

# Curriculum Vitae

Name : **Dr. Lokanatha Valluru**  
Designation : Professor & Head  
Address : Department of Biotechnology  
Dravidian University  
KUPPAM, A.P., INDIA  
e-mail: [lokanath.valluru@gmail.com](mailto:lokanath.valluru@gmail.com)  
Cell : +91- 9652840923



## 1 Personal Details

Nationality : Indian  
Marital Status : Married  
Date of Birth : August 1, 1967

## 2. Education

**Ph.D** : Neurochemical changes during Newcastle disease virus infection in different brain regions of chick  
University : Sri Venkateswara University, Tirupati, A.P  
Year of completion : 1995

**Post Graduation** : **M.Sc (Zoology)**  
University : Sri Venkateswara University, **Tirupati**  
Division : First Class  
Year of Completion : 1990

**Graduation** : **B.Sc (Botany, Zoology and Chemistry)**  
University : Sri Venkateswara University, **Tirupati**  
Division : First class  
Year of completion : 1988

**Intermediate** : **Bi.P.C (Botany, Zoology, Chemistry and Physics)**  
Board : Board of Intermediate Education, Hyderabad  
Division : Second class  
Year of completion : 1985, PVC Govt. Jr. College, **Vayalpad, Chittoor**

**SSC** : Telugu, English, Hindi, Science, Social and Maths  
Board : SSC Board, Hyderabad  
Division : Second class  
Year of completion : 1983, PVC Govt. Jr. College, **Vayalpad, Chittoor**

## 3. Honors and positions

- **Professor of Zoology** (Selection on lien), Rayalaseema University, Kurnool, (2017-19)
- Qualified in Graduate Aptitude Test in Engineering (**GATE-'92**), **1992**
- Qualified in State Level Eligibility Test for Lectureship (**SLET**), **1997**
- NIH Postdoctoral Fellowship, **USA (2002-'04, 2005-'07 & 2010-2011)**
- DST Fast Track Young Scientist Project, India
- CSIR Research Associate, India
- UGC Junior Research Fellowship, India

#### 4. Awards

- Associate Fellow, Andhra Pradesh Akademi of Sciences, **HYDERABAD**, 2010
- Scientist of the year award, National Environmental Science Academy, **NEW DELHI**, 2009
- National Institute of Health Post-doctoral fellowship, UTMB, Galveston, **USA**, 2002
- Intl. Soc. of Neurochem. (ISN) travel grant award, Bueonos Aires, **ARGENTINA**, 2001
- Asian Molecular Biologists Organisation (AMBO) fellowship, Osaka, **JAPAN**, 1999
- Young scientist travel grant award by FAOPS Congress, Brisbane, **AUSTRALIA**, 1998
- Young scientist travel grant award by MPPS, Kuala Lumpur, **MALAYSIA**, 1996
- Awarded 4th rank in M. Sc., S.V. University, Tirupati, 1990

#### 5. Research Projects Handled

- **DBT- Major Research Project titled:** Development of small molecular weight angiotenism II enzyme inhibitors from marine organisms as potential hypertensives” DBT lr.no.BT/PR 15757/AAQ/ 3/ 757/2015, dt. 27.02.2015. PIs: Dr. Lokanatha Valluru and Dr. Kajal Chakraborty (CMFRI) **(Completed)**
- **DST-SERB Major Research project titled:** Characterization of polysaccharides and phenolics from marine macroalgae as defense metabolites oxidative stress and inflammation. (collaborative project with Central Marine Research Institute, Cochin. PI: Dr.Kajal Chakaraborty, CoPI: Dr. Lokanatha Valluru Lr.No.SR/S1/OC-96B/2012 dt.20.11.2013. **(Completed)**
- **DST-SERB Major Research project titled:** Synthesis and characterization of novel, phosphorylated anti-viral molecules against Newcastle Disease Virus (NDV) infection in chicken. Lr.No. SB/SO/AS-021/2013 dt.14.10.2012. **(Completed).**
- **DST-DSIR Major Research project titled:** Stem cell marker protein CD44 in cancer diagnosis: Development of immunodiagnostic kit. Lr No. DSIR/TEPP/103/2007/142, 30.01.2008, with duration of 2008-'10 **(Completed)**
- **UGC- Major Research Project titled:** Oxidant and antioxidant systems: role and significance during Newcastle disease virus (NDV) infection. Dt. 01.05.2009, F.No 36-85/2008(SR),dt 26.03.2009 **(Completed).**
- **DST-SERC young scientist project titled** “Pathogenic role of oxygen free radicals during Newcastle Disease Virus (NDV) infection in chick and implications of antioxidant defence” Lr.No.SR/FT/L-35/2003/ dt. 30.04.2004 **(Completed).**

#### 6. PATENTS

Title of the Patent	Registration No.	Status
“A PROCESS TO PREPARE ANTIDIABETIC CONCENTRATES FROM SEaweEDS AND A PRODUCT THEREOF”	3366/DEL/2015 Dt. 19/10/2015	Under process

