

**Dr. Bannoth Anjaneya Prasad**

***B. Tech., M.Tech., Ph.D., M.I.S.T.E., F.I.E,MCI,MASME,MSESI.***

***\* Professor of Mechanical Engineering &**

**Chairman Board of Studies**

**JNTUH College of Engineering Hyderabad (Autonomous)**

**Jawaharlal Nehru Technological University**

**Hyderabad**

**HYDERABAD – 500 085**

**Name** : **Dr**. **Bannoth Anjaneya Prasad**

**Parents**  : Late Sri B. L.Naik and Late Smt. B. Gowramma

**Position** : Professor of Mechanical Engineering &

Chairman Board of Studies

JNTUH College of Engineering

Jawaharlal Nehru Technological University Hyderabad

**Date of Birth & Place of Birth** :24-04-1966

Narasimhapalli Tanda (Village), Puttaparti (Mandal),

Anantapur District, AP, INDIA.

**Nationality :** Indian

**Religion**  : Hindu

**Cast :** Scheduled Tribe (Sugali)

**E-mail**  : [baprasadjntu@gmail.com](mailto:baprasadjntu@gmail.com),

**Address for Communication** :

**Official Address** **Residential Address**

Professor Flat No. 801

Department of Mechanical Engineering LaGardenia Apartment

JNTUH College of Engineering , Pragathi Enclave Colony

Jawaharlal Nehru Technological University Hyderabad, Miyapur,Hyderabad-49

Hyderabad–500085 Telangana (India).

Mobile: +91-9441124725, Mobile: +91- 9441124725

**Educational Qualifications:**

* Ph.D**.** (Jawaharlal Nehru Technological University, HYDERABAD-Mech. Engg-2008)
* M. Tech (Jawaharlal Nehru Technological University, HYDERABAD-Mech.Engg-1997)
* B. Tech (Jawaharlal Nehru Technological University, HYDERABAD -Mech.Engg-1989)

**Details of Research:**

Research area **:** Manufacturing

Supervisor : Dr. P. Dhananjaya Rao, Principal (Retd), JNTU

College of Engineering, Anantapur. &

Dr. H.Sudharsan Rao

**Employment**

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| **Designation** | **Duration** | **University** |
| Professor | 25-02-2010 to till date | JNTUH, HYDERABAD |
| Associate Professor | 31.05.2003 to 24-02-2010 | JNTUH, HYDERABAD |
| Assistant Professor (SGS) | 03.11.1999 to 31.05.2003 | JNTUH, HYDERABAD |
| Assistant Professor (SS) | 05.06.1997 to 02.11.1999 | JNTUH, HYDERABAD |
| Assistant Professor | 03.111989 to 04.06.1997 | JNTUH, HYDERABAD. |

**Administrative Experience**

Worked as Deputy Warden for Boys Hostels at JNTUCEA for 3 years

Worked as Officer In-Charge of SC/ST/BC Book Bank.

Worked as Co-ordinator SC/ST Celll at JNTUCEA.

Worked as Students Union Co-ordinator.

Chief Organizer for college day, cultural &sports day 2003 & 2004 at JNTUCEA.

Worked as Teachers Association Secretary.

Worked as Hon’ Director, SW College Boys Hostel, Anantapur for 3 years (Govt.of A.P.).

Co-Cordinated 3 week Training programme for unemployed Rural Youth (TPURY-2005)

Participated in Skill Development Programme organized by RGNIYD at Shillong in Dec’2008.

Worked as NSS Programme Co-ordinator and Officer- Incharge of PIU at JNTUH.

