

Dr. K.V. Subba Reddy Inst. of Technology

AUTONOMOUS

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Department of Mechanical Engineering

FACULTY PROFILE

Faculty Name: Dr. M.Ashok Kumar

Faculty Photo:



Faculty Biography:

Dr. M.Ashok Kumar has completed Ph.D in **ME** from **JNTUA**, Anantapur. **M.Tech** in **Machine Design** from Govt.College of Technology, B U , Coimbatore. **B.Tech** in **ME** from JNTU College of Engineering, **JNTUCEA**, Anantapur.

Currently he is working as an **Professor & HOD** in the Department of ME at Dr. K. V. Subba Reddy Institute of Technology (Autonomous), Kurnool, A.P. He has more than **23 years** of regular teaching experience.

He has vast subject knowledge in the field of Machines Designing, making of Composite materials, Operations Research, Engineering Drawing, Theory of Machines, Engineering Mechanics, Production Technology, CAD/CAM Technologies, Materials Science and materials strengths also programming languages, data structures.

His dynamic and illustrative teaching methodology empowers students to strengthen their academic foundation and skill set, preparing them for successful career opportunities.

He has published 80 national and **International & National journals** (Scopus Indexed & SCI) and also presented many **International Conferences**.

He has prepared many materials of different subjects for engineering students which can help them to prepare for exams in an easy method.

EDUCATIONAL QUALIFICATIONS

Course	Institution	University	Year	Percentage
Ph.D (ME)	Jawaharlal Nehru Technological University Anantapur	JNTU Anantapur	2007-2011	Completed
M.Tech (Machine Design)	Samskruti College of Engg. & Tech.	JNTU Hyderabad	2010-2012	65.00%
B.Tech (ME)	JNTUCEA, Anantapur	JNTU Anantapur	1996-1999	72.18%
DME	GMR Polytechnic, Srisailam	Board of Tech. Edun & Training	1990-1994	67.00%
S.S.C	APSW Residential School, Malugur, Hindupur	Board of Secondary Education	1989-1990	65.00%

TEACHING EXPERIENCE

Currently working as an Professor & HOD of ME in Dr. K.V. Subba Reddy Institute of Technology (Autonomous). with **4 years** of regular teaching experience.

Institution	Affiliated University	Work Duration	Total Experience
Dr. K. V. Subba Reddy Institute of Technology (Autonomous)	JNTUA, Anantapur	Aug,2014 to Nov,2016 & July 1 st 2024 – Till Date	4 Years

Ph.D Details:

University: Jawaharlal Nehru Technological University Anantapur (JNTUA)

Department: Mechanical Engineering

Regd. No:0603PH1518

Guides :

Supervisor: Prof.Y.V. Mohana Reddy, G.Pulla Reddy Engg. College, Kurnool

Co-supervisor: Prof. K.Hemachandra Reddy, JNTUA, Anantapur

Date of Admission: 2007

Date of Completion: 10-08-2011

Thesis Title: Synthesis and Characterization of Surface Modified Montmorillonite Clay Filled Epoxy
Nanocomposites Reinforced with Short Woven Glass Fibre Reel

Specialization: Nanocomposite materials

Papers Published during Ph.D: 6

International Journals (SCI - 3, Scopus - 3)

International Conferences (4)

JNTUA RATIFICATION

✓ **Ratified** as an Assistant Professor by **JNTUA**, Dated: 17-04-2015.

SUBJECTS TAUGHT

- Engineering Graphics
- Engineering Mechanics
- Strength of materials
- Manufacturing Science
- Dynamics of machines
- Theory of machines
- Machine Drawing
- Mechanics of composite materials
- Operations Research
- Machining Processes
- Renewable Energy Resources
- Design of machine elements (I & II)
- Production Technology
- Automation & Robotics
- Fluid Mechanics and Hydraulic Machines

CSE Subjects:

- Introduction to Programming
- Python Programming
- Web Technologies

Skills

- Solid works, CAD modeling, UniGraphics
- Python
- C & C+
- CSS,
- HTML,
- Java Script,
- JS essentials,

- Adv JS,
- React JS, Node JS, Express JS
- SQL
- MongoDB etc

STRENGTHS

- I Can teach ME & CSE subjects
- Strong in fundamentals
- Strong communication skills.
- Good written skills.
- Ability to mould the students.
- Hard working Nature.
- Active participant in seminars.

