

Curriculum Vitae of Dr.K.V.L.N.Acharyulu

Name: **K.V.L.N.ACHARYULU**

Full Name: **KANDURI VENKATA LAKSHMI NARASIMHACHARYULU**

Qualifications: **M.Sc,M.Phil.,Ph.D**

Profession: Associate Professor,
Dept.of Mathematics,
Bapatla Engineering College,
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Teaching Experience: 21 years

Research Profile

Research Experience: 20 years

- ❖ Number of International Research Publications – More than **134**
- ❖ Member of International Editorial/ Reviewer Boards(till 2019)- More than **100**
- ❖ **Editor-in-Chief** for two international journals (2013-2018)
- ❖ **Associate Editor** for two international journals
- ❖ Member of Advisory/Professional Bodies- More than **25**
- ❖ **Books** Authored -**5**
- ❖ **Chapters** Written - **10**
- ❖ Books Edited – **More than 100**
- ❖ Created **Three Unique World Records** in Mathematical Research.
- ❖ No of International Conferences/ Seminars/ Workshops/FDPs (Attended/Presented): **75**
- ❖ Reviewed hundreds of research articles of various countries throughout the world
- ❖ Program Committee Member of many International Conferences.
- ❖ Honoured with many Awards and Rewards

Research contribution to various Countries: America, Canada, Britain, China, Singapore, Indonesia, Malaysia, Egypt, Saudi Arabia, Pakistan, South Africa, Dubai, Jordan, Thailand, Ethiopia etc.(As a member of Editorial Board / Review Board).

Research Areas: Mathematical Modeling, Differential Equations, Numerical Methods, Mathematical Ecology, Mathematical Biology, Bio-Science, Real Analysis and Operations Research etc.

Research Advisor: Prof. N.Ch.Pattabhi Ramacharyulu, Professor (Retd.) of Mathematics, N.I.T, Warangal, India.

List of Research Articles of Dr.K.V.L.N.Acharyulu

- (1).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; On The Stability of An Enemy-Ammensal Species Pair with Limited Resources, International Journal of Applied Mathematical Analysis and Applications, Volume 4, No.2, pp. 149-161, July 2009.
- (2). K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; On The Stability of an Ammensal-Enemy Harvested Species Pair with Limited Resources, Int. J. Open Problems Compt. Math (IJOPCM), Vol. 3, No. 2, pp.241-266, June2010.
- (3).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;In View of The Reversal Time Of Dominance In An Enemy-Ammensal Species Pair With Unlimited And Limited Resources Respectively For Stability By Numerical Technique,International journal of Mathematical Sciences and Engineering Applications(IJMSEA), Vol.4, No. II, pp.109-131, June 2010.
- (4).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; On The Stability of an Ammensal - Enemy Species Pair With Unlimited Resources, International e Journal of Mathematics and Engineering, Volume-1, Issue-II, pp-140-149, 2010.
- (5).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; Some Threshold Results for an Ammensal- Enemy Species Pair with Limited Resources, International Journal of Scientific Computing (IJSC), Volume 4,pp.33-36, Jan-June 2010.
- (6).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; Liapunov's Stability Analysis on the Stability of an Ammensal-Enemy Species Pair with Limited Resources, International Journal of Mathematics and Engineering, Volume-1, Issue-III, pp.240-245, 2010.
- (7).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;An Ammensal-Enemy Specie Pair With Limited And Unlimited Resources Respectively-A Numerical Approach, Int. J. Open Problems Compt. Math (IJOPCM), Vol. 3, No. 1, pp.73-91, March 2010.
- (8).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;On The Carrying Capacities Of An Ammensal And Enemy Species Pair With Limited Resources At Low Ammensalism - A Numerical Approach, International Journal of Mathematics and Applications, Vol.3,No.1,pp.15-22,Jan-June 2010.
- (9).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;A Study On The Global Stability Of An Ammensal Species With Unlimited Resources - The Enemy Species With Limited Resources, International Journal Of Mathematics And Engineering,Volume-1,pp.Issue-IV, pp.498-505, 2010.
- (10).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;On The Stability Of Harvested Ammensal - Enemy Species Pair with Limited Resources, International Journal of Logic Based Intelligent Systems, Vol.4, No.1, pp.1-16, 2010.
- (11).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu;On The Stability Of An Enemy - Ammensal Species Pair with Resources Limited for One Species and Unlimited for the other, International e Journal of Mathematics and Engineering Volume-1, Issue-I, pp.1-14, 2010.
- (12).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; Liapunov's Function for Global

Stability of Harvested Ammensal and Enemy Species Pair with Limited Resources, International Review of pure & applied mathematics, Volume 6, No.2, pp-263-271, July-Dec.2010.

