



DR. M. SASIKALA

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E-mail: sasi_mun@rediffmail.com

- 1. Full Name** : **Dr (Mrs) MSasikala**
- 2. Date of Birth** : 10th December 1962
- 3.a)Name of the Institute/College** : Godutai Engineering Collge for Women ,
S B College campus,sharannagar
Kalaburagi-585103,

Karnataka,INDIA

- b) Husband's name and Address**
Professor and Chairman,

Gulbarga University

:Dr M V N Ambika Prasad

Department of Materials Science,

Gulbarga – 585 106,Karnataka,INDIA

- 4. Marital Status** : Married

5. Educational Qualifications:

Exam	Year	Class Obtained	Subject Taken	Name of the University
B.E	1985	First Class with Distinction	Electrical Engineering	O U College of Engineering,Osmania university, Hyderabad
M.E	1987	First Class First, Awarded Gold Medal	Electrical Power systems	O U College of Engineering,Osmaniauniversity, Hyderabad --
Ph.D	2008	-----	-----	Jawaharlal Nehru Technological University (JNTU) , Hyderabad

Research Specialization : Design of Fuzzy logic controllers, Design of Sensors

Ph.D Title : “Design and Development of Fuzzy Logic Controller Based Brushless DC Motor”

Honours and Awards : Qualified in GATE in 1985 for studying M.E and Awarded Fellowship to pursue M. E. in 1985.

Awarded Gold Medal for standing I in M.E. Examination in 1987.

Experience:

Name of the Institute/University	Department	Class Taught	Period From To
Bapatla Engineering college, Bapatla, Andhra Pradesh	Electronics and communication Engineering	B.E	July 1990 to June 1991
GITAM College of Engineering, Visakhapatnam (presently Deemed university)	Electrical and Electronics Engineering	B.E	January 1994 to November 1995
K B N College of Engineering, Gulbarga, Karnataka	Electronics and Instrumentation Engineering	B.E.	Worked from November 1995 - January 2008
Noble college of Engineering and Technology for women, Nadergul, R.R. Dist, Telangana			Worked as Principal from May 2008 (Ratified as Principal by JNTU, Hyderabad) To Oct 2011
CVR College of Engineering, Mangalpalli, RR Dist. Telangana	Electrical and Electronics Engineering	B.Tech and M.Tech	Worked as Professor From Nov 2011 - July 2013
BNM Institute of Technology, Bangalore.	Electrical and Electronics Engineering	B. E. and M.Tech	Worked as Professor from Aug 2013 - November 2013
Netaji Institute of Engineering and Technology, Toopranpet, Dist: Nalgonda, Telangana	Electrical and Electronics Engineering	B.E.	Worked as Principal from December 2013 To September 2014

Godutai Engineering College for Women, S B College campus, Kalaburagi	Electronics and communication Engineering	B.E.	Working as Principal since September 2014
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Courses Taught : Electronic Instrumentation, Network Analysis, Electrical and Electronic Measurements, Field theory, Electrical Machines, Basic Electrical Engineering, Network Theory, Power Electronic Devices and Circuits, Electrical Machine Design, Industrial Drives and Applications.

Technical Publications :17

Papers accepted in national and

International conferences :11

Countries Visited : United States of America (U S A) , Japan and Dubai

Publications

I. Papers accepted/communicated to journals

- [1]. Multi-input Fuzzy logic controller for BLDC motor drives-Journal of Intelligent and fuzzy systems, 2008
- [2]. Design of sensor setup and study of humidity sensing behaviour of conducting polyanniline/ceramic composites -IEEE explorer-Proceedings of the International conference held at Taiwan, from November 30-December 3, 2008
- [3]. Effect of Gaussian white noise on multi input integrated fuzzy logic controller for BLDC motor Drives-Instrumentation society of India, 2009
- [4]. Humidity Sensing Behavior of Polyaniline / Strontium Arsenate Composites" - Sensors & Transducers journal (ISSN 1726-5479), 107, 77, 2009
- [5]. Design of gas sensor setup and study of gas (LPG) sensing behaviour of conducting Polyaniline / Magnesium chromate (MgCrO₄) composites-IEEE sensors 10,4(2010)807.
- [6]. Sensitivity enhancement for LPG detection by employing Cadmium oxide doped in nanocrystalline polyaniline, - *IEEE Sensor letter*, 9, 2011, 342.
- [7]. Design of sensor setup and study of LPG gas sensor using polyaniline/n-TiO₂ composites ;J. App. Poly. Sci (2011)