Projects Sanctioned

- ✓ 1lakh rupees for national conference by SERB in 2017

MEMBERSHIPS REGISTERED

- A Life Member of MISTE (Member of Indian Society for Technical Education). Member Id: **LM-80201**.
- A Life Time Member of (International Association of Engineers) with Member Id: **M-145145-0**.

Journals Published

- SCI papers: 8
- Scopus papers: 6
- UGC Paper: 20
- International Papers: 30
- National Papers: 16
- Publications: Sage, Springers, Taylor & Francis, Elsevier

LIST OF PUBLICATIONS

Journals Published

1. **Ashok Kumar, M.,** Ramachandra Reddy, G., Siva Bharathi, Y., Venkata Naidu, S. and Naga Prasad Naidu, V. (2010). Frictional Coefficient, Hardness, Impact Strength and Chemical Resistance of Reinforced Sisal-Glass Fiber Epoxy Hybrid Composites, *Journal of Composite Materials*, 46(26):3195-3202.

2. **M Ashok Kumar**, G. Ramachandra Reddy, Mechanical & Thermal Properties of Epoxy Based Hybrid Composites Reinforced with Jute / *Sansevieria cylindrica* Fibres, *International Letters of Chemistry, Physics and Astronomy*, 19(2) (2014) 191-197.
3. **Ashok Kumar, M.**, Hemachandra Reddy, K., Ramachandra Reddy, G., Venkata Mohana Reddy, Y. and Subbarami Reddy, N. Tensile, Thermal Properties & Chemical Resistance of Epoxy/Hybrid Fibre Composites (Glass/Jute) Filled with Silica Powder, *Indian Journal of Macromolecules*, 6(2):2010(in press).
4. **Ashok Kumar, M.**; Hemachandra Reddy, K.; Mohana Reddy, Y.V.; Ramachandra Reddy, G.; Venkata Naidu S., Improvement of tensile and flexural properties in epoxy/clay nanocomposites reinforced with weave glass fiber reel. *Int J Polym Mater* 2010, 59,854.
5. N. Subbarami Reddy, **M.Ashok Kumar**, , G.Ramachandra Reddy, Hemachandra Reddy, K.; Ramachandra Reddy, G.; Venkata Mohana Reddy, Synthesis, Mechanical and thermal properties of clay/epoxy nanocomposites reinforced with short woven glass fiber reel. *Journal of Nano Science and Technology*, 2011 (in press).
6. **Ashok Kumar, M.**; Ramachandra Reddy, G. Harinath Reddy, G.; Subbarami Reddy, N Hemachandra Reddy, K.; Venkata Mohana Reddy, Role of Natural fibers: Rubber/polyester composites reinforced with *Sansevieria Cylindrica*, waste silk, jute and drum stick vegetable fibers (*Moringa Oleifera*), *Ind J Mater Sci* (in press).
7. Ramachandra Reddy, G., **Ashok Kumar, M.**, Chakradhar, K.V.P.2011. Fabrication and performance of hybrid betel nut (areca catechu) short fiber/ *sansevieria cylindrica* (agavaceae) epoxy composites. *International Journal of Materials and Biomaterials of Applications*, 2011(1), 6-13.
8. G. Ramachandra Reddy, **M Ashok Kumar**, J Jayaramudu, Biodegradable *Sansevieria cylindrica* Leaves fiber/ Tamarind fruit fiber based Polymer hybrid composites on characterization, *International Letters of Chemistry, Physics and Astronomy* 20(2) (2014) 116-128.
9. Raghavendra Rao, H., **M. Ashok Kumar, M.**, Ramachandra Reddy, Hybrid composites: Effect of fibers on mechanical properties 2011. Mechanical properties of randomly oriented short *Sansevieria trifasciata* fibre/epoxy composites. *International Journal of Macromolecular science* 2011, 1(2):9-14.

