

# IEI

# Epitome

February 2018, Volume 3, Number 2

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# Members

# in the News

## Mr. B. K. Gavit, AMIE

Assistant Professor, Department of Soil and Water Engineering, Dr. A. S. College of Agril. Engg. & Technology, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra



Awarded Ph.D. on the topic "Rainfall Runoff Modelling for Upper and Middle Godavari sub Basin Using Remote Sensing and Geographic Information System" in the Department of Soil and Water Engineering from Maharana Pratap University of Agriculture and Technology, Udaipur in December 22, 2017.

## Prof. Vijayan Gurumurthy Iyer, FIE

Dean (R & D), Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous), (Affiliated to Jawaharlal Nehru Technological University Kakinada), Narasaraopeta, Guntur District, Andhra Pradesh

● Enlisted biography in the biographical reference book entitled "2000 Outstanding Intellectuals of the 21st Century" 10th Edition (ISBN: 978 1 90 3986 31 8) by International Biographical Centre (IBC), Cambridge, England, Great Britain, United Kingdom, Published by Melrose Press Ltd., UK (Ref. TINT10/row/inv, dated 3 rd March 2017), pp.258, pp.1193.



● Enlisted biography in the biographical reference book entitled "Dictionary of International Biography (D.I.B.)" (ISBN: 978 1 90 3986 35 6) 39th Edition by International Biographical Centre (IBC), Cambridge, England, Great Britain, United Kingdom, Ref. DIB39/typ, dated 1 March 2017 Published in 2018 (Print) by Melrose Press Ltd., UK.

● Enlisted biography in the biographical reference book entitled "Who's Who in the World" (ISBN-978-0-8379-1139-7, ISSN-83-9825, LCCN-79-139215), 33 rd Edition 2016 Published in 2016 by Marquis Who's Who LLC publications, New Providence, NJ, USA.

## Mr. Malvinder Singh, FIE

Chairman, IEI, Roorkee Local Centre

● A subject of biographical record in Asia Pacific Who's Who Vol. XVI 2017-18 compiled by Refarimen to International, New Delhi the endeavour has been to focus for dedication and efforts of the concerned individual that left an indelible mark on the lives for distinguished accomplishment and betterment of contemporary society in the field of Quality Management.



● Marquis who's who Publication Board USA has selected Mr. Malvinder Singh for 2018 Albert "Nelson Marquis Lifetime Achievement" Award as a result of dedicated hard work to outstanding accomplishments in 'Quality Management' profession.

● Select for 'Diamond of Asia International Award' by Economic Growth Society of India in recognition of superb achievements and distinguished role in the development of the economic social activities.

## Mr. John Martin, AMIE

Design Head at Peco Valves Pvt. Ltd., Mumbai

Successfully completed QMS Training for Lead Auditor - ISO 9001:2015 conducted by DNV-GL, Mumbai.



## Dr PC Jain, FIE

Scientist 'G' & Head Structures Dept., Associate Technology Director DOFS DRDL, Defence Research & Development Organisation (DRDO), Ministry of Defence, Govt. of India, Hyderabad



● Inducted as an Associate Fellow of American Institute of Aeronautics and Astronautics.

● Received Dr. Biren Roy Space Science Award from Karnataka Government.

# Members

# in the News

## **Lt. Col. Vias Dev Gulati (Retd), FIE**

*Corporate Member, The Institution of Engineers (India)*

Honoured with Bharat Jyoti Puraskar by Best Citizen Publishing House, The World most leading Biographical Specialists. The Award was conferred on me by Post. The Award consist of a Certificate along with other 163 prominent personalities of the country which include Engineers, Doctors, Scientists and people from various walks of life.



## **Mr. Suraj Prakash, MIE**

*Project Manager- International Projects (T&D), Tanzania for KEC International Ltd.*



Received Project Management Professional Certificate on 9th Jan 2018 from Project Management Institute.

## **Prof. M. D. Mathew, FIE**

*Dean, Postgraduate and Research Studies & Knowledge Management, SAINTGITS College of Engineering, Kottayam, Kerala*

Selected to attend ABET (Accreditation Board for Engineering and Technology) Program Evaluator Training. ABET is an international accrediting agency. ABET accreditation sets the global standard for programs in applied and natural sciences, computing, engineering and engineering technology. Graduates from an ABET-accredited program will have a solid educational foundation and will be capable of leading the way in innovation, emerging technologies, and in anticipating the welfare and safety needs of the public.



## **Mr. Gudikandhula N Rao, AMIE**

*Department of Geo-Engineering & Centre for Remote Sensing, Andhra University, Visakhapatnam*

Received the outstanding “International Young Scientist Award – 2017” by the International Science Congress (ISC-2017) at College of Science Technology, Royal University of Bhutan, Chukka, Bhutan held on December 08-09, 2017.



## **Dr. S. Palanivelrajan, AMIE**

*Associate Professor, Department of Electronics and Communication Engineering, M. Kumarasamy College of Engineering (Autonomous), Thalavapalayam, Tamilnadu*

- Awarded Ph.D by Anna University, Chennai in March 2017. His topic of research was “Certain Investigations on Mobile Tele Alert System for Cardiac Monitoring”.
- Received Best Paper Award for paper entitled “Systematic Investigation on Segregation of Heart Sounds from Lung Sounds for the extrapolation of breathing Syndromes” in National Conference on Advanced Signal Processing, Communication and Networking, P.S.N.A College of Engineering and Technology, Dindugal, March 2017.



- Received “Best Performer Award (Stood 1st Position)” of the academic year 2016-17 by the College Management of M. Kumarasamy College of Engineering (Autonomous), Karur on July 21, 2017.

## **Mr. Surender Phogat, AMIE**

*Sr. Engineer (Ash Handling Plant- Operations), Jhajjar Power Ltd. (A CLP India Company), MGTPP, Jhajjar, Haryana*

Participated 3 days Professional Development Programme on Best Practices in O&M of “ESPs & Performance Improvement” held on 19-21 December 2017 at Engineering Staff College of India, Hyderabad.





