

BASIC SCIENCES DEPARTMENT

INTRODUCTION

The Department of Basic Sciences is devoted to foster the fundamental principles and understanding of science that are capable of enhancing the human experience. The academic programs of this department are organized to meet the requirements of the fast growing technology. The Department has been there, right from the inception of the College, offering instruction in Mathematics, Physics and Chemistry to students of the various core branches of engineering.

“Delivering a transformative education is the core mission of basic science”

The department of mathematics has been training students on application software like MATHEMATICS and MATLAB. It also runs a forum “ADVANCED ACADEMIC CENTRE “ and leading resource persons visit the college under this forum.

The department is strengthened with a total of 36 faculties out of which 4 are Doctorates and 10 are pursuing PhD’s.

Doctorates in Basic science

S.No	Name of the Faculty	Degree Awarded	No. of Publications(journals/conferences)
1	Dr S.Ramamurthy	2007	9
2	Dr R.Subrahmanyam	1985	7
3	Dr B.Ramakrishna Reddy	2006	5
4	Dr C vekateshwara rao	1995	26
5.	Dr. V.LakshmiPrasanna	2015	6

Faculty and their publications:

Dr.S.Ramamurthy

Qualifications: M.Sc, Phd (Maths)

Experience: 24 yrs

Research interest: Approximation theory

No. of Journal Publications/Conference Proceedings: 3

Journal Publications

International

1. International Journal, **Parametric fitting of non function like curves by minmaxtion and minaddition** International Journal Of scientific & Innovation Mathematical research (IJSIMR) ISSN 2347-307X, 3/1/2014.
2. Curvature **Presenting Piece Wise Approximation Of Closed Curves BY Minmaxtion** in International Journal Of Applied Mathematics & Statistical science (IJAMSS) ISSN 2347-307X, 7/1/2014.
3. **Connective Stem Determination by Minmaxtion in** International journal of Modern Sciences and Engineering Technology(IJMSET) International journal of Modern Sciences and Engineering Technology(IJMSET) ISSN 2349-3755 ,14.

Dr. C. R. VENKATESWARA RAO

Qualifications: M.Sc, Phd (chemistry) , POSTDOCTORAL

Experience: 18 yrs

Research Interest: 'Synthesis, Characterization and Superconductivity Studies of Single Crystals of High T_c Oxides and Fullerides'.

No. of Journal Publications/Conference Proceedings: 27

Journal Publications

International

1. Growth, characterization and superconductivity studies on $\text{CaLaBaCu}_3\text{O}_{7-x}$ single crystals, C.R.Venkateswara Rao, P.Murugakoothan, R.Jayavel, C.Subramanian and P.Ramasamy, J.Mater.Sci.Lett., 11 (1992) 145-147.
2. Growth of $\text{CaLnBaCu}_3\text{O}_{7-d}$ (Ln=La, Pr and Nd) single crystals by the flux technique, C.R.Venkateswara Rao, P.Murugakoothan, R.Jayavel, C.Subramanian and P.Ramasamy, Supercond.Sci.Technol., 6 (1993) 443-446.
3. Tunneling studies on single crystals of superconducting $\text{Bi}_2\text{Ca}_{1-x}\text{Y}_x\text{Sr}_2\text{Cu}_2\text{O}_{8+y}$ H.Srikanth, A.K.Raychaudhuri, C.R.Venkateswara Rao, P.Ramasamy, H.N.Aiyer and C.N.R.Rao, Physica C

200 (1992) 372-376.

4. Structural and crystal field studies on a single crystal of $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$, S.Uma, T.Sarkar, M.Seshasayee, G.Rangarajan, C.R.Venkateswara Rao and C.Subramanian, Solid State Comm., 87 (1993) 289-293.

5. Growth of YBCO and NBCO single crystals, P.S.Kumar, R.Jayavel, P.Murugakoothan, C.R.VenkateswaraRao, C.Subramanian and P.Ramasamy, Mod.Phy.Lett.B, 4 (1990) 1289-1294.

6. Preparation and characterization of BiSrCaCuO through glassy route, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian, P.Ramasamy, A. Chakravarti, R.Ranganathan and A.K.Raychaudhuri, Solid State Comm., 79 (1991) 421-424.

7. Growth and morphology studies of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ single crystals, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, Mat.Res.Bull., 26 (1991) 945-950.