10. **M. Ashok Kumar**, C. Rajasekhara Reddy, G. Rama Mohan Reddy, S. Arun Kumar, D. Rafee, Epoxy/WGFR/micro/nanocomposites on Chemical Resistance, 2011, International Journal of Nanomaterials and Biostructures, 1 (2) 25-27.
11. **M.Ashok Kumar**, K. Madhu, Improvement of Chemical Resistance of Silica/Epoxy/Hybrid (Glass/Jute) Fiber Composites, 2011, International Journal of Macromolecular Science,1(1): 23-25.
12. K. V. P. Chakradhar, K. Venkata Subbaiah, **M. Ashok Kumar**, G. Ramachandra Reddy, Blended Epoxy/Polyester Polymer Nanocomposites: Effect of “Nano” on Mechanical Properties,2011, Journal of Polymer Plastic Technology and Engineering, 51: 92–96.
13. K. V. P. Chakradhar, K. V. Subbaiah, **M. Ashok Kumar**, And N. Subbarami Reddy, Thermal analysis of epoxy/polyester blended filled with Montmorillonite (MMT) clay nanocomposites, 2011, International J. of Engg. Research & Indu. Appls. (IJERIA).4, 123-132.
14. K. V. P. Chakradhar, K. Venkata Subbaiah, **M. Ashok Kumar**, G. Ramachandra Reddy, A.Varada Rajulu, Polyester Nanocomposites: Effect of Hydrophilic clay on Chemical Resistance, Journal of Micromolecules, 2011(In press).
15. **Ashok Kumar, M.**; Hemachandra Reddy, K.; Mohana Reddy, Y.V.; Ramachandra Reddy, G.; N.S. Venkatesh Kumar and BH. Nanjunda Reddy, Assessment of Nanoclay filled epoxy on mechanical, thermal and chemical resistance properties of nanocomposites, J. Metallurgy and Material Science,52(4),2010,305-315.
16. **M.Ashok Kumar**, G.Ramachandra Reddy, K.R.Vishnu Mahesh, K.V.P.Chakradhar and Y.V. Mohana Reddy, Performance of Zeamays fiber reinforced epoxy composites, Inter J Fiber and Textile Research 2011,1(1):22-27.
17. **M.Ashok Kumar**, G.Ramachandra Reddy, K.R.Vishnu Mahesh, T.Hemanth Babu, G.Vasanth Kumar Reddy, H. Dasaratha and Y.V. Mohana Reddy, Fabrication and performance of natural fibers: Sansevieria cylindraci,waste silk, jute and drum stick fibers(Moringa Olefera) Reinforced with rubber polyester composites, Inter J Fiber and Textile Research,2011,1(1),15-21.

18. **M.Ashok Kumar**, G.Ramachandra Reddy, K.V.P.Chakradhar, Hydrophilic Fumed Silica/Clay Nanocomposites: Effect of Silica/Clay on Performance, International J of Nanomaterials and Biostructures, 2011, 1(1):1-11.
19. **M.Ashok Kumar**, G.Ramachandra Reddy, T. Hemanth Babu, C. Sai Chaitanya Kishore, T.Surya Narayana Reddy, Mohammad Ashfaq, B.Ravi Kumar, Tensile and Thermal Properties of Polymer Coatings Effect on Sorghum vaigaris stalk fiber, International J Macromolecular Science, 2012, 2(1)4:1-4.
20. **M.Ashok Kumar**, G.Ramachandra Reddy, G. Harinath Reddy, N. Subbarami Reddy, Tensile and Thermal Properties of Polymer Coatings Effect on Sorghum vaigaris stalk fiber, J Polymer materials, 2012, 29(1)4:71-75.
21. V. Naga Prasad Naidu, G.Ramachandra Reddy, **M.Ashok Kumar**, G. Harinath Reddy, Heat Capacity of Sisal/ glass fiber reinforced hybrid composites, Ind J Mater Sci., 2011(in press).
22. V. Naga Prasad Naidu, **M.Ashok Kumar**, G.Ramachandra Reddy, Noorunnisa Khanam, M.Mohan Reddy, K.V.P.Chakradhar, Tensile & Flexural Properties of Sisal/ glass fiber reinforced hybrid composites, International J Macromolecular Sci., 2011, 1(1):19-22.
23. V. Naga Prasad Naidu, G.Ramachandra Reddy, **M.Ashok Kumar**, Thermal Conductivity of Sisal/ glass fiber reinforced Hybrid Composites, International J Fiber and Textile Research., 2011, 1(1):19-22.
24. Naga Prasad Naidu, G.Ramachandra Reddy, **M.Ashok Kumar**, M. Mohan Reddy, P. Noorunnisha Khanam, S.Venkata Naidu, Compressive and Impact Properties of Sisal/ glass fiber reinforced Hybrid Composites, International J Fiber and Textile Research., 2011, 1(1):11-14.
25. K.V.P.Chakradhar, K.venkata Subbaiah, **M. Ashok Kumar** and G.Ramachandra Reddy, Epoxy/Polyester Blend Nanocomposites: Effect of Nanoclay on Mechanical, Thermal and Morphological Properties Malaysian Polymer Journal, 6, 2, 109-118, 2011.
26. **M. Ashok Kumar**, G. Ramachandra Reddy, H. Raghavendra Rao, K. Hemachandra Reddy, and B. H. Nanjunda Reddy, Assessment of Glass/Drumstick Fruit Fiber (*Moringa oleifera*) Reinforced Epoxy Hybrid Composites, International Journal of Polymeric Materials, 61:759–767, 2012.