# Members

# in the News

## Mr. K. Srinivasa Rao, AMIE

Scientist/Engineer-SD, Engineer-In-Charge(Ele), CMG/NRSC/ISRO/ Hyderabad, Telangana

Completed Post-graduation from Jawaharlal Nehru Technological University, Hyderabad.



## Mr. Ajit Kumar, AMIE

Assistant Professor, Department of Mining Machinery Engineering, Indian Institute of Technology (Indian School of Mines), (Govt. of India), Dhanbad, Jharkhand



Received Young Researcher-Republic Day Achievers' Award for the year 2017 hosted by IIR (Integrated Intelligent Research) group on 18.01.2018 at LICET Auditorium,

Chennai. The award recognizes the outstanding best practices and contribution in the field of education and research.

## Prof. Premanand Shenoy, MIE

Civil Engineering Department, Sahyadri College of Engineering, Mangalore, Member

Written an article for the internship of the Engineering Students "the Student Internship Programme – Concept And Roles".



## Dr. Pani Sharnappa, MIE

Selection Grade Lecture, Dept of Mechanical Engg Govt Polytechnic Kalburgi, Karnataka



Awarded PhD in the Faculty of Mechanical Engineering Science by Visvesvaraya Technological University, Belgaum, Karnataka.

## Dr. Pranjal Kumar Phukan, M.I.E

Regional General Secretary, CASI Global US, Executive Council Member, GLG, Hong Kong, Brand Ambassador, International Academy of Science, Engineering & Technology, New Delhi

Invited as a Speaker in World Education Summit 2018 at Bangalore.

7th World Education Summit was a grand success, held on 9th Sep 2017 at Hotel Fortune Select Trinity, Bangalore, India.



## Mr. Satish Kumar, AMIE

Research Scholar, Department of Civil Engineering, Indian Institute of Technology Delhi, New Delhi



Presented paper entitled "Analysis of Urban Drainage Simulations of Immensely Urbanized Watershed using PCSWMM Model" in the International conference on Water & Waste Water Management & Modelling (ICWWMM-2018) held at Central University of Jharkhand,

Ranchi on January 16-17, 2018.

## Dr. Pushan Kumar Dutta, MIE

Assistant Professor and Research Coordinator, Department of Electronics and Communication Engineering RGM College of Engineering and Technology, Nandyal, Kurnool, Andhra Pradesh

• Elected as a Research- in -Charge of the College and Coordinator of Research Body in the College of Rajeev Gandhi Memorial College of Engineering and Technology.

• Elected as a Senior Fellow of International Economics Development Research Center, Taiwan for research.

• Elected as an Executive Ordinary Member of Institute of Engineering and Technology (United Kingdom) Kolkata Network for doing research based work in Eastern India.



# Members

# in the News

## Mr. Chandrakant Appasheb Kapse AMIE

Director, M/s Ammecs Universal Consultant, Mumbai

- Certificate of Appreciation from M/s OCEM S.s. r. l., ITALY.
- Certificate of Appreciation from M/s Longinotti Grouo, Italy
- Certificate of Recognition from M/s Terrazzo, Sharjah, UAE



## Mr. Bajerao Chavan, MIE

Deputy Manager (Electrical), National Fertilizers Ltd, Bathinda



- Attended two days workshop organized by International Business Conferences from July 19-20, 2017 on "Industrial Static Equipments & its Safe Operating Principles".

- Attended five days training program on "Project Planning and Monitoring" organized by Ministry of Statistics & Programme Implementation, New Delhi from 27th November to 1st December 2017 and received certificate in Project Management after passing an examination conducted by International Institute of Projects & Program Management (i2P2M).

## Prof. Amar Kumar Das, MIE

Asst. Prof., Department of Mechanical Engineering Gandhi Institute for Technology (GIFT), Bhubaneswar

Presented a paper entitled "Energetic and Exegetic Performance Analysis of a CI engine fuelled with Plastic Pyrolytic Oil with diesel blends" in the Springer approved '1st International Conference on the Energy, Materials and Information Technology (ICEMIT'17)' during December 23-24, 2017 sponsored by SERB-DST, Govt. of India at ,Amity University, Jharkhand.



## Mr. G. Nageswar Rao, MIE

Deputy Manager, Area Environment Officer, Manuguru Area, Singareni Collieries Company Ltd

- Attended Training on "Environmental officers of SCCL" on the topic 'Self audit on Environmental Aspects', during November 22-23, 2017 at Central for Science & environment New Delhi.



- Attended National Seminar at NLC India Limited (Navratna-A Govt of India Enterprise) during January 20-22, 2018 at Neyveli, Tamilnadu.

Attended the Seminar on "Emerging coal/Lignite Mining Scenario & Mine Closure Activities Issues, Challenges and Way Forward" on the topic 'Open Cast Coal Mining and Reclamation Methods followed in SCCL Mines', pp 42.

## Prof. G. Madhu, FIE

Division of Safety & Fire Engineering and Head, Division of Chemical Engineering (Former DEAN, Faculty of Engineering), (Former Principal, School of Engineering), School of Engineering Cochin University of Science and Technology, Kochi, Kerala

Received Prof. K.M. Bahauddin Award for the distinguished Engineering Teacher of Kerala 2018. This is a biennial award given by the NIT Calicut Alumni Association, Kochi Chapter.



## Prof. Abhijit Mitra, FIE

Principal, Gargi Memorial Institute of Technology, Kolkata

Attended a one day "AICTE AQIS Scheme & Master Trainer Workshop" at Heritage Institute of Technology (HIT), Kolkata on 22.11.2017 as a nominated member of DTE, Govt of West Bengal.