8. Growth and characterization of $\text{Bi}_2\text{Sr}_2\text{CaCu}_{2-x}\text{Ni}_x\text{O}_8$ single crystals, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, Mod.Phy.Lett. B 5 (1991) 1989-1995.

9. Superconductivity and morphological studies on $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals grown from stoichiometric and nonstoichiometric melts, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian, P.Ramasamy, B.V.Kumarasamy and A.V.Narlikar, Bull.Mater.Sci., 14 (1991) 1343-1348.

10. Growth and characterization of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ by floating zone method, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, Mat.Chem.Phys., 31 (1992) 281-284.

11. Crystal growth of high temperature superconductors, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, Indian J.Pure and Appl.Phys., 30 (1992) 502-510.

12. Textured growth and orientation dependence of hardness measurement on superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, J.Mat.Sci.Lett., 11 (1992) 1650-1652.

13. Growth of large size single crystals and whiskers of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ by step cooling method, R.Jayavel, C.Sekar, P.Murugakoothan, C.R.VenkateswaraRao, C.Subramanian and P.Ramasamy, J.Crystal Growth, 131 (1993) 105-110.

14. Growth of superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals using K_2CO_3 flux, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, Supercond.Sci.Technol. 6 (1993) 349-352.

15. Growth and characterization of bulk-textured $\text{Bi}_2\text{Ca}_{1-x}\text{Y}_x\text{Sr}_2\text{Cu}_2\text{O}_8$ by the float zone technique, P.Murugakoothan, R.Jayavel, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *Supercond.Sci.Technol.*, 7 (1994) 367-371.
16. Growth of large size twin free $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ single crystals by a temperature gradient, R.Jayavel, P.Murugakoothan, C.R.Venkateswara Rao, C.Subramanian and P.Ramasamy, *J.Crystal Growth*, 137 (1994) 273-277.
17. Growth and characterization of C60 single crystals from pure C60 and fullerite, C.Sekar, C.R.Venkateswara Rao and C.Subramanian, *Fullerene Sci.Technol.* 3 (1995) 343-358.
18. Growth of C60 single crystals from cyclohexane and vapour and their characterization, C.Sekar, C.R.Venkateswara Rao and C.Subramanian, *Phys.Stat.Sol.(a)* 151 (1995) 9-15.
19. Magnetic and transport studies on RIrAl (R=Y, La, Ce, Pr and Nd) compounds : mixed-valent behaviour of CeIrAl , N.Harish Kumar, Latika Menon, C.R.Venkateswara Rao, S.K.Malik, P.Raj, A.Sathyamoorthy and K.Shashikala, *Solid State Comm.*, 109 (1999) 345-349.
20. Synthesis and properties of bitetraselenafulvalene, Masahiko Iyoda, Kenji Hara, C.R.Venkateswara Rao, Yoshiyuki Kuwatani, Kazuo Takimiya, Atsushi Morikami, Yoshio Aso, and Tetsuo Otsubo, *Tetrahedron Letters*, 40 (1999) 5729-5730.
21. The hydriding behaviour of $\text{UFe}_{1-x}\text{Ni}_x\text{Al}$ system ($0 < x < 0.75$) and magnetic studies on $\text{UFe}_{1-x}\text{Ni}_x\text{AlH}_{0.8}$ P.Raj, A.Sathyamoorthy, K.Shashikala, N.Harish Kumar, C.R.Venkateswara Rao and S.K.Malik, *J.Alloys Compd.* 296(1-2), 20-26 (2000).
22. Hydride phases, structure, and magnetic properties of UNiAlH_y system P. Raj, K. Shashikala, A. Sathyamoorthy, N. Harish Kumar, C. R. Venkateswara Rao, and S. K. Malik., *Phy.Rev. B* 63 (2001) 94414-1
23. CeIrGaH_y system : Hydrogen induced structural and valence change P. Raj, K.Shashikala, A. Sathyamoorthy, C. R. Venkateswara Rao, and S. K. Malik., *Solid State Comm.*, 120 (2001) 375-378
24. $\text{U}(\text{Fe}_{1-x}\text{Ni}_x)\text{AlH}_y$ system : new hydride phases, structural and magnetic properties, P. Raj, K. Shashikala, A. Sathyamoorthy, N. Harish Kumar, C. R. Venkateswara Rao, and S. K. Malik., *Physica B*, 312-313 (2002) 885-887
25. Hydriding of the mixed-valent compound CeRhIn : structural and magnetization studies, P. Raj, K. Shashikala, A. Sathyamoorthy, C. R. Venkateswara Rao, D.Kundaliya and S. K. Malik., *J.Alloys Comp.* 345 (2002) L1-L3
26. Spin pseudogap in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ studied by neutron scattering, C.H. Lee, K. Yamada, H. Hiraka, C.R. Venkateswara Rao, Y. Endoh, *Phys.Rev.B*, 67, 134521 (2003)

27. Crystallization of self-assembled polyoxovanadate nano-clusters by diffusive mixing of VO^{2+} and VO_4^{3-} in aqueous medium (submitted).