27. **M. Ashok kumar**, G. Ramachandra Reddy and G Harinatha Reddy, K.R.Vishnu Mahesh, Light Weight Epoxy Composites from Short *Sansevieria cylindrica* fibers on Mechanical and Thermal Parameters, *Fiber and Polymers*, 2012, 13(6): 769-774
28. H. Ranganna, N. Karthikeyan, V. Nikhilmurthy, S. Raj Kumar, **M. Ashok Kumar**, G. Ramachandra Reddy, Mechanical & Thermal Properties Of Epoxy Based Hybrid Composites Reinforced With Sisal/Glass Fibres, *International Journal of Fiber and Textile Research*, 2012; 2(3): 26-29.
29. K.R. Vishnu Mahesh, H.N.Narasimhamurthy, B.E. Kumara Swamy, R.Sridhar, **M.Ashok Kumar**, N.Raghavendra, G.R.Raj Kumar, M.Krishna and B.S. Sherigara, Effect of Alkaline Environment on the properties of Nanoclay/Vinyl-ester/Glass Nanocomposites, *International Journal of Science Research*,01,06-11,2012.
30. H.Ranganna, **M. Ashok Kumar**, A. Ramesh, N. Madhava Reddy, N.Karthikeyan, V.Nikil Murthy, S.Raja Kumar, S.Mahaboob Basha, E.V.Subba Reddy, Development And Behavior Of Mechanical Properties Of Graphite/ Granite Filled Epoxy Hybrid Composites, *International Journal Of Fiber And Textile Research* 2013; 3(2): 57-59.
31. K.Prabhakar, **.M. Ashok Kumar**, E.V.Subbareddy, S.Kasimvali, Design And Development Of Fixture With Cantilever Beam For Inter Mediate Gear Box *International Journal of Computer Technology & Applications*,4 (6),892-896.
32. A. Kishore, D.B.Venkatesh, **M.Ashok Kumar**, A.Ramesh, K.Nikhil Murthy, N.Karthikeyan, Hydrophilic Modified clay Nanocomposites: Effect of clay on Thermal and Vibrational Properties, *International Letters of Chemistry, Physics and Astronomy*, 8:73-86, 2014.
33. R. Sreenivasulu, S. Madhusudhan, **M. Ashok Kumar**, V. Nikil Murthy, N. Kartikeyan, Synthesis and Characterization of Polymer Nanocomposites Filled with Nanoclay/Aerosil on Mechanical and Thermal Properties, *International Journal of Nanomaterials and Biostructures*.2013xx:xxx-xxx.
34. Palla Hari Sankar, Y. V. Mohana Reddy, K. Hemachandra Reddy, **M. Ashok Kumar**, A. Ramesh, The Effect of Fiber Length on Tensile Properties of Polyester Resin Composites Reinforced by the Fibers of *Sansevieria trifasciata*, *International Letters of Natural Sciences*, 3 (2014) 7-13.