# Publications by Members

## Mr. S. Nagaraju, FIE

Scientific Officer-G, Homi Bhabha National Institute & Bhabha Atomic Research Center, Mumbai

**Title of Paper :** “Zone wise Evaluation of Impression Creep Behaviour of 9Cr-1Mo Steel Weld Joints”. *International Congress 2017, Chennai. (IC-2017). Organised by Indian Institute of Welding, December 2017.*

Co-author(s) : P. Vasantharaja, M. Vasudevan



## Prof. Ujjaval J. Patel, MIE

Head, Department of Electrical Engineering, Vadodara Institute of Engineering, Vadodara

**Title of Paper :** “Fault Detection & Classification using Innovative MFCDFT based Slope Tracking Method for Digital Distance Protection”, *7th IEEE International Conference on Power Systems (ICPS 2017), December 21-23, 2017, COEP, Pune.*

Co-author(s) : N. G. Chothani, P. J. Bhatt



## Mr. Jacob John, MIE

Assistant Professor, Department of Mechanical Engineering, Dayananda Sagar College of Engineering, Bangalore



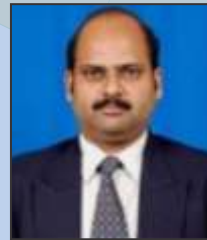
**Title of Paper :** “Influence and Optimization of Input Parameters on Mechanical Properties of Friction Stir Processed AA 2014-T6”. *International Conference on Advances in Materials & Manufacturing Applications (IConAMMA2017). Amrita Vishwa Vidyapeetham University Bangalore,*

*August 17-19, 2017.*

Co-author(s): S.P Shanmuganatan, M.B Kiran

## Mr. Sivaprakash. C, MIE

Assistant Professor & Head, Dept. of ECE, Sri Sairam College of Engineering, Bengaluru



**Title of Paper :** “Knowledge Based Cache update for Domain Name System” *International Journal of Engineering Research in Computer Science & Engineering (IJERCSE), Vol 4, Issue 11, Nov 2017.*

[DOI:01.1617/vol4iss11/pid97528, ISSN (online): 2394-2320, IMPACT

FACTOR: 4.890, UGC Approved Journal]

Co-author(s) : Arvind Kumar C S, Prabha S, Dr. Pauline. A

## Dr. Jigar Sura, AMIE

Assistant Professor, Department of Aerospace Engineering, Amity University



**Title of Paper :** “CFD Simulation of Hypersonic Shock Tunnel Nozzle”, *7th International Conference on Theoretical, Applied, Computational and Experimental Mechanics, Department of Aerospace Engineering, Indian Institute of Technology, Kharagpur 721302,*

*December 28-30, 2017.*

Award : Best Oral Presentation Award in Aerodynamics Track

## Ms. M. S. Aezhisai Vallavi, AMIE

Assistant Professor, Department of Mechanical Engineering, Government College of Technology, Coimbatore

**Title of Paper :** “Assessment of cutting force surface roughness in LM6/SiCpusing response surface methodology”, *Journal of Applied Research and Technology , Vol 15, pp 283-296. 2017.*

Co-author(s) : Mohan Das Gandhi Nachimuthub, Velmurugan Cinnasamy





# Publications by Members

## Mr. Yogendra Arya, AMIE

Assistant Professor, Electrical and Electronics Engineering Department, Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi

**Title of Paper :** “Optimal Automatic Generation Control of Two-area Power Systems with Energy Storage Units under Deregulated Environment,” *Journal of Renewable and Sustainable Energy*, vol. 9, no. 6, pp. 064105–20, November 2017.



[DOI: <https://doi.org/10.1063/1.5018338>. Impact Factor = 1.135, Publisher: American Institute of Physics]

Co-author(s) : N. Kumar and S.K. Gupta

**Title of Paper :** “Comparative performance investigation of optimal controller for AGC of electric power generating systems,” *Automatika – Journal for Control, Measurement, Electronics, Computing and Communications*, vol. 57, no. 4, pp. 902–921, October-December 2016. DOI : [10.7305/automatika.2017.12.1707](https://doi.org/10.7305/automatika.2017.12.1707), Impact Factor = 0.380, Publisher: Taylor & Francis

Co-author(s) : P. Dahiya, P. Mukhija and A. R. Saxena

## Mr. Y. Kamala Raju, MIE

Assistant Professor of Civil Engineering Gokaraju Rangaraju Institute of Engineering & Technology (GRIET), Bachupally, Kukatpally, Hyderabad, Telangana



**Title of Paper :** “Autoclaved Aerated and Cellular Fly ash Concrete Blocks For Building Constructions”, *Proceedings National Conference On Recent Innovations In Civil Engineering (RICE-2017) December 15-16, 2017, GRIET, Hyderabad, India. ISBN 978-93-5279-269 PP 259-264.*

Co-author (s) : R. Meher Babu and Mohd. Hussain

## Mr. S. A. Rizvi, MIE

Workshop Superintendent, University Polytechnic, JMI, New Delhi

**Title of Paper :** “Determination the Effect of Machining Parameters on Roughness in Turning Operation of DIN 17210 Steel using Taguchi Technique’ in *Journal of Production Engineering, Vol. 20, No. 2, (2017), pp. 7-12.*



## Prof. Vijayan Gurumurthy Iyer, FIE

Dean (R & D), Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous), (Affiliated to Jawaharlal Nehru Technological University Kakinada), Narasaraopeta, Guntur District, Andhra Pradesh

**Title of Paper :** “Total Quality Management (TQM) in Education Sector and its Implementation Framework Towards Sustainable National Development”. *32nd Indian Engineering Congress, Theme entitled “Innovation in Engineering: Competitive Strategy Perspective” (ISBN: 978-93-86724-29-8) held during December 21-23, 2017 at Chennai Organized by The Institution of Engineers (India), Published in the Technical Volume by Excel India Publishers, New Delhi, Technical Volume Proceedings pp. 412-421.*