(13).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; An Ammensal Species With Limited Resources And Enemy Species With Unlimited Resources – Global Stability Analysis, International e Journal of Mathematics and Engineering, Volume- 1, Issue-III, pp.449-449, 2010.

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(17).K.V.L.N.Acharyulu and N.Ch. Pattabhi Ramacharyulu; Some threshold Results on an Ammensal-Enemy Ecological Model with variable Ammensal Coefficient, Global Journal of Mathematical Sciences: Theory and Practical, Volume-2, Number-1 , pp.49-58, 2010.

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- (41).P.Rama Mohan and K.V.L.N.Acharyulu; A Special Case Study Of Ecological Ammensalism With A Numerical Approach, International Journal of Advanced Engineering Technology (IJAET), Volume II, Issue III, pp. 153-160, July-2011.
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- 1) Some Aspects of Game Theory & Impacts of Progressions (AP & GP) on PERT, International Research Publication House, Delhi, ISBN 978-93-87388-30-7, 2019, Co-author: P.Prasanna Anjaneyulu.
- 2) The Influences of Progressions(GP & HP) on PERT & Some Special cases in Game theory, International Research Publication House, Delhi, ISBN 978-93-87388-29-1, 2019, Co-author: I.Pothu Raju.
- 3) A Text book of Ecological Ammensalism, Research India Publications, ISBN 978-93-84144-15-9,2014.
- 4) An Address to Ammensalism, International Research Publication House, ISBN 978-81-89476-11-4, 2013,Co-author: P.Rama Moohan.
- 5). A Scientific Computational Study on Game Theory and Huge Networks, Research India Publications,ISBN 978-81-89476-03-3,2013,Co-author: Maddi N. Murali Krishna

Chapters Written: (10)

- (1).Two Chapters in '**Engineering & Technology, Recent Innovations and Research**' (*an international edition*), International Research Publication House, ISBN: 978-93-86138-06-4,2016.
- (2).Two Chapters in '**Advanced Mathematics**' (Theory and Applications), Research India Publications, ISBN 978-93-84443-20-7,2017.
- (3).Two Chapters in '**Industrial Engineering & Management Practices**' (**An International Edition**) ,International Research Publication House, ISBN:978-93-84443-56-6,2017.
- (4).Two Chapters in '**Renewable Energy Sources and Environment protection**', International Research Publication House, ISBN 978-93-87388-19-2,2018.
- (5).Two Chapters in '**Introduction to Computational and Applied Mathematics**', Research India Publications, Delhi, ISBN978-93-87374-35-5,2018.

Founding Member/Life time member/ Member of various professional bodies:

- * International Center for Scientific Research and Studies(Founding Member: 2010-2012)
- * Indian Mathematical Society
- * Ramanujan Mathematical Society
- * AP Society for Mathematical Sciences
- * Rajasthan Ganita Parishad
- * The Association of Mathematics Teachers of India
- * International association of Engineers

- * International Electronic Engineering Mathematical. Society
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- * International Mathematical Union
- * International Association of Computer Science and Information Technology
- * Engineering and Scientific Research Groups
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- N. Phani Kumar, K.V.L.N.Acharyulu and K. Shiva Reddy, ‘Dynamics of Optimal Harvesting in an Ammensal-Enemy Interaction’, Proceeding of International Virtual Conference on Mathematical Modelling, Analysis and Computing (MMAC-2021) conducted by Department of Mathematics, Thiruvalluvar University, Vellore, Tamil Nadu, India , July 8th and 9th, 2021.
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- K.V.L.N.Acharyulu, ‘*Research and it’s important components*’, Proceeding of 5th International Conference on Interdisciplinary Research for Sustainable Development 2020 (Virtual IRSD 2020) organized by Green ThinkerZ in association with Western Sydney University, Australia and Wakelet - Manchester UK , 25-12-2020
- An invited talk as a key note speaker on ‘*Fundamentals of Mathematical Modeling in Ecology*’ in Second International Multidisciplinary Conference on Latest Research Trends, KU Home, Kasetsart University, Chatuchak, Bangkok, Thailand, 7-12-2020.
- An invited talk on ‘Various Interactions in Mathematical Ecology’ Virtual International Award Conference on Multi- Disciplinary Research and Innovation conducted by International Association of Research and Developed Organization (IARDO) ,Conference World and Dolphin (PG) College of Science & Agriculture Chunni Kalan, Punjab, India, 28-11-2020.
- Three Days Faculty National Level Faculty Development Program: ‘Application of Matlab/Simulink to Electrical System’ Conducted by Dept. of Electrical and Electronics Engineering , Bapatla Engineering Collge, Bapatla, Dec 7th-9th, 2017.
- K.V.L.N. Acharyulu “ A Problem in Game Theory with Fibonacci Numbers ”, Proceeding of 12th International Conference on Recent Trends in Engineering, Science and Management