Worked as Vice Principal, JNTUH College of engineering, Manthani

Worked as Chief Regional Co-ordinator,EAMCET-2012

Worked as Chief Regional Co-ordinator,EAMCET-2013

Worked as Co Convener, EAMCET-2014

Working as Chairman, Board of Studies :(Mechanical,Aeronautical,Petrolium,Mechatronics & Automobile)

worked as **Director of Evaluation**, JNT University Hyderabad

**Conduct of Examinations:**

* University Examinations as Director of Evaluation
* Online Examinations (Objective type questions) for all UG courses of JNTU Hyderabad affiliated colleges.
* Electronic Distribution of Examination question Papers (EDEP) for External examinations of UG/PG courses of JNTU Hyderabad
* Question bank preparation for various courses for UG/PG examinations
* Coordination of Spot valuation of answer scripts at different nodal centers of the University for UG/PG & Pre PhD examinations
* Processing of results for UG/PG examinations through optical mark recognition(OMR) system
* Overall Controlling of issue of provisional certificates, Marks memos and migration certificates and Original degree certificates

**Vigilance and Fact finding committees:**

* Convener, Fact Finding committees for grant of affiliation to private Engineering colleges
* Member, Fact Finding committees for grant of affiliation to private Engineering colleges
* Member, Special Observer to look after the university external examinations
* Member, Anti ragging committee, JNTU College of Engineering, Hyderabad
* Observer for university examinations at different affiliated colleges

**Professional Experience:**

* Chairman, Board of Studies, Mechanical Engineering, Automobile Engineering, Mining Engineering, Petrolium Engineering,Production Engineering, Mechotronics,JNTUH, Hyderabad.
* Member, Board of Studies, Mechanical Engineering, Dept., of Mechanical Engineering, JNTUHCEH . Hyderabad
* Member College Academic Council, JNTUH College of Engineering , Hyderabad.
* Member- University nominee, Governing bodies of different affiliated colleges
* External Examiner, UG/PG project thesis & PhD thesis of different Universities.
* Served Secretary in JNTU Engineering College Teachers association at Anantapur

**Research Experience and Projects Guidance:**

* Ph.D Guided - 05 Completed,8 In Progress
* Post Graduate Level- Projects- more than30 guided to relevant fields- Thermal related

& AMS.

* Under Graduate Level- Projects- 40 guided to relevant fields in the Mechanical

Engineering.

**List of Publications**

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| --- | --- | --- | --- | --- |
| National Journals | International Journals | National Conferences | International Conferences | Workshops |
| 01 | 47 | 11 | 07 | Attended:02 |

**Fellowships of Professional Bodies:**

***International***

Member: American Society for Mechanical Engineers

***National***

Life Member: Indian Society for Technical Education (ISTE)

Fellow : Institution of Engineers (India)

Life Member: Combustion Institute (India)

Life Member: Solar Energy Society of India

**Aim and Future Plan**

* To become a member in the policy making towards bringing reforms in Technical Education.
* To become a good administrator in Nation building.

**Name and Address of Referees:**

1. Dr. K. Hemachandra Reddy

Chairman,AP State Council for Higher Education

Amaravathi, Andhra Pradesh

Phone: 9440272244.

1. Sri G.Pala Raju, IPS

DIG Techinical Services & DIG Coordination, AP Police.