**Title of Paper :** “Environmental Health Impact Assessment (EHIA) Process for Industrial Concrete Batching Plants”, *In Abstract book of the 4th World Conference on Psychology Sciences (WCPSY) organized by Academic World Education and Research Center during December 7- 9, 2017 at Thessaloniki, Greece, pp 11.*

**Title of Paper:** “Environmental Health Impact Assessment (Ehia) Process for Nuclear Power Plant Project Towards Sustainable Nuclear Power Development”, *In Program Book of 4th World Conference on Psychology and Sociology (WCPS-2016) at Hammamet, Tunisia (Session 5 14.20-14.40) during November 24-26, 2016 organized by Academic World Education and Research Center, [www.awer.center.org](http://www.awer.center.org), [www.psysoc.net](http://www.psysoc.net), Program book, pp. 13/15, abstracts book, pp 6.*

# Publications by Members

## Dr Nagesh K Tripathi, MIE

Scientist 'C', Defence R & D Establishment, Jhansi Road, Gwalior

**Title of Paper :** "Activated Carbon Fabric: An Adsorbent Material for Chemical Protective Clothing", *Defence Science Journal*; Volume No. 68; Issue No. 1; Page No. 83-90; Year 2018.



Co-author(s) : Virendra V Singh, Manisha Sathe, Vikash B Thakare and Beer Singh

**Title of Paper:** "Evaluation of Antibody Response Against Recombinant Domain III Proteins of Dengue Virus Type 1 and 2", *AIMS Microbiology*, Vol. 3; Issue 2; pp248-266; Year 2017.

Co-author : Ambuj Shrivastava

**Title of Paper :** "Pilot Scale Production of Activated Carbon Spheres Using Fluidized Bed Reactor and its Evaluation for the Removal of Hexavalent Chromium from Aqueous Solutions", *Journal of The Institution of Engineers (India): Series E*; Vol. 98; Issue 2; pp 141-147; Year 2017.

Co-author(s) : Manisha Sathe

## Dr. Ajay Sharma, MIE

Asst. Professor, Government Engineering College Jhalawar, Rajasthan



**Title of Paper :** "Transmission Expansion Planning Problem using Fibonacci Inspired Spider Monkey Optimization Algorithm", *International Journal of Swarm Intelligence*, Inderscience 2016.

Co-author(s) : Harish Sharma, Annapurna Bhargava & Nirmala Sharma

**Title of Paper :** "Design of PIDA Controllers for Induction Motors using Spider Monkey Optimization Algorithm", *International Journal of Metaheuristics*, Inderscience, 5(3-4), pp 278-290, 2016.

Co-author(s) : Harish Sharma, Annapurna Bhargava & Nirmala Sharma

## Mr. M. Coumarane, MIE

Deputy Chief Engineer/Electrical, NLC India Ltd, Neyveli. TN

**Title of Paper :** "Innovative Technique Implementation on Solar Pump Operation at NLCIL, Neyveli, Tamilnadu". Presented and published in the Indian Engineering Congress - IEC-2017, which has conducted at Chennai on Dec 21-23, 2017.



## Mr. Aniket Deshpande, AMIE

Research Scholar, Department of electrical engineering, VJTI, Matunga Mumbai, Maharashtra

**Title of Paper :** "Distributed Self-triggered Control for Asymptotic Synchronization in Inverter based Microgrids", *International Journal of Dynamics and Control* <https://link.springer.com/article/10.1007%2Fs40435-017-0377-8#citeas>



## Dr. Rajeev Kumar Chauhan, MIE

Assistant Professor, Department of Electronics and Instrumentation Engineering, Galgotias College of Engineering and Technology Greater Noida, India



**Title of Paper :** "Real Time Energy Management System for Smart Buildings to Minimize the Electricity Bill," *International Journal of Emerging Electric Power Systems*, DE GRUYTER, vol. 18, no.3, pp. 1-15, June 2017.

Co-author(s) : B. S. Rajpurohit, S. N. Singh and F. M. Gonzalez-Longatt

**Title of Paper :** "Optimization of Grid Energy using Demand and Source Side Management for DC Microgrid," *Journal of Renewable and Sustainable Energy*, vol. 9, no.3, pp. 035101-15, May 2017.

Co-author : K. Chauhan



# Publications by Members

## Dr. Monika Mathur, MIE

Associate Professor, Electronics and Communication Department, SKIT Jaipur

**Title of Paper :** "A Compact Coplanar Waveguide Fed Wideband Monopole Antenna for RF Energy Harvesting Applications".

Title of Journal : Progress in Electromagnetic Research M, Vol. 63, pp.175-184, 2018.



## Dr. Sirisha Adamala, AMIE

Assistant Professor, Department of Applied Engineering, VFSTR, Vadlamudi, Andhra Pradesh



**Title of Paper :** "Geospatial Technique for Delineation of Groundwater Potential Zones in Mine and Dense Forest Area Using Weighted Index Overlay Technique", *Groundwater for Sustainable Development*. DOI:10.1016/j.gsd.2017.12.001

Co-Authors: Surajit Murasingh, Ramakar Jha

## Prof. Chi-Ming Lai, FIE

Associate Vice President for Academic Affairs University Distinguished Professor of Civil Engineering, National Cheng-Kung University, Taiwan

**Title of Paper :** "Experimental Investigation of the Daily Thermal Performance of amPCM Honeycomb Wallboard". *Energy and Buildings*, 159 : 419 - 425. (IF = 4.067, SCIRankFactor: 3/125=2.4%).

Co-author(s) : Shiu-an-Man Wang, Peter Matiašovský and Peter Mihálka

**Title of Paper :** "Numerical Simulation of the Thermal Performance of a Dry Storage Cask for Spent Nuclear Fuel". *Energies*, 11(1): 149. (IF=2.262, SCIRankFactor: 45/92=48.91%).

