 and published in the compendium released on the occasion.
- **Awarded Best Paper** presented on "*Creating Success Formula to Excel in Rural Markets*" at Vidya Business School, Meerut at the AICTE sponsored National Seminar on Rural Markets in India on 19-21<sup>st</sup> Feb 2009.
- Paper titled "*The Challenge of Reviving Business Education Sector: Prescriptions from Corporates and Academia*" presented at the National Social Science Congress at BBAU, Lucknow on 6<sup>th</sup> & 7<sup>th</sup> March 2014.

## **12. Ms. Shalini Srivastava**

### **Paper Published in International Journal:**

- Paper titled- "Perception Of Indian Customer's Towards E-Shopping With Reference To Lucknow City" Published in International Journal of Innovative Research in Technology in Volume 1 Issue 12 May 2015.

### **13. Ms. Jyoti Kumari**

#### **Paper Published in International Journal:**

- Paper published on the topic "Customer Satisfaction Towards Whatsapp In Lucknow City" in International Journal of Innovative Research in Technology (IJIRT) ISSN(P): 2349 – 6002 Volume 1 Issue 10 March 2015.

### **14. Mr. Asad Kareem Usmani**

#### **Paper Published in National Journal:**

- Paper titled "Impact of advertising Context with reference to print advertising" published in Adhyayan - Journal of Management Sciences, of SMS Lucknow in June 2015 Volume –V, Issue No. 1.

### **15. Mr. Rajat Krishan Lal**

#### **Paper Published in National Journal:**

- Paper titled "Disinvestment in India: An Exclusive Study", published in the Journal of IEM - Institute of Business Management, Lucknow, ISSN : 0975 – 5268, Volume - 5, 1st Jan to June 2016.

### **16. Dr. Syed A. A. Rizvi**

#### **Papers Published in National Journals:**

- Paper titled "Tool Based Estimation of Object Oriented Software Metric" Published in Mulya Avmulyan a National Journal ISSN 2231-5772 (April 2012)
- Paper titled "Cybernetics Security Requirements and Reuse for Improving Information Systems Security" published in Research Journal of Engineering Sciences ISSN 2278 – 9472 Vol. 1(5), 51-54, November (2012) Res. J. Engineering Sc. Available online at: ([www.isca.in](http://www.isca.in))

### **17. Mr. Mohd Azam**

#### **Papers Published in International Journals:**

- Paper titled "Green Marketing; Eco Friendly Approach" published in International Journal of Innovative Research & Development; ISSN 2278-0211 ( DOAJ (*Directory of Open Access Journals*), BASE - Germany, Ulrich's - USA, Open J-Gate - India, DRJI (*Directory of Research Journal Indexing*) and Elektronische Zeitschriftenbibliothek EZB - Germany) with Global Impact Factor-0.475 :Volume 3, Issue 2, February 2014.
- Paper titled "Employee Role in Service Design-a Critical Parameter to Organization Success" in International Journal of Marketing & Financial Management, ISSN: 2348-3954 (Online) in 2014.

## **18. Dr. Lavina Singh**

### **Paper Published in International Journal:**

- Published a paper titled "Study of Organizational Culture of a Telecom Company" in International Journal of Management Prudence, Vol. IV, Issue 2, Dec. 2013.

### **Paper Published in National Journal:**

- Published a paper as a co-author titled "Confidence and Life Style: A Study of Consumer Attitude towards the Use of Sanitary Napkins" in EBSCO indexed Adhyayan - A Journal of Management Sciences, Vol. 4-No. 2, Dec. 2014.

## **19. Mr. Suchita Vishwakarma**

### **Paper Published in National Journal:**

- Published a paper titled "Futuristic analysis of Banc assurance market in India" in Management Dynamics- Journal of Jaipuria Institute of Management, Lucknow in Dec 2014 Issue Vol- 14 No 1, 2014. ISN-0972-506.