Amaravathi, Andhra Pradesh

Phone: 9110582325

***(Dr. Bannoth Anjaneya Prasad)***

**National Journals**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Publication/Title** | **Name of Publisher** | **Date of Publication** |
| 1 | *Fracture Toughness Prediction of Brittle & Ductile Materials.* | International Journal of  Engineering Research & Technology | July 2012 |
| 2 | *Vegetable Oil as Fuel in C.I. Engine: Problems and Possible Solutions.* | International Journal of Engineering science & Technology | Nov 2012 |
| 3 | *Effect of Modified AA5356 on collusion behavior of AA6061 alloy GTA welds* | International Journal of Modern  Engineering Research | Dec 2012 |
| 4 | [*Investigation of Supersonic Flow through Conical Nozzle with Various Angles of Divergence*](http://www.iaset.us/download.php?fname=--1354791220-2.Investigation-%20Ravinder%20Reddy.pdf) | International Journal of Mechanical Engineering (IJME) | Feb 2013 |
| 5 | *Characteristics Optimization of Different Welding Processes on Duplex Stainless Steels Using Statistical Approach and Taguchi Technique - A Review Guide* | International Journal of Engineering Inventions | Feb 2013 |
| 6 | *Stability Characteristics of missile due to maneuvering in all*  *six Degree of freedom using CFD simulations* | International Journal of Innovative Research in Science, Engineering and Technology(IJIRSET) | Sept 2013 |
| 7 | *Analysis of Dual Bell Rocket Nozzle using*  *Computational Fluid Dynamics* | International Journal of Engineering Research & Technology (IJERT) | Nov 2013 |
| 8 | *Design Optimization of Catalytic Converter to reduce Particulate Matter and Achieve Limited Back Pressure in Diesel Engine by CFD* | International Journal of Current Engineering and Technology | Feb-2014 |
| 9 | *Computational Fluid Dynamics Analysis of Advanced Rocket Nozzle* | International Journal of Current Engineering and Technology | Feb-2014 |
| 10 | *A turbulence model for momentum and heat transfer in internal flow of viscous non-Newtonian fluids* | International Journal of Applied Engineering Research ISSN 0973-4562 Volume 11, Number 9 (2016) pp 6865-6871, Scopus Indexed Journal | 2016 |
| 11 | *A comparative study of Lipase/base catalyzed biodiesel production from Banalities aegyptiaca* | Journal of Chemical and Pharmaceutical Sciences. Scopus Indexed. | March 2017 |