Co-author(s): Heui-Yung Chang and Rong-Horng Chen



## Mr. Manas Kumar Parai, AMIE

Asst. Professor, Dept. of ECE, Siliguri Institute of Technology, Siliguri

**Title of Paper :** "Parametric fault detection of analog circuits based on Bhattacharyya measure", *Analog Integrated Circuits and Signal Processing, Springer International Journal, Special Issue on IEEE Latin American Symposium on Circuits and Systems, ISSN 0925-1030, Volume 76, No. 3, pp 477-488 Oct 10, 2017, https://doi.org/10.1007/s10470-017-1052-x*

Co-author(s) : Supriyo Srimani, Kasturi Ghosh and Hafizur Rahaman



## Mr. S. R. Kumbhar, MIE

Assistant Professor, Automobile Engineering Department Rajarambapu Institute of Technology, Rajaramnagar. Post-Sakharale. Tal. Walwa Dist. Sangli, Maharashtra

**Title of Paper :** "Curriculum Development of Automobile Engineering Undergraduate Program at an Autonomous Institute", *Journal of Engineering Education Transformations, Volume 31, No.3, January 2018, ISSN 2349-2473, eISSN 2394-1707, pp. 271-280.*

Co-author : Satyajit R. Patil



**Title of paper :** "Curriculum Development of Automobile Engineering Undergraduate Program at an Autonomous Institute", *Fifth International Conference on Transformations in Engineering Education (ICTIEE-2018), Thiagarajar College of Engineering, Madurai, Tamilnadu, India, January 8-9, 2018.*

Co-author : Satyajit R. Kumbhar

**Title of Paper :** "Undergraduate Research Experience (URE): A New Dimension in Curricular Redesign", *Fifth International Conference on Transformations in Engineering Education (ICTIEE-2018), Thiagarajar College of Engineering, Madurai, Tamilnadu, India, January 8-9, 2018.*

Co-author(s) : Abdulrashid Attar, Martand Telsang

# Publications by Members

## Dr. Bikash Routh, MIE

VIT, Vellore, SMEC

**Title of Paper :** “Analysis of coning and lubrication at flexspline cup and cam interface in conventional harmonic drives”, *Industrial Lubrication and Tribology*, vol: 69/6, year: (2017), pp: 817–827, Pub: Emerald Publishing Limited [ISSN 0036-8792][DOI 10.1108/ILT-07-2016-0150]



## Prof. P. Shanmugasundaram, FIE

Head, Department of Mechanical Engineering, Karpagam Academy of Higher Education, Karpagam University, Coimbatore

**Title of Paper :** “Emission Analysis of an Engine Operating on Corn Oil Methyl Ester Blends with Air Pre-Heater”, *International Journal of Renewable Energy Research*, Vol.7, No.4, 2017.



Co-author(s) : V. Gopinath, P. Suresh

## Dr. Shankar H. Sanni, MIE

Associate Professor, Department of Civil Engineering, Basaveshwar Engineering College, Bagalkot, Karnataka

**Title of Paper :** “Experimental Investigations of Reinforced Geopolymer Concrete Beams”, *ICI Journal*, July–Sept. 2016, pp. 29-37.



Co-Author: R. B. Khadiranaikar

**Title of Paper :** “Glass powder as Partial Replacement of Fine Aggregate in Concrete”, *International Journal for Research and Development in Technology*, Vol. 7, April 2017, pp. 412-415.

Co-Author : Manjunath Pujari.

## Mr. Sita Ram Bhardwaj, AMIE

Research Scholar, EED NITHamirpur, Himachal Pradesh

**Title of Paper :** “Integrated Tuning of Modified PID Load Frequency Controller for Two Area Interconnected System Including Renewable Energy Sources”. *Proceedings of the 7th Power India International Conference (PIICON)*, pp-1-6, organized by Govt. Engineering College Bikaner Rajasthan India, November 25-27, 2016.



Co-authors : Preeti Sonkar, O. P. Rahi, and K. S. R Murthy

## Ms. Mini Rajeev, FIE

Associate Prof. Fr. C. Rodrigues Institute of Technology, Vashi, Navimumbai

**Title of Paper :** “Realization of a Novel Transformer-less Grid-PV Interfaced Inverter”. *2nd International Conference IEEE CCUBE 2017, R.N. Shetty Institute of Technology, Bangaluru, Karnataka, December 15-16, 2017.*



**Title of Paper :** “Single Phase Current Source Inverter with Multi Loop Control for Transformer-less Grid -PV Interface”, *accepted for publication in IEEE Transactions of Industry Applications*, in April 2018 issue. The paper won Best Paper of the Conference Award.

**Title of Paper :** “Examination of induction motor drive using GTO chopper based slip power recovery scheme with different inverter configurations”. *IEEE International Conference on Power, Control, Signals & Instrumentation Engineering (ICPCSI-2017) organized by Saveetha Engineering College Thandalam, Chennai, India, 21st & 22nd September, 2017, pp-1-6.*

Co-authors: O. P. Rahi, Veena Sharma, K. S. R. Murthy and Preeti Sonkar

**Title of Paper :** “Investigations in to Induction Motor Drive using Slip Power Recovery Scheme with GTO Inverter and Chopper”. *14th IEEE India Council International Conference (INDICON) organized by Indian Institute of Technology Roorkee, India, 15th -17th December, 2017, pp-1-6.*

Co-authors: O. P. Rahi, Veena Sharma, and K. S. R. Murthy

# Publications by Members

## Mr. Sanjib Kumar Koley, MIE

Department of Mechanical Engineering, Maharishi Markandeswar University, Sadopur (Ambala), Haryana

**Title of Paper :** "Progress in the Effective Utilization of Polyaniline", *All India Seminar on Advances in Mechanical Engineering 2016, organized by Institution of Engineers (India), Haryana State Centre, at Maharishi Markandeswar University, Sadopur (Ambala), Haryana on August 26-27, 2016.*