V.N.RamaDevi

Qualifications : Ph.D



Experience: 14 years

Research Interest: Queuing theory

No. of Journal Publications/Conference Proceedings:

International

1. Rama Devi V.N and Chandan.K. Optimal Strategy Analysis of Two-Phase, N-Policy of M/EK/1 Queuing System with System Break -Downs and Balking, International Journal of Sciences: Basic and Applied Research (IJSBAR) ISSN 2307-4531 (IJSBAR) (2014) Volume 16, No 1, pp 455-474
2. Rama Devi V.N and Chandan.K. Optimal control of two-phase MX/Ek/1 queueing system with server Start-up, N-Policy, unreliable server and Balking, International Journal of Scientific and Research Publications, Volume 4, Issue 6, June 2014 1 ISSN 2250-3153, Volume 4, Issue 6, June 2014.
3. Rama Devi V.N and Chandan.K. Optimal Control of Two-Phase MX/M/1 Queueing System with Server Start-Up, N-Policy, Unreliable Server and Balking, The International Journal Of Science & Technoledge (ISSN 2321 – 919X), Vol 2 Issue 5 May, 2014,pp 214-226

4. Rama Devi V.N and Chandan.K. Optimal control of two-phase M/M/1 queueing system with server Start-up, N-Policy, unreliable server and Balking, The International Journal Of Engineering And Science (IJES) || Volume || 3 || Issue || 4 || Pages || 59-69 || 2014 || ISSN (e): 2319 – 1813 ISSN (p): 2319 – 1805

Conference Proceedings

International

1. Presented a paper in International conference on STATISTICS&INFORMATION TECHNOLOGY FOR A GROWING NATION from 22 Nov-2 Dec,2014, Sri Venkateswara University,Tirupati,A.P.

National

1. Presented a paper in National conference on “Mathematical And Applications-2011”,Dhule, Maharashtra,India.

Mr.M.Sreedhar, Associate Professor, Dept. of Physics

Qualifications: Ph.D (Physics) (JNTU-H, in progress, Registered 2010),

M.Tech (Energy Management) (SVU Tirupati-2002),

M.Sc (Solid State Physics)(Acharya Nagarjuna



University-2000).

Experience: 14+ Years

Research interest: Solid State Physics, Electromagnetism, Materials Science .

Journal Publications: International: 1

1. Sridhar Mandava, Subrahmanyam Ramachandrula and Aparna Yarramareddy “**Effect of Thermal Treatment of a Ferro Magnetic Core on Induced EMF**” , International Journal “**Procedia Materials Science**”, Elsevier, ISSN 2211-8128,Vol 6, April 2014, PP: 436-443.

National Conference Proceedings: 6

1. **Magneto Electric Effects due to Ferromagnetic Material**” at the First National Conference on Applied Physics and Materials Science, ISBN 978-93-82570-10-3,PP: 165-167, July 2013 organized by Department of Physics, Vasavi College of Engineering on 19th & 20th July 2013.