- [8]. A Review on Interfacing Circuits for Resistive Type Gas Sensors- International Journal of Electronic Engineering Research Volume 4, Number 2(2012)
- [9]. An Overview of Dynamic Voltage Restorer for Voltage Profile Improvement- International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-2, Issue-2, December 2012
- [10]. Impedance Spectroscopic Studies on PANI/CeO₂ Composites-International Journal of Electrical Engineering & Technology Volume 4, issue 1-2013 pages 1-8).
- [11]. CO₂ sensing of PANI-CeO₂ composites-International journal of Engineering in Ethics and management- 1(2014)1.
- [12]. Impedance and Electric modulus of conducting Polyanniline/ZnWO₄ composites-International Journal of Science Research 1(3)2013,113.
- [13]. Studies on DC conductivity and LPG sensing behavior of PANI/CeO₂ composites-International Journal of Science Research 1(4)2013,180
- [14]. Harmonic Mitigation Using Unified Power Quality Conditioners and Hybrid Active Power Filters--Advances in Electronic and Electric Engineering.ISSN 2231-1297, 4, (2014), 121.
- [15] Studies on LPG Sensing Property of Polyaniline/BaZrO₃ Composites-

Materials Today Proceedings of the International conference(3 2016,369-375)

[16]High sensitivity and selectivity of LPG gas by three dimensional molecular ordered polyaniline/CeO₂ nanocomposites (accepted in Sensors letters)

[17]Synthesis, characterization and LPG sensing of ZnFe₂O₄ nanoribbons doped polyaniline nanocomposites (accepted in Sensors letters)

II. Papers presented at the International conferences

- [1]. Design and development of controller for BLDC motor using PID and Auto PID presented at the International Conference on Modeling and Simulation **Coimbatore, 27-29 August 2007.**

- [2]. Design of sensor setup and study of humidity sensing behaviour of conducting polyanniline/ceramic composites –IEEE explorer-Proceedings of the International conference held at Taiwan, **Taiwan from November 30-December 3, 2008.**
- [3]. Direct Torque controlled Induction Motor with Space Vector Modulation Fed with Three level Inverter- **IEEE International Conference on Power Electronics, Drives and Energy systems- Dec. 16-19 2012, Bangalore.**
- [4]. Studies on DC conductivity and LPG sensing behavior of PANI/CeO₂ composites-Presented International conference on Recent advances in Materials science(RAMS)-December 2012.
- [5]. Studies on LPG Sensing Property of Polyaniline/BaZrO₃ Composites-Presented at the the International conference held at Stony Brook University, USA,(Advances in Functional materials(Conference 2015) from June 29th to July 2nd 2015

II. Papers presented in National conferences

- [1]. Sasikala M, Bharathi. Y. H., Rekha. B. R., P. Bhaskar, C. S. Parvathi and A. B. Kulkarni, “Study of speed control of RCI BLDC motor using virtual instrumentation LabVIEW”, Proceedings of 31st National Symposium on Instrumentation, Gwalior, Oct. 12-15, 2006, paper. 132
- [2]. Sasikala. M, Bharathi. Y. H., Rekha. B. R., Bhaskar, C. S. Parvathi and A. B. Kulkarni, “PWM based speed control of BLDC motor using virtual instrumentation”, Proceedings of National Conference on Advances in Material Science, Gulbarga University, Gulbarga, January 27-28, 2007, pp. 78.
- [3]. Sasikala. M, Bharathi. Y. H., Rekha. B. R., Bhaskar, C. S. Parvathi and A. B. Kulkarni, Design and development of controller for BLDC motor using PID and Auto PID controllers- Proceedings of National Conference on Advances in Material Science, Gulbarga University, Gulbarga, January 27-28, 2007, pp. 78.
- [4]. Bharathi. Y. H., Rekha. B. R., Sasikala. M, Laxmikant R., Bhaskar, C. S. Parvathi and A. B. Kulkarni, “Virtual instrumentation based DC motor speed control system”, Proceedings of National Conference on Advances in Material Science, Gulbarga University, Gulbarga, January 27-28, 2007, pp. 40.