Co-author : Lakshya Aggarwal

**Title of Paper :** "A Review on Progress of Bagasse and Coir Fibre Composites and their Mechanical Performances", *International Organization of Scientific Research - Journal of Mechanical and Civil Engineering, Vol. 14, Issue 3, Ver. V, pp. May-June 68-72, 2017.*

[DOI: 10.9790/1684-1403056872]

Co-author(s) : Lakshya Aggarwal, Ravinder Singh Joshi and Bikram Jit Singh

**Title of Paper :** "Investigation on Mechanical Properties of Hybrid Fibre Reinforced Polymer Composites", *International Journal of Engineering Research and Application. Vol. 7, Issue 7, Part 7, pp. 86-92, July 2017.*

[DOI: 10.9790/9622-0707078692]

Co-author : Lakshya Aggarwal

## Dr. S. Palanivelrajan, AMIE

Associate Professor, Department of Electronics and Communication Engineering, M. Kumarasamy College of Engineering (Autonomous), Thalavapalayam, Karur, Tamilnadu

**Title of Paper :** "Diagnosis of Cardiovascular Diseases using Retinal Images through Vessel Segmentation Graph", *Current Medical Imaging Reviews (Bentham Science Publisher), E-ISSN No.: 1875-6603, P-ISSN No.: 1573-4056, Vol. No.: 13, Issue : 4, pp. 454-459, (Impact Factor – 0.613), November 2017. (Indexed in SCOPUS & SCIE)*



## Mr. Padma Charan Mishra, MIE

Dy. Manager (Electrical), The Bisra Stone Lime Company Limited (A Central PSU), and Research Scholar at Institute of Business and Computer Studies, Siksha O Anusandhan (Deemed University), Bhubaneswar



**Title of Paper :** "Attributes affecting production and productivity in opencast mines" : *International Journal of Advanced Operations Management, 8(3), 225-245. (2016).*

[doi:10.1504/ijaom.2016.081306]

Co-author(s) : Mishra, U. S., Mall, M., & Mohanty, M. K.

**Title of paper :** "Who are Hindering Shop Floor Productive Hours? An Exploratory Finding from Discrete Manufacturing Industries of India", *Int. J. Productivity and Quality Management, Vol. 22, No. 4, pp.485-498. (2017).*

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Co-author(s) : Mohanty, M. K., Mall, M. & Mishra, U. S.

## Mr. Rana Amitkumar V., AMIE

Asst. Professor, Department of Civil Engineering, P P Savani School of Engineering, P P Savani University, Kosamba, Gujarat

**Title of Paper :** "Influence of Urban Components on Travel Pattern of the People: A Case of Surat City of Gujarat", *International Journal of Advance in Engineering Technology, Management and Applied Science (IJAETMAS), 4(11), pp 86-102.*



Co-author(s): Ravin M. Tailor, Pankaj J. Gandhi and Niraj D. Shah



# Publications by Members

## Mr. Arshad Shareef, MIE

Assistant Professor - Department of CSE, Exam Cell Incharge & PG Incharge, Arkay College of Engineering & Technology, Bodhan, Dist. Nizamabad, Telangana

**Title of Paper :** "An Optimal Task Scheduling Strategy in Cloud Computing Environment Utilizing FFA-PSO Algorithms", *International Journal of Advance Research in Science & Engineering*, Volume No. 06, Special Issue No. (01), Dec 2017, ICASES-17, ISSN(O):2319-8354, ISSN(P): 2319-8346.



**Title of Paper :** "Development of an Integrated Model using Artificial Neural Networks & Genetic Algorithms for Detection of Spam E-Mails" in *Airo National Research Journal*, Volume XII, ISSN: 2321-3914, Dec 2017 & *Airo International Research Journal*, Volume XIII, ISSN: 2320-3714, Dec 2017, under the supervision of Dr. R.P. Singh, Vice-Chancellor, Sri Satya Sai University of Technology & Medical Sciences (SSSUTMS), Sehore, Bhopal, M.P.

**Title of Paper :** "Life Time Enhancement of Wireless Sensor Networks using Fuzzy-ACO Combination Along with Enhanced Clustering Scheme", *Proceedings of International Conference on Trends in Information, Management, Engineering & Sciences (ICTIMES)*, Malla Reddy College of Engineering, Hyderabad, Telangana, India, November 29-30, 2017.

Co-authors : Ursa Sayeed, Dr. P.A. Abdul Saleem.

## Mr. Himanshu Agrawal, AMIE

Research Scholar, (Mechanical Engineering), NIT Kurukshetra, Haryana

**Title of Paper :** "Promoting Scheffler Solar Concentrator in India :The Role of MNRE", *National Conference on Recent Advances in Mechanical Engineering (NCRAME 2017)*, Mechanical Engineering Department, National Institute of Technology, Kurukshetra, Haryana Vol II, ISBN: 978-93-86256-89-8, June 02-03, 2017.



## Mr. C. P. Kumar, FIE

Scientist 'G', National Institute of Hydrology, Roorkee Uttarakhand



**Title of Paper :** "Water Security – Challenges and Needs", *International Educational Scientific Research Journal (IESRJ)*, ISSN: 2455-295X, Volume 4, Issue 1, January 2018, pp. 26-29.

## Prof. V. V. Narendra Kumar, FIE

CSE/IT, Vice Principal, St. Mary's Group, Hyderabad

**Title of Paper :** "Data Science as an Interdisciplinary Field for Knowledge Discovery", *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCCE)*, ISSN (Online) 2278-1021 ISSN (Print) 2319-5940, Vol. 6, Issue 12, pp 42-51, December 2017.



## Dr. Golagani AVR C Rao, AMIE

Associate Professor, CSE Department, Medha Institute of Science and Technology for Women, Khammam, Telangana. Affiliated to JNTUH



**Title of Paper :** "Words Extracting Provider for Rail Disasters", *International Journal Of Innovative Technology and Research*, Vol. :5 , Issue 5, pp. 1-3, 2017/9.