2. **Sridhar Mandava**, Subrahmanyam Ramachandrula and Aparna Yarramareddy “**Thermal variation of Induced EMF and Permeability in a Ferro magnetic Material**” at the Third **National Conference on Applied Physics and Materials Science**, ISBN 978-93-82570-64-6,PP: 107-109, August 2015 organized by Department of Physics, Vasavi College of Engineering on 7-8th August 2015.
3. J Kishore Babu, **Sridhar Mandava** and KVR Murthy “**Luminescence Studies of BaY₂O₄: Eu Phosphor**” at the Third **National Conference on Applied Physics and Materials Science**, ISBN 978-93-82570-64-6,PP: 117-120, August 2015 organized by Department of Physics, Vasavi College of Engineering on 7-8th August 2015.
Sridhar Mandava, Subrahmanyam Ramachandrula, Aparna Yarramareddy and J Kishore Babu “**Heating Effects of Nickel on the Induced EMF and Effective Resistance of Secondary coil**” at the First **National Conference on Materials For Specific Applications**, ISBN 978-81-929088-4-7,PP:123-125, March 2016 organized by Department of
4. **Sridhar Mandava**, Subrahmanyam Ramachandrula and Aparna Yarramareddy “**Thermo Physics**”, GRIET on 29-30th March 2016.
5. K Rama Krishna, **Sridhar Mandava**, K Vijaya Kumar and D Ravinder “**Magnetic Properties of Copper Zinc mixed ferrite nano particles synthesized by citrate precursor method**” at the First **National Conference on Materials For Specific Applications**, ISBN 978-81-929088-4-7,PP:80-82, March 2016 organized by Department of Physics, GRIET on 29-30th March 2016.
6. J Kishore Babu, **Sridhar Mandava**, A.S.Sai Prasad and KVR Murthy “**Photoluminescence Studies of Eu doped CaAl₂O₄ Phosphor**” at the First **National Conference on Materials For Specific Applications**, ISBN 978-81-929088-4-7,PP:115-118, March 2016 organized by Department of Physics, GRIET on 29-30th March 2016.

K.Vagdevi, Assistant Professor of Physics



Qualifications: Ph.D(Physics)(JNTUA,inprogress,Registered 2010),M.Tech (Space Tech&Applicatios)(S.V.U,2003),M.Sc (SVU,2001).

Experience: 10 years

Research Interest: Condensed Matter physics, Fiber optics

No. of Journal Publications/ Conference Proceedings: 10

Journal Publications:

1. K.Vagdevi “First Principles Study of Interactions of Graphene Layer Adsorbed with Beryllium” International Journal of Advanced Research in Physical Sciences, ISSN:2349-7882, 01-07-2015.
2. K.Vagdevi “Study of Structural,Electronic and OPTICAL PROPERTIES OF PURE GRAPHENE and GRAPHENE ADSORBED WITH BERYLLIUM ATOMS FORM DFT CALCULATIONS”, International Journal of Atoms and Molecules, ISSN: 2277-1247, 01-06-2015.

Conference Proceedings

International:

1. K.Vagdevi “Negative Differential Conductance in Graphene Layer adsorbed with Beryllium”, Materials today Proceedings, Elsevier Publications, GRIET, Hyderabad June 30, 2016
2. K.Vagdevi “First Principle study of Tunable band gap in Bilayer Graphene (BLG)”, Materials today Proceedings, Elsevier Publications, March 30, 2015, MLRIT, Hyderabad.

National

1. K.Vagdevi, “A study on interaction between Bilayer Graphene and SiO₂ surface using DFT Calculations” Proceedings of National Conference on Materials for Specific Applications. 29-30 March 2016, GRIET, Hyderabad.
2. K.Vagdevi, “Photo Degradation of Methylene Blue in Water: using Al₂O₃ Nanoparticles” Proceedings of second National Conference on water, Environment and Society at JNTU Hyderabad (2015).
3. K.Vagdevi, “Study of Negative Differential Conductance in Graphene Layer Adsorbed with SnCl₄ by using DFT Calculations” Proceedings of Third National Conference on Applied Physics and Materials Science. Aug 7 2-8 2015, Hyderabad.
4. K.Vagdevi, “DFT Calculation of SnCl₄ adsorption on graphene” in Proceedings of Second National conference on Applied Physics and material Science ISSN 978-93-82570-37-01-2, August 2014, Hyderabad.
5. K.Vagdevi, “Analysis of Polarised modes in Silica Fibers” Proceedings of National Conference on Applied Physics and Materials Science. July 19-20 2013
6. K.Vagdevi, “Glass embedded Nano particles” in National Conference at JNTUH, 2012.

Dr. V. Lakshmi Prasanna, Associate Professor of English



Qualifications: M.A., M.Ed., Ph. D.

Experience: 24 years

Research Interest: Indian Writing in English

Journal Publications / Conference Proceedings:

National Publications:

1. Dr.V. LakshmiPrasanna, Paper published in National Journal 'Triveni', -"Images of Women in the Novels of Nayantara Sahgal" March 2011

International publications:

2. Indian Writing in English: Objectives and Achievements, volume: 7, Issue: 1, June 2014, ISSN 0972-0901, Cyber Literature: The International online Journal

3. Nayantara Sahgal's Place In Indo-English Novel, Volume: 7 Issue: 1 (June 2014) ISSN 0972-0901 Cyber Literature: The International Online Journal

4. "Metaphor, Image and symbol in the poetry of Robert Frost" IJELLH ISSN 2321-7065, Aug 2014, Impact Factor 2.317

5. Gandhi an Ideology-Its impact on Nayantara Sahgals Thinking IJELR ISSN 2349-9451. Dec-2014.

6.