35. **M.Ashok Kumar**, G.Ramachandra Reddy, A.Ramesh,BH. Nanjunda Reddy, K.R. Vishnu Mahesh, P.V. Sanjeev Kumar, Performance of coconut shell particulate filled polyester composites, *Pakistan Journal of Scientific Industrial Research Ser-A, Phy. Sci*, 2012, 55(3):142-148.
36. T.Ranjeth Kumar Reddy, T.Subba Rao, R.Padma Suvarna, **M.Ashok Kumar**, Studies On Thermal Characteristics Of Cow Dung Powder Filled Glass –Polyester Hybrid Composites, *Advances In Polymer Science And Technology: An International Journal*, 2013; 3(1) : 19-21.
37. P.V. Sanjeev Kumar , **M. Ashok Kumar**, B. Chandramohan Reddy, G. Ramachandra Reddy, Compression And Impact Properties Of Clay /Epoxy Nanocomposites Reinforced With Short Weave Glass Fiber Reel, *International Journal Of Nanomaterials And Biostructures*, 2012; 2(3) 50-54.
38. **M. Ashok Kumar**, G. Ramachandra Reddy, G.Harinatha Reddy, K.V.P.Chakradhar, Bh. Nanjunda Reddy, N.Subbarami Reddy, Mechanical Properties Of Randomly Oriented Short *Sansevieria Trifasciata* Fibre/Epoxy Composites, *International Journal Of Fiber And Textile Research*, 2011; 1(1): 6-10.
39. G. Ramachandra Reddy, **M. Ashok Kumar**, N. Karthikeyan, and S. Mahaboob Basha, Tamarind fruit Fiber (Tf) and Glass Fiber Reinforced Polyester Composites, *Mechanics of Advanced Materials and Structures*, Id: 862330 (UMCM-2011-0073.R1) (accepted on 2014)(in press).
40. D. Madhava Reddy, C.H.Rakesh, N.Karthikeyan, **M.Ashok Kumar**, G.Nagaraju, Utilization Of Wollastonite/ Quasi Isotropic S2 Glass Fiber Doped In To Epoxy On Mechanical And Thermal Properties, *International Letters of Chemistry, Physics and Astronomy*, 19(2) (2014) 191-197.
41. G. Ramachandra Reddy, **M. Ashok Kumar**, A.Ramesh, Mehaboob Basha, N.Karthikeyan, K.Madhava Reddy, Preparation of Glass Fibre/ Wollastonite Reinforced Epoxy Hybrid Composite: Mechanical Properties, *Pakistan Journal of Scientific Industrial Research, Ser. A: Phys. Sci.*,58, 2015, **58** (1) 26-33.

42. **M. Ashok Kumar**, T. Maruthi Chowdary, K. Chandra Sekhar Balaji, E. Dhanunjaya Goud, S. Nagaraju, K. Shaik Ahmmed, B. Raja Sekhar, Utilisation of CF/Sawdust Reinforced Epoxy Hybrid Composites on Mechanical Properties, *International Letters of Chemistry, Physics and Astronomy*,50 (2015),143-150.
43. Raghava Krishna Sameer B., **M. Ashok Kumar**, V. Nikill Murthy, N. Karthikeyan, Development Of Sansevieria Trifasciata - Carbon Fiber Reinforced Polymer Hybrid Nanocomposites, *International Letters Of Chemistry, Physics And Astronomy*, 50 (2015),179-187 Online: 2015-05-03.
44. B. H. Nanjunda Reddy, K. R. Vishnu Mahesh, V. Venkata Lakshmi, **M Ashok Kumar**, Effect of Particulate Fillers on the Mechanical, Thermal, Moisture and Fire Performance of Unsaturated Isophthallic Polyester/Glass Fibre Reinforced Polymer Composites, *Advances in Polymer Science and Technology: An International Journal*, 2015; 5(2): 11-17.
45. U. Mahaboob Basha, D. Mohana Krishnu, P. Hussain, K. Manohar Reddy, N. Karthikeyan, **M. Ashok Kumar**, Synthesis And Characterization And Properties Comparison Of Epoxy Filled Filler Millet(Ragi) Filler And Treated Sacharun Offinarum (Sugar Cane) Fiber Reinforced Composites, *International Letters Of Chemistry, Physics And Astronomy* 51 (2015) 41-46.
46. U. Mahaboob Basha, D. Mohana Krishnu, P. Hussain, K. Manohar Reddy, N. Karthikeyan, **M. Ashok Kumar**, Synthesis and Characterization of Natural fibers Reinforced Fiber Epoxy Composites, *International Letters of Chemistry, Physics And Astronomy* 51 (2015)47-51.
47. U. Mahaboob Basha, D. Mohana Krishnu, P. Hussain, K. Manohar Reddy, N. Karthikeyan, **M. Ashok Kumar**, Synthesis And Characterization And Properties Comparison Of Epoxy Filled Filler Millet(Ragi) Filler And Treated Sacharun Offinarum (Sugar Cane) Fiber Reinforced Composites, *International Letters Of Chemistry, Physics And Astronomy* Vol. 51 (2015) 34-40.
48. **M. Ashok Kumar**, T. Maruthi Chowdary, K. Chandra Sekhar Balaji, E. Dhanunjaya Goud, S. Nagaraju, K. Shaik Ahmmed, B. Raja Sekhar, Effects of Performance on Mechanical properties of Sawdust/Carbon Fibre Reinforced Polymer matrix Hybrid Composites, *International Letters of Chemistry, Physics and Astronomy*,54 (2015),122-130.