Co-author : Vanka Lavanya

## Mr. V. Nagendran, FIE

Chairman, M/s NAGMAN's Centre for Calibration, Chennai

**Title of Paper :** "An Innovative Concept, Method for Wet Calibration of Primary & Interface level - of Multiple, Multibrand Level Devices". *International Journal of Current Research*, Vol. 9, Issue, 11, pp.60329-60331, November, 2017.



# Publications by Members

## **Prof. C. M. Narayanan, MIE**

Former Professor, Department of Chemical Engineering,  
National Institute of Technology,  
Durgapur

**Title of Paper :** "Biodiesel Synthesis and Bioreactor Design – An Overview" *Indian Journal of Chemical Technology, Vol.24, No.6, pp.575–92, November, 2017.*

Co-author(s) : Tripti De and Jaya Sikder



## **Ms. Damyanti G Badagha, AMIE**

Research Scholar, Applied Mechanics Department,  
Sardar Vallabhbhai National Institute of Technology,  
Surat, Gujarat



**Title of Paper :** "Effect of Steel Industry Waste as a Cement Replacement to Produce Sustainable Concrete Considering Strength and Durability", *American Society of Civil Engineering India Conference, Indian Institute of Technology, Delhi December 12-14, 2017 pp 69.*

Co-author : CD Modhera

**Title of Paper :** "Critical Reviews on Utilization of Steel Industry Waste in Concrete Considering Environment Issues and Solution", *32nd Indian Engineering Congress, Theme: Innovation in Engineering: Competitive Strategy Perspective, December 21-23, 2017, Chennai., Published in Technical volume of 32nd Indian Engineering Congress (Institute of Engineers), pp. 78-82, Excel India Publishers.*

Co-author : CD Modhera

**Title of Paper :** "Parametric Experimental Studies on Sustainable Concrete Containing Waste under Different Curing Conditions", *International Conference on Sustainable Technologies in Building and Environment (Icstbe-2018). Sathyabama University, Chennai, January 23-25, 2018, pp. 25, ISBN: 978-93-83409-41-9.*

Co-author : CD Modhera

## **Dr. Md.Sirajuddin, AMIE**

Associate Professor, Dept. of C.S.E, S.M.C.E

**Title of Paper :** "An Innovative Security Model to Handle Black Hole Attack in MANET" in *Springer-Lecture Notes on Data Engineering and Communication Technologies ( LNDECT) Volume 9 , PP 173-179, Dec 2017. (Scopus Indexed).*



**Title of Paper :** "An Innovative Security Model to Handle Black Hole Attack in MANET", *International Conference on Computational Intelligence and Data Engineering ( ICCIDE 2017) organized by LBRCE, Vijayawada, Andhra Pradesh on July 14-15, 2017.*

## **Mr. Y. Kamala Raju, MIE**

Assistant Professor of Civil Engineering Gokaraju Rangaraju Institute of Engineering & Technology (GRIET) Bachupally, Kukatpally, Hyderabad, Telangana



**Title of Paper :** "Autoclaved Aerated And Cellular Fly Ash Concrete Blocks For Building Constructions", *Proceedings National Conference on Recent Innovations in Civil Engineering (RICE-2017) December 15-16, 2017, GRIET, Hyderabad, India. ISBN 978-93-5279-269 pp. 259-*

264.

Co-author (s) : R. Meher Babu and Mohd. Hussain

## **Dr. Itagi Ravi Kumar, MIE**

Assistant Professor, Swami Vivekananda Yoga Anusandhana Samsthana, Bengaluru



**Title of Paper :** "Germination of green gram with influence of pyramid energy and lunar days", *International Journal of Emerging Technology and Advanced Engineering, 2018, , 8(1) pp. 81-87.*

Co-author : Pooja Soni

# Publications by Members

## Mr. Markandeya Tiwari, AMIE

Assistant Professor, Department of Civil Engineering,  
IET Lucknow



**Title of Paper :** “Biodegradation of Azure-B Dye by *Serratia Liquefaciens* and Its Validation by Phytotoxicity, Genotoxicity and Cytotoxicity Studies”, *Chemosphere (Elsevier)*, ISSN No 0045-6535, Vol. Month, PP : 196, 12, 2017, 58-68.

[DOI: 10.1016/j.chemosphere.2017. 12.153]

Co-authors : Haq, I. & Raj, A

**Title of Paper :** “Removal of Lead and Copper from textile wastewater using egg shells”, *Iranian Journal of Energy and Environment*, ISSN No. 2079-2115, Vol.8, Year 12, 2017, pp202-209.

[DOI: 10.5829/ijee.2017.08.03.04]

Co-authors : Pandey, S.S., Singh, N.B., Shukla, S.P

**Title of Paper :** “Status assessment of physicochemical parameters in Gomti river water quality at Lucknow city area, Uttar Pradesh, India”, *International Journal of Applied Research and Technology*, ISSN No : 2519-5115, Vol. 2, Year 11, 2017, pp 225-236

[DOI: [10.24163/ijart/2017/2\(4\):225-236](https://doi.org/10.24163/ijart/2017/2(4):225-236)]

Co-authors : Kumar, V., Singh, P. K., Shahu, P., Kumar, P., Shukla, N.K., Kisku, G.C.

## Mr. Harisharan Aggarwal,, AMIE

Head of Department (ECE), Guru Kashi University

**Title of Paper :** “Analysis of Channel Models for Memory Less Nonlinear System”, *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Vol. 5, Issue 5, pp 393 – 395, 01-05-2017.



**Title of Paper :** “Performance Analysis of OOK-NRZ and OOK-RZ digital Modulation”, *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Volume 5, Issue 5, pp 414 – 416, 01-05-

2017.

**Title of Paper :** “Power Amplifier Linearization using Singular Value Decomposition Algorithm”, *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Volume 5, Issue 5, pp 389 – 392, 01-05-2017.