International Conferences:

7. Dr. V. LakshmiPrasanna Paper Presented on "Teaching of English as a Second Language – a point of view" in International Seminar on Applied Linguistics conducted by ANU, Guntur (15-18 Dec 2010)

8. Dr. V. LakshmiPrasanna, Participated and Paper Presented in Three-Day International Conferences conducted by English and Foreign Languages university, Hyderabad on English Language Teacher Education in a Diverse Environment in Collaboration with British Council 2010, 2011&2013
9. Dr. V. LakshmiPrasanna, Pper Presented on “ The Role of Email in the communication process- **Netiquette in International Elt@I Rajasthan Conference on Interfacing Language, Culture &Technology BITS Pilani, Rajasthan.(8-9, Oct)**
10. Dr.V. LakshmiPrasanna, Paper Presented on “The Role of Technology in Project-Based learning” in World Conference on Applied science, Engineering &Technology at GITAM University, Hyd.(8 March,2013).
11. Dr. V. LakshmiPrasanna, Paper Presented on “The Importance of Partition Literature in Indian Writing in English” in the International Conference on English Language and Literature: Readings and Reflections at GITAM University, Hyderabad on 7&8 August, 2015.
12. Dr. V. LakshmiPrasanna, Paper Presented on “The Importance of Cross Cultural Communication in an Organization.” at the International & Interdisciplinary Conference on Language,Literature Cultural Studies and Knowledge Resources (LLCSKR-2015) held at Vignan’s University, Vadlamudi on 5&6 February,2015

National Conferences:

13. Dr.V. LakshmiPrasanna, Participated “National Practicum on Emerging Areas of Research in English Language &Literary studies” conducted by JNTUH (29 April, 2011).
14. **Dr.V. LakshmiPrasanna**, Paper presented on “The Role of Modern Communication-Industry”,a National Conference on **The Frontiers of English Literature &The Patterns of English Language Teaching**(9 - 10 November 2012)Organized by Discipline of English Studies, Dept. of M & H ,Mahatma Gandhi Institute of Technology Gandipet, Hyderabad &ELTAI, Hyderabad Chapter.
15. **Dr. V. LakshmiPrasanna**, Paper presented on “Evaluation Tools in Education”, a National Conference On ‘**A Paradigmatic shift in ELT: Empowerment of the English Classroom**’ (1&2 February2013) conducted by Vasavi college of Engineering, Ibrahimbagh, Hyderabad.
16. **Dr. V. LakshmiPrasanna** , Paper presented on “Higher Order Thinking Skills in Education”, a National Conference on **Rethinking the Role of Humanities in Technical Education Pedagogies and Possibilities** (October 18-19, 2013) Organized by Department of Languages and Humanities BITS, Pilani, Hyderabad campus.

17. Dr .V. LakshmiPrasanna, Participated in a two day National Symposium on “Teacher-Text-Student Interaction” during 13-14 December 2013 at JNTUH,Hyderabad.

Certifications

18. **Dr. Vaidana Lakshmi Prasanna** completed ET601TX Educational Technology for Engineering Teachers, an online Certificate Course of study offered by IIT Bombay X during Jan.-Mar.2016
19. **Dr. Vaidana Lakshmi Prasanna** completed **WHS791x: Technical Communication for Scientists and Engineers**, an online Certificate Course of study offered by IIT Bombay X during Nov.-Dec.2015
20. **Dr. Vaidana Lakshmi Prasanna completed FDP ICT001x: Use of ICT in Education for Online and Blended Learning, an online Certificate Course of study offered by IIT Bombay X during April -Aug2016**

WorkShops

1. Dr. Vaidana Lakshmi Prasanna Participated in the one day Faculty Development Programme on Effective Methods of Teaching for Engineering Faculty, organized by Institute of Public Enterprise (IPE), Hyderabad, held on 14 October 2012 at Hyderabad.
2. Attended NASSCOM workshop at JNTUH, 2Sep to Sep 6, 2013 Hyderabad.

Rekha P.M, Assistant Professor in English



Qualifications :Ph.D (JNTUH Reg.2012) M.A Literature(Osmania University, Hyderabad, 2001) ,B.A Literature (Mahatma Gandhi University, Kerala,1996).