49. Dr. A. Ramesh, A.Hareesh, Dr. A. S. Shiva Sankare Gowda, **Dr. M. Ashok Kumar**, Dr. J. N. Prakash, Case sstudy on offgrid ssolar Power, Advanced Engineering Technology & Application, **3**, 2, 1-9 (2015)
50. Banku Venkataramana, P.Sagar, M.Venkateswarlu, **M.Ashok Kumar**, Performance test on a four stroke single cylinder diesel Engine using Biodiesel with cooled EGR Method, International J of Innovative Res. in Sci, Engg and Tech., 4,8,7623-7632,2015.
51. Ravindra Gandhi Manne, **M.Ashok Kumar**, V. Nikil Murthy, N.Karthikeyan, M. Johnson, Development And Assessment Of Polyester Reinforced With Sansevieria Cyclindrica / Zawa Flour Composites, International Journal of Engineering Science & Technology & Management,01(01):2015.
52. M. Johnson, Raghava Krishna Sameer. B , M. Ashok Kumar, V. Nikill Murthy , B. Venkataramana, P. Sagar, M. Venkateswarlu, Poly (Lactic Acid)/MMT Nanoclay Hybrid Nanocomposites : Mechanical and Thermal Properties, IJSRST, 2015 [(1)4: 167-170.
53. M.Harikrishna, P. Narasimhulu, J. Ramu, P. Shaikshavli, V. Hari Prasad, K. Raja Sekhar , **M. Ashok Kumar**, M. Venkateswarlu, P. Sagar, B. Venkataramana, Development of Poly-Lactic-Acid (PLA) Composite Films Filled with Aerosil / Wollastonite on Characterization IJSRST,2016:2(2)9-14.
54. M. Nagakiran, **Dr. M. Ashok Kumar**, M. Venkateshvarlu, Hydrogen Fuel Cell Car, IJSRST 2016,2(2):15-18.
55. M. Nagakiran, **Dr. M. Ashok Kumar**, M. Venkateshvarlu, Design, Construction and Structure Analysis of Twinrotor UAV, IJRASET,4,2016,114-119.
56. M. Venkateshvarlu, **Dr. M. Ashok Kumar**, M. Nagakiran Banana Fruit Stem Fiber Reinforced with Polyester Composites on Mechanical Properties, IJRASET,2,2016,105-110.
57. M. Venkateshvarlu, **Dr. M. Ashok Kumar**, Preparation and Evaluation of Polyester Hybrid Composites Reinforced with Carbon Fibre/ Wollastonite Fibers IJRASET, 2 , 2016,111-118.

58. M. Venkateshvarlu, **Dr. M. Ashok Kumar**, Development and Mechanical Characterization of Palmyra Fruit Fiber Reinforced Epoxy Composites IJSRSET,2,2016,40-44.
59. M.Venkateswarlu, **Dr.M.Ashok Kumar**, M.Nagakiran, K.SagaKumar, Agricultural Solar Sprayer With Multi Applications, International Journal of Research Development Organization, 2(4)-1-8,2016.
60. M.Venkateswarlu, **Dr.M.Ashok Kumar**, M.Nagakiran, Modeling, Analysis And Optimization Of Machining Characteristics Of Gfrp Composites, International Journal of Research Development Organization, 2(3)-1-7,2016.
61. M.Venkateswarlu, **Dr.M.Ashok Kumar**, M.Nagakiran, Hydrogen fuel cell cars, IJSRST, 2(2)-15-18, 2016.
62. M. Naga Kiran, Dr. M. Ashok Kumar, T. R. Sydanna, P. Gnanesh, Design and Analysis of a Camera Jib Crane, IJSRMME, 1(2)-35-42, 2016.
63. B.Naga Niranjan Kumar, Dr.M.Ashok Kumar, Influence of Glass Powder on the Properties of Concrete, IJRDO, 2(4),2016,36-45.
64. B.Naga Niranjan Kumar, Dr.M.Ashok Kumar, Seismic Analysis of High Rise Building Using Inverted V Bracings with ETABS Software, IJRDO, 2(5),2016,1-15.
65. B. Naga Niranjan Kumar, G.Hareesh Reddy, M.Thirumalesh, Y.Harsha Vardhan, N.Sankar, Y.Keshava Kumar, Dr. M. Ashok Kumar, A Study On Properties Of Concrete Using Quartzite Waste In Addition To Cement Flyash, Advanced Engineering and Applied Sciences: An International Journal, 147, 2016, 3569-3575,
66. B. Naga Niranjan Kumar, M.Ibrahim, S.Akbar Hussain, M.Guru Prasad, A.Kasi Viswanath, K.Mahesh, M.D.Arshad Baig, Dr.M.Ashok Kumar, An Experimental Investigation on Self Curing Concrete, 36, 2016,125-130.
67. B.Naga Niranjan Kumar, Dr.M.Ashok Kumar, Seismic Analysis of High Rise Building Using Inverted V Bracings With Etabs Software,IJETAS,1(1),1-10.