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- Five Day Faculty Development Program: ‘A Workshop on Essentials of Latex’ Conducted by Dept. of CSE & I.T,Bapatla Engineering Collge with the collaboration with Computer society of India at Bapatl Engineering College, Bapatla, October 23rd-25th & 30th-31st, 2017.
- K.V.L.N. Acharyulu “A case Study on the influence of Optimistic time estimate on a network with Arithmetic Progression”, Proceeding of 11th International Conference on Recent Trends in Engineering, Science and Management,ICRTE SM-17, ISBN:978-93-86171-72-6, Organized by The Institution of Electronics and Telecommunication Engineers, Osmania University Campus, Hyderabad,22nd October , pp. 199-206,2017.
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- K.V.L.N.Acharyulu & N.Phani Kumar, “Uniqueness Of Ammensal & Commensal Mathematical Models With Limited Resources In Fully Washed-Out State”, Proceeding of International Conference on Science, Technology and Management, ICSTM-2015, Organized by AR Research Publication, YMCA, New Delhi, India , 1st February, pp. 493-498, 2015.
- K.V.L.N.Acharyulu, “Ammensal Mathematical Model with Time Delay-Case(I) Study”, Proceeding of International Conference on Recent Trends in Engineering Science and Management, ICETESMA-15, Pearson Publications, ISBN 978-93-325-4896-1, Organized by Academic Science at Jawaharlal Nehru University, JNU convention Center, New Delhi , 1st March, pp.531-535, 2015.
- K.V.L.N.Acharyulu & P.Prasanna Anjaneyulu, “Ammensal Mathematical Model with Time Delay in Co-Existent equilibrium State”, Proceeding of International Conference on Recent Trends in Engineering Science and Management, ICETESMA-15, Pearson Publications, ISBN 978-93-325-4896-1, Organized by Academic Science at Jawaharlal Nehru University, JNU convention Center, New Delhi , 1st March, pp.536-539, 2015.
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- XXIII of APSMS and National conference on Mathematics Organized by Dept. of Science & Humanities, Vignana’s University, Guntur, December 12th-14th , 2014.
- A two day UGC Sponsored National Seminar on the Role of Mathematics and Information Sciences in Design of Sophisticated Systems, Conducted by Dept. of Mathematics, Andhra Loyola College (Autonomous) in the Collaboration with Dept. of Computer Science, Krishna University, Vijayawada, August 20th-21th, 2014.
- XXII Congress and National Conference on Recent Trends in Applications of Mathematics (Sponsored by CSIR, Govt. of India & APCOST, Govt. of A.P) conducted by Andhra Pradesh society for Mathematical Sciences at Anurag Group of Institutions, Ghatkesar, December 13-15, 2013.
- National Seminar on Economic Growth & National Integration conducted by IIFS at New Delhi, February 9, 2013.

- National Conference on Applications of Mathematics in Engineering, Physical and Life Sciences conducted by Andhra Pradesh society for Mathematical Sciences at Sri Venkateswara University, Tirupathi, December 7-9, 2012.
- National workshop on Mathematical Modelling in Life and Social Sciences organised by Sumanth Reddy Institute of Technology for Woman in collaboration with Andhra Pradesh Society for Mathematical Sciences & Gwalior Academy of Mathematical Sciences at Warangal, June 11-16, 2012.
- National Conference on Mathematical Modelling & Simulation conducted by Andhra Pradesh society for Mathematical Sciences at Khammam, December 9-12, 2011.
- National Conference on Mathematical Solutions Using Soft Computing Problems in Science and Technology conducted by Andhra Pradesh society for Mathematical Sciences at Visakhapatnam. December 11-13, 2009.
- International Conference on Number Theory conducted by RKM Vivekananda College, Chennai, sponsored by NBHM in the year 2006.
- One of the organizers of “Short term training program on theory of computer science for P.G. Teachers of affiliated colleges of Acharya Nagarjuna University” conducted by Department of Mathematics and Department of Computer science and Engineering in collaboration with Dept. of Mathematics, Acharya Nagarjuna University held during 22-27 Nov 2004 at Bapatla Engineering College, Bapatla.
- Off-campus workshop on Coding Theory conducted by Nagarjuna University at Sarada Degree College, Vijayawada in the year 2003.
- National Conference on Julia Sets conducted under the special Assistance program of UGC by the Dept. of Mathematics, University of Hyderabad in the year 2002.