Experience: 13+ years

Research Interest: American Literature

Conference Proceedings

In ternational

1. Participated in the Three Days International Conference conducted by British Council and English Foreign Languages university, Hyderabad on English Language Teacher Education in a Diverse Environment in 2013

No.Of Journal publications

2. Rekha.P.M, **Human Circumscription in decoding the sense of grace :A Study of O'Connor's short stories "The River" and "A Temple of the Holy Ghost " Literacy endeavour** International Journal ISSN 0976299X 10/4/2015

P.Sujeetha Rao, Asst.Professorin English

Qualifications :Ph.D (Indian Literature pursuing, reg OU 2013), M.A Lit (English Language Teaching) (OU Hyderabad-2003) , B.Sc (Computers) (OU Hyderabad-1997)

Experience :13 years

Research Interest: Modern Drama

No. of Journal Publications/Conference Proceedings: 01

1. “ The theme of Women Subjugation and Gender Inequality in Manjula Padmanabhan’s play Lights out” in International Journal of English Language Literature and Humanities ,Vol III Issue IX pg 45-49, Nov 2015



Certifications

1. Post Graduation Certificate in Teaching English (EFLU Hyd-2006).
2. Certificate Programme in “ **Enriching Soft Skills and Communicative Skills**” conducted by OUCIP,OU. (June 2013).

Conference proceedings 03

Journal Publications:

International:

1. “ Women subjugation and gender inequality in Manjula Padmanaban’s play Lights Out ” in International Conference on English Language and Literature : Reading and Reflections conducted at GITAM University on 7-8 August 2015

National

1. “The Frontiers of English Literature & The Patterns of English Language Teaching” organized by MGIT Hyd. (9 & 10 Nov, 2012). “English for Engineers acts as a tool to build a career”

International

1. International Conferences conducted by EFLU in Collaboration with British Council 2010,2011&2013.

R.LakshmiKanthi, Asst. Professor in English

Qualifications : PhD (English) (JNTU-H, in progress, Registered 2010), PGCTE (EFLU,Hyderabad),M.A(EnglishLitt.) (AndhraUniversity,1983),B.A(English Litt)(AU, 1981)

Experience: 28 years

Research Interest: Contemporary Indian Writing in English & Commonwealth Literature

No. of Journal Publications/Conference Proceedings: 4

Conference Proceedings

International

1. Lakshmi Kanthi R, ‘**JhumpaLahiri’s “Unaccustomed Earth” : A panacea for multicultural and global inhabitants**’, An International Conference conducted by Osmania University Centre for International Programmes& Indian Society for Commonwealth Studies.
2. International Conferences conducted by EFLU in Collaboration with British Council 2010,2011&2013

National



1. Lakshmi Kanthi R , “**Portrayal of evolution of second –generation female immigrants: JumphaLahari’s “Temporary Matter” and “Blessed House”** , a national conference on **Rethinking the Role of Humanities in Technical Education Pedagogies and Possibilities** (October 18-19, 2013) Organized by Department of Languages and Humanities BITS Pilani, Hyderabad campus
2. Lakshmi Kanthi. R, “**Use of Internet in Teaching English Language**” -An Analysis, a national conference On ‘**A Paradigmatic shift in ELT: Empowerment of the English Classroom**’(1&2 February2013) conducted by VasavicollegeofEngineering, Ibrahimbagh, Hyderabad.
3. Lakshmi Kanthi. R,**Significance of English and Employability Skills for Engineering Students**,a national conference on**The Frontiers of English Literature &The Patterns of English Language Teaching**(9 - 10 November 2012)Organized by Discipline of English Studies, Dept. of M & H ,Mahatma Gandhi Institute of Technology Gandipet, Hyderabad &ELTAI, Hyderabad Chapter

Mr. M. Aravinda Kumar, Asst. Professor in English



Qualifications:

Ph.D (HRM, Acharya Nagarjuna University in progress, Registered in 2011), M.A. English Literature (Osmania University, Hyderabad in 2005), Post Graduate Diploma in Communicative English (University of Hyderabad, 2008), B.A. English Literature (Sri Krishna Devaraya University, Anantapur), M.Phil (ANU, Guntur 2010), MHRM (ANU, Guntur 2008).

