

BIO – DATA

Name : Dr. N.S.M.P.LATHA DEVI

Address : H.No. 13-102/2, Venkata Annapurna Nilayam, Tulasi Nagar, Ist lane, Kanuru, VIJAYAWADA.

Date of Birth : 14-09-1967

Institution's Address: Dr. N.S.M.P.Latha Devi
Associate Professor & HOD,
Dept. of Physics,
K L University,
Vaddeswaram,
GUNTUR DT.

Academic Qualifications (University/College from where attained, year of passing, class, Thesis title etc.) :

S.No.	Qualification	College/University	Year of Passing	Class	% of Marks	Specialization
1.	Ph.D	K L University	2014			Space Physics
2.	M.Phil	Andhra University	2008	First	69	Space Physics
3.	M.Sc	A.U.P.G.Centre, Nuzvid, A.U.	1991	First	65	Physics
4.	B.Sc	St. Theresa's College, A.U	1988	First	71	PMC
5.	Intermediate	Board of Intermediate Edn.	1985	First	80	MPC
6.	S.S.C.	Board of Sec. Edn.	1983	First	73	
Thesis Title	Research area : Ionospheric studies (Atmospheric studies) STUDIES ON IMPORTANT IONOSPHERE PARAMETERS AND IRREGULARITIES DURING QUIET AND MAGNETICALLY DISTURBED TIMES USING GROUND AND ADVANCED SATELLITE-BASED REMOTE SENSING TECHNIQUES					

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I. Research Publications list (Title of paper, authors, Journal details, pages, year etc.):

1. 'A Comparative Study on Ionospheric Parameter (h'F) Measured with Ionosonde and Predicted using IRI – 2007 Model at Japanese Longitudes during Low Solar Activity Years', **N. S. M. P. Latha Devi**, P. S. Brahmanandam, K. S. Ramesh, and G. Uma, *International Journal of Applied Engineering Research (IJAER)*, ISSN 0973-4562 Volume 8, Number 12 , pp. 1493-1504, 2013.
2. 'A comparative study on ionospheric parameter measured with Ionosonde and predicted using IRI 2007 model at Japanese longitudes during low solar activity years' **N. S. M. P. Latha Devi**, G. Anil Kumar, P. S. Brahmanandam, K. S. Ramesh, G. Uma, *International Journal of Remote Sensing & Geoscience (IJRSG)*, Volume 2, Issue 3, 2013.
3. 'Global S4 index variations observed using FORMOSAT-3/COSMIC GPS RO technique during a solar minimum year', P. S. Brahmanandam, G. Uma, J. Y. Liu, Y. H. Chu, **N. S. M. P. Latha Devi**, and Y. Kakinami, *Journal of Geophysical Research (JGR)*, Vol. 117, A09322, 2012.
4. 'Ionospheric responses to two large geomagnetic storms over Japanese and Indian longitude sectors' G. Uma, P. S. Brahmanandam, Youshiro Kakinami, A. Dimitriv, **N. S. M. P. Latha Devi**, K. Uday Kiran, D. S. V. V. D. Prasad, P. V. S. Rama Rao, K. Niranjana, Ch. Seshu Babu and Y. H. Chu, *Journal of Atmospheric and Solar-Terrestrial Physics (JASTP)*, doi:10.1016/j.jastp.2011.10.001, 2011.
5. 'Diurnal and seasonal variations in h'F and foF2 over low (Indian) and mid (Japanese) latitude stations — a comparative study' D. S. V. V. D. Prasad, S. N. V. S. Prasad, J. Vara Prasad, **N. S. M. P. Latha Devi** and P. V. S. Rama Rao, *Indian Journal of Physics (IJP)*, 84(4):345-358, 2010.

Participation in Refresher Course:

1. Science Academies' Refresher course in Experimental Physics conducted by K L University, Vaddeswaram, Guntur from 14th to 29th June, 2016 sponsored by Indian National Science Academy, New Delhi, Indian Academy of Sciences, Bangalore and The National Academy of Sciences, Allahabad, India.

Papers presented in International conferences

1. International conference on Navigational Systems & Signal Processing Applications (NSSP-2013), Organized by University College of Engineering & Technology, **Acharya Nagarjuna University**, Nagarjuna Nagar, on 13th & 14th December 2013, presented a paper entitled "TEC response due to Geomagnetic storm at low latitude GPS station".
2. Third international conference on RF and Signal Processing Systems (RSPS), sponsored by Dept. of ECE, **K L University**, during 26-27 July, 2013, presented a paper entitled "An Assessment of IRI TEC predictions and GPS-TEC Measurements over Low Latitude Station in Vaddeswaram, Guntur, India".

International Conferences participated

1. Navigation and Communication (**NAVCOM**) sponsored by NERTU, OU & DRDO on 20-21st Dec, 2012.
2. RF and Signal Processing Systems (**RSPS**), sponsored by Dept. of ECE, K L University during 8th & 9th Jan, 2010.

National conferences participated

1. National conference on Emerging trends of Advanced functional materials (**NCAFM-2015**), Organizing Committee, Department of Physics , K L University during 3th – 4th September - 2015, sponsored by Department of Science and Technology (DST), New Delhi.
2. 18th National Space Science Symposium (**NSSS**) 2014, from 29th January – 1st February 2014, Organized by Dibrugarh University, Dibrugarh and sponsored by ISRO.
3. Recent trends in Nanoscience and Technology for Device Applications (**RNTDA- 2013**) Organized by Department of Physics , K L University during 4th – 5th April-2013 sponsored by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), New Delhi.

National Seminars participated

1. Nanotechnology for Sustainability of Rural India – **NTSRI'14** Organized by Centre for Nanotechnology, Dept. of Physics & Chemistry, K L University, Guntur on 19th Feb' 2014.
2. Role of Radars in Atmospheric and ionospheric studies - **RAISE**, Dept. of ECE, KLU, on 4th - 5th Jan, 2012.
3. Oil and Gas exploration in Krishna Godavari & Pranahita-Godavari basin, Sir C. R. R. A. College, Eluru on 2nd Feb, 2009.

National workshops participated:

1. A Three-day workshop on Pico, Nano and Micro Satellites (**PNMSats**) under TEQIP-II organized by Research Center in Remote Sensing Techniques for Atmosphere & Ionosphere studies, MITS, Madanapalle, Chittoor during 23-25 June 2015.
2. Emerging trends in Renewable Energy (**NWETR – 2015**) by EEE and Centre for Advanced Energy studies sponsored by DST, Govt. of India at K L U on 18th and 19th March, 2015.

3.Recent trends in fuel cell technologies conducted by Centre for Advanced energy studies (CAES), KLU on 26th September, 2014.

4.Atmosphere and Weather radars-Recent developments and future challenges, sponsored by Narayana Engg. College, Nellore & UGC centre, Tirupathi on 3rd Nov.2012.

5.Nano science and Technology for device applications-**NSTDA**, Centre for Nano science and Technology, KLU on 31st Oct 2011.

Patent list, if any : -----

List of Projects implemented : -----

II Academics:

1. Best teacher award for the year 2011-2012.
2. Average pass percentage of my students is above 90%.
3. Average feedback is 85%.
4. Acting as a Lab-In charge for Engineering Materials lab II.
4. Acted as a Lab-In charge for the past 2 years.
5. Guiding Mini projects for 1st year B.Tech students.

III Administration:

1. Involvement of duties regarding Registration.
2. Representation of Women's forum member in the department of Physics.
3. Member of DST FIST sponsored Space Technology and Atmospheric Research Lab (STAR Lab).
4. Girls Hostel Committee member for first year B.Tech students.

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