- * [5]. Rekha. B. R., Bharathi. Y. H., Sasikala. M, Laxmikant R., Bhaskar, C. S. Parvathi and A. B. Kulkarni, "Speed control of BLDC motor using PWM Technique based on virtual instrumentation", Proceedings of National Conference on Advances in Material Science, Gulbarga University, Gulbarga, January 27-28, 2007, pp. 77.
- * [6]. Rekha.B.R.,Bharathi. Y. H., Sasikala. M, Bhaskar, C. S. Parvathi and A. B. Kulkarni, "Study of PID controller for BLDC motor Speed control using virtual instrumentation LabVIEW", Proceedings of 31st National Symposium on Instrumentation, Gwalior, Oct. 12-15, 2006, paper. 38.
- [7]. Effect of Guassian white noise on Multi-input fuzzy logic controller for BLDC motor drives-4th National conference on Advances in Energy conversion technologies(AECT2010) held at Manipal institute of technology, Manipal in February 2011.

Research guidance:

- [1]. Sri BasavarajKhened- Professor and Head, Dept of Electrical and Electronics Engineering, Bellary Institute of Engineering and Management-Bellary, Karnataka, registered under my guidance at JNTUH, Hyderabad in 2009- Submitting Ph.D thesis shortly
- [2]. Mrs M. Sharanya Associate Professor, Department of Electrical and Electronics Engineering VignanaBharathi Institute of Technology, Ghatkesar, Hyderabad Andhra Pradesh. registered under my guidance in 2011 in JNTUH,Hyderabad
- [3].Sri Krishna D- Assistant Professor, Dept of Electrical and Electronics Engineering,Geetanjali Institute of Engineering and Technology,Hyderabad,Telangana, registered under my guidance at JNTUA, Anantapur ,Andhra Pradesh in 2015
- [4].MrsPushpalatha,Assistant Professor, Dept. of Computer science and Engineering, Godutai Engineering College for Women, Kalaburagi,registered under my guidance in 2016 in VTU ,Belagavi,Karnataka.
- [5].MrsManikammapatil, Assistant Professor, Dept. of Computer science and Engineering, Godutai Engineering College for Women, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka.
- [6].MrsBNagaveni, Assistant Professor, Dept. of Electronics and Communication Engineering, Godutai Engineering College for Women, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka.

- [7]. Mrs Gourambika, Assistant Professor, Dept. of Electrical and Electronics Engineering, Godutai Engineering College for Women, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka.
- [8]. Mrs B Prashamsa, Assistant Professor, Dept. of Electrical and Electronics Engineering, Godutai Engineering College for Women, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka
- [9]. Mrs Savitha, Assistant Professor, Dept. of Computer science and Engineering, Appa Institute of Engineering and Technology, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka.
- [10]. Mrs Chandrakala, Assistant Professor, Dept. of Computer science and Engineering, Godutai Engineering College for Women, Kalaburagi, registered under my guidance in 2016 in VTU ,Belagavi, Karnataka.

References:

- [1] **Dr. G. Tulsiramdas, Formerly** Vice-Chancellor,
Jawaharlal Nehru Technological University, Kakinada. A.P.
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Mobile: +919866234645
- [2] **Prof. A. B. Kulkarni,**
Formerly Professor of Applied Electronics and Dean of Science and Technology,
Gulbarga University Gulbarga (Retd)
A-19, MP Residence, Near Bhaivarath Temple, Marunji,
Pune-411057, Maharashtra
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- [3] **Dr S. Udaya Kumar,**
Principal, Geetanjali Institute of Engineering and Technology,
Hyderabad, Telegana.
E mail: uksusarla@rediffmail.com.
Mobile: +919912744988

Any other information:

After, I have taken over Founder Principal of Noble College of Engineering and Technology for women, I have started B.Tech in Computer Science Electronics and Communication Engineering and Instrumentation Technology in 2008. Next year, I started in B.Tech. in Electrical and Electronics Engineering. I also

started M.Tech.courses in Software and Computer Science and Engineering.In
C V R College of Engineering, I was involved in NBA Reacredition.

I intitated research by taking Two candidates for Ph.D,one is submitting his
thesisshortly.Aftermy Ph.D.,I published about 17 papers and presentedabout
11 papers in national and international conferences with collaboration with
Gulbarga University andwithmy own Ph.D. students.

Last July I presented paper in an International Conference on Advances in
Functional Materials at Stony BrookUniversity, NewYork,USA
Presently Eleven candidates are pursuing Ph.D. under my guidance(three from JNTU
and Eiht from VTU).

I was a member of Local Inquiry committee (LIC) last year and inspected colleges in
Tumkur and Bangalore regions.

I am also member of Local Inquiry committee (LIC) this year and inspected colleges in
GadagHubbali and Bangalore,.