Experience: 8 years

Research Interest: Training Practices

Journal Publications / Conference Proceedings: 3

1. Participated and paper presented on “The influence of HRD in APTDC- An Analysis in a national conference conducted by Acharya Nagarjuna University, Guntur in 2008. (ISBN: 978-81-922783-3-9)
2. Participated and presented a paper on “Ethical practices in Hiring- Role Played by Various Hiring Authorities” in a national conference on “Management Practices in Global Perspective” at Yogi Vemana University, Kadapa in the year 2012.

3. Participated and presented a paper on “Recent Trends in HR of Indian Youth Segment: Adapting to Global Scenario” in a national conference on “Changing Scenario of HR in India” at Acharya Nagarjuna University, Guntur in 2012.



M.V.Sreekantha Reddy,

Asst.professor (Mathematics-BS Dept)

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Qualifications:Ph.D(AppliedMathematics)

(Rayalaseema University,Kurnool, in progress, Registered 2009),

M.Sc(Tech) (Systems Theorey and Industrial Applications)

(JNTU University, 1998), B.Sc (MPC) (SVU, 1995)

Experience: 15 years

Research Interest: Fluid Dynamics

No. of Journal Publications/Conference Proceedings: 6

Journal publications

International

1. M.V.Sreekantha Reddy "**Effects of chemical reaction, radiation and thermo-diffusion on convective heat and mass transfer flow of a viscous dissipated fluid in a vertical channel with constant heat flux**" in Advances in Applied science Research,Pelagia Research Library,2012,3(5),pp :3032-3044,ISSN:0976-8610.
2. M.V.Sreekantha Reddy "**Effect of Hall Currents on The Convective Heat and Mass Transfer of a Viscous Electrically Conducting Fluid through a Porous Medium Confined in a Rotating Horizontal Channel in the Presence of Heat Sources**" in International Journal of Emerging trends in Engineering and Development, Issue 2,Vol.6,September 2012,pp :691-706,ISSN:2249-6149.

3. M.V.Sreekantha Reddy "**Effect of Chemical Reaction and Thermo-Diffusion on Non-Darcy Convective Heat and Mass Transfer Flow in A Vertical Channel With Heat Sources**" in International Journal of Mathematical Archive-3(9), 2012, pp:3380-3392,ISSN:2229-5046.

Conference Proceedings

National

1. M.V.Sreekantha Reddy, "**XVII congress of Andhra Pradesh Society For Mathematical Sciences and National Conference on Mathematical Modelling in Emerging Technologies** held from 13th – 15th Feb 2009 at Malla Reddy Engineering College,Secunderabad
2. M.V.Sreekantha Reddy, "**XVIII congress of Andhra Pradesh Society For Mathematical Sciences and National Conference on Mathematical Solutions Using Soft Computing for Problems in Science and Technology** held from 11th – 13th December 2009 at Mrs.A.V.N College,Visakhapatnam.
3. M.V.Sreekantha Reddy, one week national workshop on "**Mathematical Modelling for Performance Oriented Heuristic Techniques and its Applications To Industry**" held at M.S.Ramaiah Institute of Technology,Bangalore from 7th-11th December 2009.



B Umamaheswara Rao, Assistant Professor in chemistry

Qualifications: PhD (Chemistry (Andhra University, in progress registered 2010), M.Phil (Engineering Chemistry) (Andhra University College of Engineering(A), Andhra University, 2001), M.Sc (Applied Chemistry) (Andhra University College of Engineering (A), Andhra University, 1999), B.Ed (Madhurai Kamaraj University, Madhurai, 1996).

Experience: 11 years (Teaching), 2 Years (Industry) and 1 year Senior Research Fellow in AU

Research Interest: NP, Isolation, Chemical Synthesis and Bio-assays, Environmental analysis, EIA and modelling.

Journal Publications/Conference Proceedings: 8

Journal publications

International

1. International Journal of Pharma and Bio Sciences , **SYNTHESIS, CHARACTERISATION, DNA INTERACTION AND CLEAVAGE ACTIVITY OF A NOVEL SERIES OF ISOMERIC PYRIDYL-TETRAZOLE COBALT (II) COMPLEXES**, Int J Pharm Bio Sci 2015 April; 6(2): (B) 1233 – 1242.

National

1. Dr M Venkaiah, B Umamaheswara Rao, Bruguiera cylindrical(L.)Rhyzophora apiculata BL in sarada and Varaha estuaries of Andhra Pradesh, AP Academy of Sciences, 2002.
2. Journal of Chemical and Pharmaceutical Research, 2015, 7(3):1907-1911, **Synthesis, structure elucidation and DFT studies of a new isomeric pyridyl-tetrazole derivative**, ISSN : 0975-7384, J. Chem. Pharm. Res., 2015, 7(3):1907-1911.