**Inter National Journals**

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| --- | --- | --- | --- |
| **S.No.** | **Name of Publication/Title** | **Name of Publisher** | **Date of Publication** |
| 1 | *The study of sloshing perpormance in three dimensional tanks for different volume fraction of fluid with time increment step and aceleration with CFD approach* | AIJREAS, ISBN No.ISSN-2455-6300, Vol No.1, Issue No.6, pp.19-21, AIJREAS | January 2016 |
| 2 | *Feasibility study of ORC implementation in Indian Power Plants* | AIJREAS, ISBN No.2455-6300, Vol No.1, Issue No.6, pp.1-8, AIJREAS | June, 2016 |
| 3 | *A Review on Organic Rankine Cycle with respect to Power Plant Engineering,* | IJREAS, ISBN No.2455-6300, Vol No.1, Issue No.3, pp.14-21, AIJREAS | March 2016 |
| 4 | *Fabrication of Carbon Nano Tube by adding Nano Flyash to Alumina.* | AIJRRLJSM, ISBN No.2455-6300, Vol No.1, Issue No.5, pp.131-142, AIJRRLJSM | May, 2016 |
| 5 | *Thermal , Mechanical and Structural Properties Evaluation of Carbon Nanotube based Aluminium Matrix Composite* | IJREAS, ISBN No.2249-3905, Vol No.6, Issue No.6, pp.30-38, IJREAS | June, 2016 |
| 6 | *Experimental Investigations on Exhaust Emissions of Medium Grade Semi Adiabatic Diesel Engine with Rice Bran Biodiesel With Varied Engine Parameters* | International journal of innovative research in science, Engineering and Technology, ISBN No.2319-8753, Vol No.5, Issue No.1, pp.1-8, IJIRSET, | January, 2016 |
| 7 | *Investigations on Exhaust Emissions of DI Diesel Engine Fuelled With Crude Rice Bran Oil* | IJCET, ISBN No.2347-5161, Vol No.6, Issue No.3, pp.847-852, IJCET | June, 2016 |
| 8 | *Experimental investigations on Exhaust Emissions of Low Grade Heat Rejection Diesel Engine With Crude Rice Bran Oil With Varied Engine parameters* | International journal of innovative research in science, Engineering and Technology, ISBN No.2319-8753, Vol No.5, Issue No.1, pp.1-7, International journal of innovative research in science, Engineering and Technology | January, 2016 |
| 9 | *Fabrication and Micro Structural Analysis of Carbon Nanotube Materials by Adding Nano Flyash to Alumina* | IJITR, ISBN No.ISSN:2248-9622, Vol No.6, Issue No.6, pp.6-10, IJITR | June-2016 |
| 10 | *A Study On Sloshing Due To Vibrations Of Partially Filled Liquid Tank Subjected To Variable Acceleration* | International Journal of Modern Engineering Research, ISBN No.ISSN:2249-6645, Vol No.6, Issue No.2, pp.65-71, International Journal of Modern Engineering Research | February, 2016 |
| 11 | *Expermental Study Of A Ci Engine To Estimating The Perpormance And Emmisions Analysis By Using WVO( Karanja Oil + Tyre Pyrolysis Oil) As Biodiesel Blended Oils* | International Journal of Modern Engineering Research, ISBN No.ISSN:2249-6645, Vol No.6, Issue No.2, pp.89-100, International Journal of Modern Engineering Research | February, 2016 |
| 12 | *Effect of Notch Root Radius on the Fracture Toughness of Epoxy and 0.5% wt% Amino MWCNTs-Reinforced Nanocomposites* | Trans Indian Inst Met(2016), ISBN No.1069-1075, Vol No.1, Issue No.DOI 10.1007/s13666-015-0623-8., pp.1069-1075, Springer, | August, 2015 |
| 13 | *Analysis of The Effect of Variation of Baffle Height on The Liquid Sloshing In The Tank With CFD Approach* | International Journal Of Engineering Research And Applications, ISBN No.ISSN:2248-9622, Vol No.5, Issue No.12, pp.115-121, International Journal Of Engineering Research And Applications | December, 2015 |
| 14 | *nvestigation of Elasto-Plastric Deformation Behavior of Haynes242 Alloy subjected to Nanoscale loads through Indentation experiments,* | Trans Indian Inst Met, Issue No.DOI 10.1007/s12666-015-0550-8, springer | May, 2015 |
| 15 | *Fracture behavior of carbon nanotube and carbon fibre –reinforced, epoxy-matrix hybrid composite* | International Journal of materials and product Technology, Vol No.51, Issue No.1, pp.1-16, International Journal of materials and product Technology | 2015 |
| 16 | *Characterization of Carbon Fiber / Epoxy Composites with Different Fiber Parametric Quantity* | IJSRST, ISBN No.ISSN:2395-6011, Vol No.1, Issue No.4, pp.49-58, IJSRST | October, 2015 |
| 17 | *The Model Analysis of a Partially Filled 3-Dimensional Liquid Storage Rectangular Tank With Study The Effect of Velocity on Sloshing by Increase in Baffle Numbers* | International Journal of Emerging Technology and Advanced Engoneering, ISBN No.ISSN:2250-2459, Vol No.5, Issue No.12, pp.218-223, International Journal of Emerging Technology and Advanced Engoneering | December, 2015 |
| 18 | *Effect of Amino Multi –Walled Carbon Nanotube Reinforcement of the Plane Strain Fracture Toughness of Neat Epoxy* | Journal of Aerospace Science and Technologies , Vol No.67, Issue No.2B, pp.330-334, Journal of Aerospace Science and Technologies | July, 2015 |
| 19 | *Effect of Indentation Size and Strain Rate on Nanomechanical Behavior of Ti-6Al-4VAlloy* | Transactions of Indian Institute ofMetals (Springer) , Vol No.67, Issue No.5, Springer | October, 2014 |
| 20 | *Elasto-plastic deformation behavior of Ti-6Al-4V and Haynes242 alloys at nanoscale loads,* | International Journal of materials and sciences, Vol No.9, Issue No.1, Research india publication | Nov, 2014 |
| 21 | *Comparative Performance with Different versions of low heat rejection combustion chambers with crude rice bran oil* | Archive of Mechanical Engineering, Vol No.61, Issue No.4, pp.627-651 | 2014 |
| 22 | *Effect of injector opening pressure and injection timing on exhaust emissions and combustion characteristics of rice bran oil in crude form and bio diesel form in direct injection diesel engine,* | IOSR Journal of Engineering, Vol No.4, Issue No.2, pp.9-19 | Febrauary, 2014 |