## Mr. V. Vedha Narayanan, AMIE

Assistant professor,, MCE, Paravai, Madurai

**Title of Paper :** “Application of Concrete” *Journal of Ceramic and Concrete Technology (Mantech Publication)*, Vol. 3, Issue 1, pp. 1-7, date 16/01/2018.

Co-author(s): S.M. Kumaran, A. Karthick



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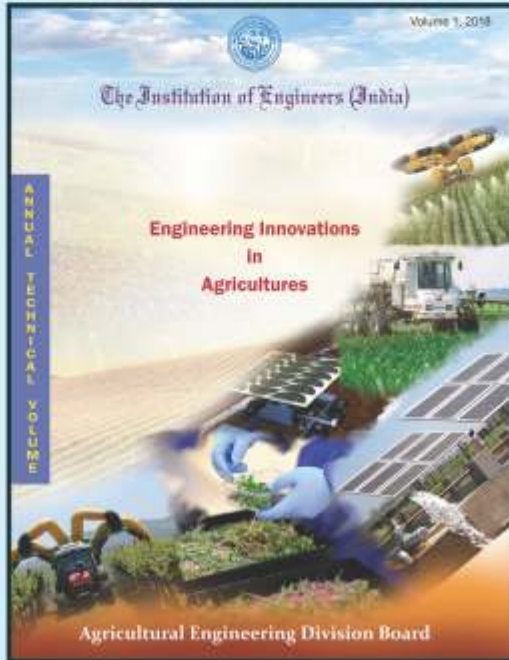


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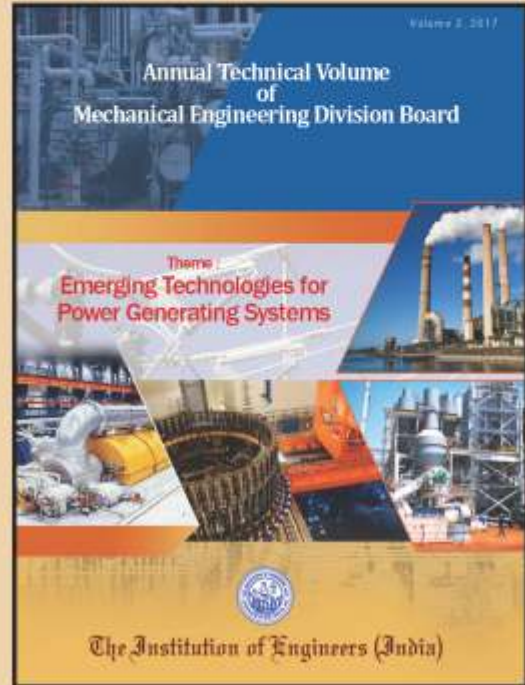
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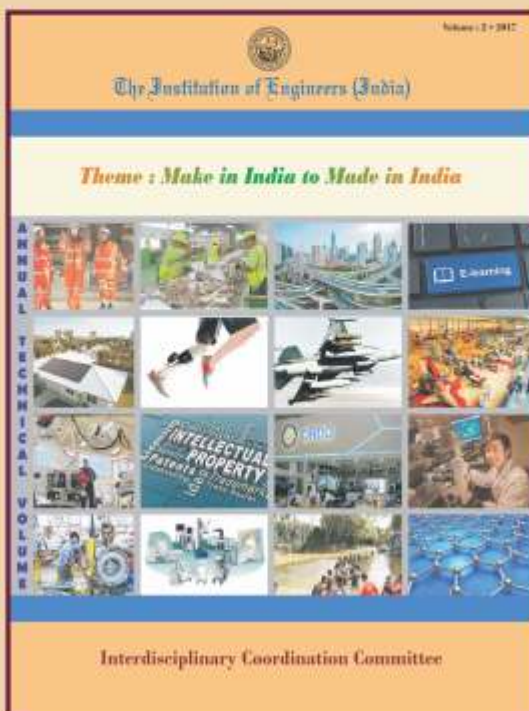
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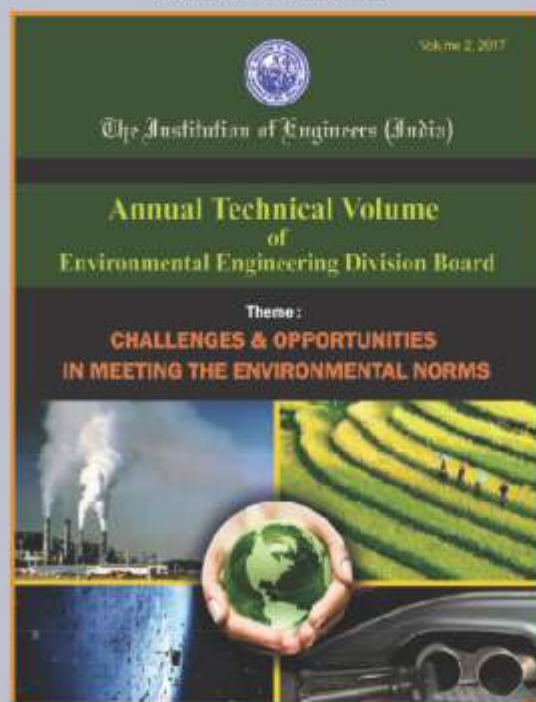
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**Mr. Prabhat Kumar Dhara, FIE**

*Secretary-Faculty Council  
Faculty of Agricultural Engineering  
Bidhan Chandra Krishi Viswavidyalaya  
Mohanpur, Nadia, West Bengal*

I am glad to go through the December Issue of IEI Epitome. Thank you for sending the same. It is really good to find mention of activities conducted and lined up by Institutional Members. I am sure, all will find it very useful. Congratulations to your whole team in IEI.

**Dr. J. P. Barnwal, FIE**

*Former Chief Scientist  
CSIR-Advanced Materials Processes Research Institute  
Bhopal*

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