68. B. Naga Niranjan Kumar, S. Upendra, S. Obulesu Reddy, S.Mahaboob Basha, B.Kowsal Raja Naidu, V. Satish Kumar, R. Hari Babu, Dr. M. Ashok Kumar, An Experimental Investigation on Lime Waste Water by Partial Replacement of Natural Water in Cement Concrete MIX,IJSRST,2(2),304-308.
69. B. Naga Niranjan Kumar, Dr. M.Ashok Kumar, Soil Stabilization with Fly ash and Industrial Waste,IJSRT,2(2),198-204.
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71. B. Naga Niranjan Kumar, G. Hareesh Reddy, M. Thirumalesh, Y. Harsha Vardhan, N. Sankar, Y. Keshava Kumar, Dr. M. Ashok Kumar, A Study on Properties of Concrete Using Quartzite Waste in Addition to Cement Flyash,6(1),29-33.
72. P.Sagar, M.Ashok Kumar, Investigation of Power Generation through Magnetohydrodynamic (MHD) Generator, International Journal of Engineering Trends and Sciences(IJETAS), 1(4), 204-223, 2016.
73. P.Sagar, M.Ashok Kumar, Development & Comparison of Polymer Hybrid Composites Reinforced with Glass, Sisal, & Jute Fibers, International Journal of Engineering Trends & Advanced Sciences (IJETAS), 1(4), 224-248, 2016.
74. B. Sidda Reddy, J. Suresh Kumar, K. Vijaya Kumar Reddy , & M.Ashok Kumar, Effect of Slag on Coconut Sheath Reinforced Composite, International Journal of Research,4(14),2822-2826,2017.
75. B. Sidda Reddy, J. Suresh Kumar, K. Vijaya Kumar Reddy , & M.Ashok Kumar, Effect of speed on tensile strength and hardness of friction welded joint, International Journal of Research,4(08),1561-1565,2017.
76. M.Ashok Kumar, S.Altaf Hussain, B.Sidda Reddy, The mechanisms and mechanics of the toughening of the glass fiber reinforced composites, International Journal of Applied Engineering Research,13(2),14-29,2018.
77. P.Hari Sankar, M.Ashok Kumar, B.Sidda Reddy, K.Viswanath, Optimization of Polymer Hybrid Clay/Carbon Fiber Nanocomposites on Mechanical Characterization using Response Surface Methodology (RSM) International Journal of Applied Engineering Research,13(2),49-69,2018.

78. K. Mallikarjuna, M. Ashok Kumar, T. Balasai Goud, G. Siva Prasad, Characterization of Mechanical Behavior of New Hybrid Fiber Reinforced Composite Sheets: An Experimental Approach, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue- ICETESM,2019.
79. Chellapilla V. K. N. S. N. Moorthy, G. Naveen Kumar, V. Srinivas, M. Ashok Kumar, K. Raghu Ram Mohan Reddy, D. N. Vasundhara, Mohd Faizul Mohd Sabri, Suhana Mohd Said, Metallography, Microstructure, and Wear Analysis of AA 6063/TiC Composites for Augmented Dry Sliding Property at Room Temperature, Metallurgy and Micro structure Analysis, 9, 140–151, 2020.
80. M. Johnson, M. Ashok Kumar, K. Hemachandra Reddy, Preparing nanofilms for food packing with biodegradable PLA, Aut Aut Research journal, 11(4), 307-318, 2020.