| 23 | *Comparative studies on Performance parameters of direct injection diesel engine with ceramic coated low heat rejection combustion chambers with rice bran oil based bio diesel* | International journal of engineering research and technology, Vol No.3, Issue No.1, pp.479-492, | january, 2014 |
| 24 | *Comparative studies on exahust emissions and combustion characteristics of direct injection diesel engine with medium grade low heat rejection combustion chambers with rice bran oil based bio diesel* | Asian academic research journal of social sciences humanities, Vol No.1, Issue No.18, pp.155-175, AARJMD | Febrauary, 2014 |
| 25 | *Investigations on performance parameters with medium grade low heat rejection combustion chamber rice bran oil biodiesel* | International journal of Applied engineering, Vol No.4, Issue No.1, pp.29-46 | january, 2014 |
| 26 | *The effect of thermal barrier coating on exhaust emissions and combustion chamber characteristics of diesel engine with rice bran oil based biodiesel,* | International journal of engineering research in engineering and technology, Vol No.2, Issue No.2, pp.183-190, | Febrauary, 2014 |
| 27 | *The effect of thermal barrier coating on exhaust emissions and combustion chamber characteristics of diesel engine with rice bran oil based biodiesel* | International journal of engineering research in engineering and technology, Vol No.2, Issue No.2, pp.183-190, | Febrauary, 2014 |
| 28 | *Processing, structure and flexural strength properties CNT and Carbon Fiber Reinforced Epoxy matrix hybrid Composite,* | Bulletin of Materials science, Vol No.37, pp.597-602, Springer, | 2014 |
| 29 | *Effect of Notch root radius on the apparent fracture toughness in CNT and carbon fibre reinforced, epoxy-matrix hybrid composite* | Transactions of Indian Institute ofMetals (Springer) , Vol No.67, pp.33-39, Springer, | 2014 |
| 30 | *Interlaminar Shear strength of Multi – walled carbon nanotube and carbon fiber reinforced, epoxy- matrix hybrid composite* | Procedia Materials Science (Elsevier), pp.1336-1343, Elseveir | 2014 |
| 31 | *Effect of Amino Multi walled carbon nanotubes reinforcement on the flexural properties of neat epoxy* | Applied Mechanics and Materials, Vol No.592-594, pp.912-916, Trans tech | 2014 |
| 32 | *Interlaminar shear strength of multi-walled carbon nanotube and carbon fiber reinforced,epoxy-matrix hybrid composite* | Science Direct, pp.1336-1343, Elsevier | 2014 |
| 33 | *Comparative studies on exhaust emissions and combustion characteristics of direct injection diesel engine with medium grade low heat rejection combustion chamber with rice brawn based biodiesel,* | AARJMD, ISBN No.ISSN:2319-2801, Vol No.1, Issue No.18, pp.155-175, AARJMD | FEBRUARY, 2014 |
| 34 | *Numerical analysis of effect of friction on mechanical properties of Ti-6Al-4VAlloy through Nanoindentation* | Procedia Engineering (Elsevier) , Vol No.64, pp.1048-1055, Elseveir, | 2013 |
| 35 | *Relevance of Nanoindentation Experiments in Materials Research-A Review,* | Advanced Materials Manufacturing & Characterization Viol No.3, Issue No.1 | March, 2013 |
| 36 | *Comparative studies on exahust emissions and combustion characteristics of direct injection diesel engine with diffrent combustion chambers with rice bran oil based bio diesel,* | International journal of engineering and innovations, Vol No.3, Issue No.6, pp.163-173, | December, 2013 |
| 37 | *Improving of emissions and performance of rice bran oil in medium grade low heat rejection diesel engine,* | International journal of renewable energy research, Vol No.3, Issue No.1, pp.98-108, | 2013 |
| 38 | *FUEL INJRCTOR'S STRATERGIES OF Hcci ENGINE* | INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND APPLICATIONS, ISBN No.2248-9622, Vol No.3, Issue No.1, pp.1-8, IJERA | FEB, 2013 |
| 39 | *Performance evaluation of rice bran oil in high grade low heat rejection diesel engine* | FSJ Engineering Research, Vol No.1, Issue No.1, pp.1-6, | 2012 |
| 40 | *Performance evaluation of rice bran oil in low grade low heat rejection diesel engine,* | International journal of engineering and science, Vol No.1, Issue No.5, pp.1-12, Research inventy, | October, 2012 |
| 41 | *Np MODEL - A HANDY TOOL FOR EVALUATION OF FMS ALTERNATIVES,* | NTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND INDUSTRIAL APPLICATIONS, ISBN No.ISSN 0973 -9424, Vol No.3, Issue No.I, IJERIA | 2010 |
| 42 | *PERFORMANCE EVALUATION OF A LOW HEAT REJECTION CI ENGINE USING VEGETABLE OILS* | INTERNATIONAL JOURNAS OF MULTIDISCIPLINARY RESEARCH AND ADVANCES IN ENGINEERING, ISBN No.pp 53-70, Vol No.I, Issue No.I, pp.54-70, IJMRAE, | 2009 |
| 43 | *Performance evaluation of a low heat rejection CI engine using vegetable oils,* | IJMRAE, Vol No.1, Issue No.1, pp.53-70, IJMRAE | November, 2009 |
| 44 | *Effect of fuel injection strategies on emission in a DI diesel engine with central squish LIP piston bowl,* | The Technology World Quarterly journal, ISBN No.2180-1614, Vol No.5, Issue No.1, pp.270-274, The Technology World Quarterly journal | October-November, 2009 |
| 45 | *DESIGN AND THERMAL ANALYSIS OF HEAT EXCHANGER FOR ENERGY CONSERVATION,* | INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH , ISBN No.0973-4562, Vol No.5, Issue No.3, pp.538-544, RESEARCH INDIA PUBLICATIONS |  |
| 46 | *Strategies of combustion control for HCCI engine* | INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY AND ADVANCED ENGINEERING, ISBN No.2250-2459, Vol No.3, Issue No.1, IJETAE, | JAN 2013 |
| 47 | *AN INVESTIGATION OF VARIABLE VALVE TIMING APPLICATION FOR CONTROLLING THE HCCI COMBUSTION,* | IJERA, ISBN No.2248-9622, Vol No.I, IJERA | 2012 |