Awards/Rewards/Records:

- Adjudged as one of *“the 2000 outstanding intellectuals of 21 century”* by International Biographical Centre, Cambridge, England.
- Founding member of *“International Center for Scientific Research and Studies”*, King Faisal University, Saudi Arabia.
- Selected as one of the *“Top 100 Educators in 2011”* by International Biographical Centre, Cambridge, England.
- Name included in *Maquis “Who is Who in the World”*, 30 th Edition, U.S.A.
- Awarded *“Young Scientist Award”* on 13-10-2012 by *Khajure Research Foundation and Development Society*, Humnabad, Karnataka for research excellency.
- Received *“Global Indian Achiever's Award”* for Education Excellence 2012 on 4-12-2012 by Economic Development Forum, New Delhi for significant research in Mathematics.

- Honoured with '*Bharat Jyoti Award*' on 09-02-2013 by IIFS, New Delhi for Meritorious Services, Outstanding performance and Remarkable Role in Research Filed, Presented by **Dr.Bhishma Narain Sing**, Fr. Governor of Tamilnadu & **Sri.G.V.G.Krishna Murthy**, Ex. Chief Election Commissioner of India.
- Honoured with "*Best Citizen of India-2013*" by International Publishing House, New Delhi, India.
- Three Unique World Records in the field of Research.
 - (i).2014PP296 – "*Member of Most Editorial Teams*"
 - (ii).2014MM319 – "*Most International Research Publications from Ph.D.Thesis*"
 - (iii). 2014MM320–"*Most Research Publications in a Minimum Period*".
- Included name in '*Book of State Records, 2014*', Andhra Pradesh.
- Received '*Bharat Ratna Mother Teresa Gold Medal*' in the 25th International Unity Conference on 8-03-2015 at Bangalore conducted by Global Economic Progress and Research Association & Presented by **Prof.Dr.H.Sivanna, Vice Chancellor**, University of Agricultural and Sciences, Bangalore.
- Included name second time in '*Book of State Records*', 2015", Andhra Pradesh.
- Received '*Dr.Abdul Kalam Gold Medal Award*' in the 29th National Seminar on Individual Achievements and National development on ,15-10-2015 at Chennai, conducted by Global Economic Progress and Research Association, **Presented by Hon'ble Justice: Sri.S. Mohan, Supreme Court of India** & Fr. Governor of Karnataka.
- Honoured with '*Best Editor-in-Chief Award*', 2015" by Academicians' Research Center (arc), Hyderabad.
- Received '*Mahatama Gandhi Gold Medal Award*' in the 38th National Conference on Individual Achievements and National development on 15-10-2016 at Bangalore conducted by Global Economic Progress and Research Association, Presented by Hon'ble Justice: **Padmanabha Kedilaya** & Hon'ble **M.V.Rajasekaran**, Fr. Union Minister of India.
- Received '*Editorial Excellence Award-2017*' by International Institute of Organized Research (I2OR), India & Australia.
- Received '*Outstanding Research Award-2017*' by International Institute of Organized Research (I2OR), India & Australia.
- Received '*Research Excellent Award-2018*' from Institute of Scholars (INSC), Bangalore, India on 10-2-2019.
- Honoured with '*Outstanding Educator Award-2018*' by Green ThinkerZ Society, Punjab, India on 5-4-2019.

- Received '*Department Best Teacher Award*'(2018-2019) from Bapatla Engineering College,Bapatla on 14-9-2020.
- Honoured with '*Best Researcher Award-2019*' by Indian Academicians and Researchers Association, India on 28-9-2019.
- Received '*Active Young Researcher Award*' from International Research Publications,India on 20-10-2019.
- Received '*Preeminent Researcher Award -2020*' from IRSD2020 on 25-12-2020 association with Centre for smart modern construction,Western Sydney University, Australia; Wakelet-UK, International institute of organised research, India.