CONFERENCES ATTENDED

1. **M. Ashok Kumar**, Mechanical Properties of blended Hybrid fiber Composites, **Paper Presented**, Vemu Inst of Technology, Approved by AICTE, New Delhi & Affiliated to JNTUA, P.Kothakota, Chittoor District-517112, PRAGNA-2K11, National level conference, 29th January, 2011.
2. **M. Ashok Kumar**, G. Ramachandra Reddy, G. Harinatha Reddy, K. Hemachandra Reddy, Y. V. Mohana Reddy, Influence of Short Sansevieria Cylindrica Fibers Filled Epoxy Composites on Thermal and Mechanical Parameters, **Poster presented**, international conference on Advancements in Polymeric Materials, March 25-27, 2011.
3. **M. Ashok Kumar**, G. Ramachandra Reddy, G. Harinatha Reddy, Mechanical and Thermal Properties of Sustainable coconut shell powder filled polyester/composites, **Invited paper**, International conference on Advancements in Polymeric Materials, March 25-27, 2011.
4. **M. Ashok Kumar**, G. Ramachandra Reddy, G. Harinatha Reddy, N. Subbarami Reddy, Tensile and Thermal Properties of Natural fiber Sorghum Valgaris (Poaceae) Reinforced Epoxy Composites: Effect of Fiber length, **Invited paper** international conference on Advancements in Polymeric Materials, March 25-27, 2011.

5. **M. Ashok Kumar**, G.Ramachandra Reddy, G.Harinatha Reddy, Performance of Natural Fiber Zea Mays Reinforced Epoxy Composites: Effect of fiber Orientation, **Invited paper** International conference on Advancements in Polymeric Materials, March 25-27, 2011.
6. **M. Ashok Kumar**, 5th national Conference on Plastic and Rubber Technology Conducted 25-26th April 2011, **participated**, Sri Jayachandra College of Engineering, Msore, 570006.
7. **M. Ashok Kumar**, K.Hemachandra Reddy, Y.V.Mohana Reddy, Mechanical Properties of Randomly Oriented Short Sansevieria Trifasciata Fiber/Epoxy Composites, Invited paper, UGC SAP Sponsored national Seminar on Design ECO- Polymers for Universal Sustenance(DEPUS-2011),march30-30,2011, Department of Chemistry, Kakateya university, Warangal-506009.
8. T.Ranjeth Kumar Reddy, T. Subba Rao, R. Padma Suvarna, **M. Ashok Kumar**, Studies on thermal characteristics of cow dung powder filled Glass–polyester hybrid Composites, **paper presented**.

WORKSHOPS ATTENDED

1. **M.Ashok Kumar**, attended one day seminar on Quality development on Technical Education 29th Dec,2015, organized by Pullaiah College of Engineering, Kurnool
2. **M.Ashok Kumar**, attended a two-day national level workshop on Development and analysis of Composite Materials Organized by Dept. of Mechanical Engineering, G.Pulla Reddy Engineering College (Autonomous)-Kurnool during 9th and 10th October,2015.
3. **M.Ashok Kumar**, Attended a four-day FDP (i.e. 20-5-2015 to 23-5-2015) on “Manufacturing of steels and waste management in steel industry” at Bellary Inst of Tech and Sciences, Bellary, Karnataka state.
4. **M. Ashok Kumar**, Attended workshop on Recent Trends in Tribology, Nanotribology, and Biotribology on 29th and 30th Nov.2013 at SVEC, Titupathi.
5. **M. Ashok Kumar**, Appreciation certificate for AeroTriX, a two-day workshop held on 6th and 7th Aug 2014 on design, fabrication, testing and flaying of RC Biplane in association with IITK.
6. **M. Ashok Kumar** has participated in one day workshop on “Domain Knowledge Augmentation in Mechanical Engineering” held on 6th May 2014 at Bellary Institute of Technology & Management, Bellary.

7. **M. Ashok Kumar**, Attended workshop on Advanced Manufacturing Systems Simulation – hands on training on 08th – 09th Sep, 2014 at SVEC, Titupathi.

PROJECTS & THESIS GUIDED

Course	UG	PG
No. of Students	150	5

HOBBIES

Watching TV & Making innovative things, DIY, Playing Shuttle, Reading Novel etc

Nationality : Indian

Languages Known : English, Tamil, Kannada, Tamil, Hindi and Telugu.

8.

Family details

Father name: M.Eswarappa

Father occupation: Former

Mother name: M. Lakshmi Devi

Occupation: House wife

Brothers & Sisters: four (i.e. two brothers and two sisters)

Name of the wife: Geetha Rani

Works for: SCR/DRM office/GTL as a CHOS

No of children: Two

Declaration

I hereby informed that all the above information furnished is true to my knowledge.

Signature of the faculty



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