Conference Proceedings

International

1. Physio-chemical microbial activity of agaricus bifcores, International conference on colligence of computer science and Biotechnology, Andhra University, Visakhapatnam, 2009.

National

1. Physio-chemical properties of Gosthani river surface waters AP Science Congress, Osmania University, Hyderabad, 2008.
2. Economical Importance of Mangroves of North Coastal Andhra Pradesh, Indian Science Congress, Shillong, 2009.
3. Spectral, electrochemical behaviour of Alprazolam and Voltammetric assaying of pharmaceutical formulation, Journal of Chemical and Pharmaceutical Research, 2015, 7(2):766-771 ISSN : 0975-7384 CODEN(USA) : JCPRC5, 2014
4. Spectral, electrochemical behaviour of Alprazolam and Voltammetri assaying of pharmaceutical formulation in Journal of Chemical and Pharmaceutical Research, 2015, 7(2):766-771 ISSN : 0975-7384, J. Chem. Pharm. Res., 2015, 7(2):766-771



Name: Ms. K.Kalpana

Designation: AssistantProfessor of Humanities&Basic Sciences

Qualifications : M.Sc, (Ph.D)(Chemistry JNTU-H, in progress registered 2012).

Area of Specialization : Organic & analytical chemistry

Area of Interest : Synthesis of chemical compounds, analytical & spectroscopic Techniques.

Teaching Experience : 10 years

Conference Proceedings: 2

Conference Proceedings:

1. International Conference on “**Trend setting innovations in chemical sciences and technology-Applications in Pharma industry**”, at CCST, IST, JNTUH, Hyderabad from 16th -18th Dec 2015.

Title1: ”Synthesis and biological evaluation of combretastatin –urea derivatives as anti-cancer agents” from 16th -18th Dec 2015 CCST, IST, JNTUH, Hyderabad.

Title2: "A Concise Stereoselective total synthesis of Verbalactone" from 16th -18th Dec 2015 at CCST, IST, JNTUH, Hyderabad.

Name: Mr.J .KISHORE BABU



Designation: AssistantProfessor ,Dept of physics (BS)

Qualifications : PhD(Physics)(Acharya Nagarjuna-
University,Guntur,in progress, Registered in 2014)
: M.Sc(Physics)(Acharya Nagarjuna-
University,Guntur,2005)

Area of Specialization : SolidStatePhysics

Area of Interest : Luminescence, Crystal Growth

Teaching Experience : 10 years

Conference Proceedings: 4

National Conference Proceedings:

- 1. J.kishore babu**,Sridhar Mandava,A.S.Sai Prasad,B.Subba Rao and KVR Murthy
“Photo Luminescence Studies of Eu doped CaAl_2O_4 Phosphor” at the First National Conference on Materials For Specific Applications,ISBN 978-81-929088-4-7,PP:115-118, organized by Department of Physics,GRIET on 29-30 th March 2016.
- 2. Sridhar Mandava, Subrahmanyam Ramachandrula,Aparna Yarramareddy and J.kishore babu**
“Heating Effects of Nickel on the induced EMF and Effective resistance of Secondary coil” at the First National Conference on Materials For Specific Applications,ISBN 978-81-929088-4-7,PP:123-125, organized by Department of Physics,GRIET on 29-30 th March 2016.
- 3. J.kishore babu**,Sridhar Mandava,Arun Kumar,A.S.Sai Prasad,B.Subbarao and KVR Murthy
“Luminescence Studies of $\text{BaY}_2\text{O}_4\text{:Eu}$ Phosphor” at Third National Conference on Applied Physics and Material Science,ISBN 978-93-82570-64-6,PP:117-120, organized by Department of Physics,Vasavi College of Engineering on 7-8 th August 2015.
- 4. A.S.Sai Prasad, J.kishore babu,V.Ravi kumar and KVR Murthy**
“Thermo Luminescence Studies Of β -irradiated $\text{BaMgAl}_{10}\text{O}_{17}\text{:EU}$ Phosphor” at Third National Conference on Applied Physics and Material Science,ISBN 978-93-82570-64-6,PP:117-120, organized by Department of Physics,Vasavi College of Engineering on 7-8 th August 2015.