**International Conference**

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| **Sl. No** | **Name of the Conference** | **Title** | **Month & Year** |
| 1 | ICMME'13, | *Experimental comparison of the MIG and Friction Stir Welding Processes for AA6061 (Al Mg Si Cu) Aluminium Alloy,* | April, 2013 |
| 2 | International Conference on Applications of Engineering & Management 2012, pp.41-48, ICAEM | *Investigation of the alternative fuel suitability & Combustion performance of HCCI Engines,* | 2012 |
| 3 | 57 th CONGRESS OF THE INDIAN SOCIETY OF THEORETICAL AND APPLIED MECHANICS (An International Meet), THE INDIAN SOCIETY OF THEORETICAL AND APPLIED MECHANIC | *A Computational study of factors affecting the characterization of nanoindentation on Ti-6Al-4V alloy* | 2012 |
| 4 | ICAECT2010, pp.321-325, MIT Manipal | *SolarEnergy based Thermal Energy Storage System using Phase change Materials,* | January, 2010 |
| 5 | TOTAL ENGINEERING,ANALYSIS AND MANUFACTURING TECHNOLOGIES, TEAM-TECH, | *A STUDY ON THE USE OF FRICTIONAL ENERGY FOR SURFACE MODIFICATION OF MILD STEEL WITH Aa6061 ALUMINIUM ALLOY OVER LAY,* | SEP, 2008 |
| 6 | ICONICE, pp.410-415, ICONICE | *EFFICIENCY AND EXHAUST GAS ANALYSIS OF TWIN CYLINDER DIESEL ENGINE WHEN DIFFERENT PURE AND BLENDED FUELS USED,* | 2007 |
| 7 | 21st INTERNATIONAL SYMPOSIUM ON PROCESSING AND FABRICATION OF ADVANCED MATERIALS, pp.31-36, IIT GOWAHATI,INDIA | *MANUFACTURING OF Cf-CNT-REINFORCED-EPOXY MATRIX HYBRID COMPOSITE BY HAND LAY UP TECHNIQUE,* | DEC 10-13,2012 |

***(Dr. Bannoth Anjaneya Prasad)***