## 7. Professional Experience

- a. Teaching 13 years and 6 months (plus 5 years during R.A. at SVU)
- b. Research 24 years

## 8. Administrative Positions

1. **Head** (2020-to-date), Department of Biotechnology, Dravidian University, Kuppam.
2. **Member (2019)** Board of studies (BOS) Department of Zoology, Vikramasimhapuri Univ. Nellore
3. **Member (2019)** Board of studies (BOS) Department of Zoology, Dravidian University, Kuppam
4. **Dean (2019)** College Development Council (CDC), Rayalaseema University, Kurnool
5. **Dean (2018)**, School of Life Sciences, Rayalaseema University, Kurnool
6. **Director (2018)**, Research and Development, Rayalaseema University, Kurnool
7. **Chairman (2018)**, Board of Studies (BOS), Dept. of Zoology, Rayalaseema University, Kurnool
8. **Chairman (2018)**, Board of Studies (BOS), Dept. of Biotechnology, Rayalaseema Univ. Kurnool
9. **Member (2018)**, Board of Studies (BOS), Dept. of Biotechnology, S.P.Mahila Univeristy, irupati
10. **Co-ordinator (2018)**, A.P. Eamcet and A.P. Edcet Help Line Center, Rayalaseema Univ., Kurnool
11. **Head (2017)**, Dept. of Zoology, Rayalaseema University, Kurnool
12. **Head (2016)**, Dept. of Biotechnology, Dravidian University, Kuppam
13. **Additional Controller of Examinations (2014)**, Dravidian University, Kuppam
14. **Member (2013)**, Board of Studies for M.Sc., Zoology, Dravidian University, Kuppam
15. **Co-ordinator (2013)**. Dept. of Zoology, Dravidian University, Kuppam
16. **Co-ordinator, (2012)**. UGC & other funding agencies programmes, Dravidian University, Kuppam.
17. **Co-ordinator (NSS) (2011)**. University NSS Cell Programme, Dravidian University, Kuppam

## 9. Ph.D., / M.Phil., Guidance

Sl. No.	Name of the Student	Title of Research	Awarded Degree
1.	K. Surendra Naidu	Screening of bioactive lead molecules from marine microalgae for Cancer	Ph.D (20.03.19)
2.	K. Suresh	Synthesis of novel antiviral molecules against Newcastle Disease Virus (NDV) infection in chicken	Ph.D. (27.09.18)
3.	R. Lavanya	Purification and characterization of sulphated galactopyran (SGP) from Gracilaria opuntia: Efficacy of SGP on streptozotocin induced diabetic rats	Ph.D. (10.04.18)
4.	R. Lavanya	EVALUATION OF ANTI-DIABETIC PROPERTIES OF THE COMPOUNDS ISOLATED FROM MARINE MACROALGAE	M.Phil (26.10.15)
5.	Dr.K.C.Venkata Subbaiah	Oxidant and antioxidant systems: Role and significance during Newcastle disease virus (NDV) infection in chicken	Ph.D. (19.11.14)
6.	Dr. D. Subramanyam	Serum biomarkers and biochemical changes in cervical cancer	Ph.D. (06.08.14)

### Working / Submitted

S.No.	Name of the Student	Title of Research	Degree M.Phil./ Ph.D.
1.	R.Sarvanan	Isolation and characterization of bioactive compound from <i>Andrographis paniculata</i> : An antiviral activity against Newcastle Disease Virus (NDV).	Ph.D. (Submitted)
2.	E. Mythri	Anti-inflammatory activity of marine macroalgae extracts on albino rats	Ph.D.
3.	C. Sambasiva Reddy	Screening and evaluation of antithyroid activity of marine macro organisms in methmazole induced rats.	Ph.D.

## 10. Professional Exposure

### *Training – Foreign*

- Attended training course on “**Introduction to Molecular Biology Techniques**” held on August 2-30, 2002, University of Texas medical Branch, Galveston, **USA**.
- Attended workshop on “**Animal Care and Use**” held on June 11-13, 2002, at Institutional Animal Care & Use Program, University of Texas Medical Branch, Galveston, **USA**.
- Attended International Society of Neurochemistry (ISN) school on “**Genomics and bioinformatics in neuroscience: Genes to ethics in 21<sup>st</sup> century**” held on Aug.22-30, Buenos Aires, **ARGENTINA**
- Attended a training course on “**Advanced Techniques in Structural Biology**” (Mass Spec. Dr.Toshifumi Tako lab) held on March 9-18, 1999, Institute of Protein Research, Osaka University, **JAPAN**
- Attended “**Computer Assisted Learning in Physiology**” course held on Sept.22-28, 1998, University of Queensland, Brisbane, **AUSTRALIA**
- Attended “**Immunoassay Techniques**” course held on Nov.4-9, 1996, University of Malaya, Kuala Lumpur, **MALAYSIA**

### *Training - National*

- Attended training programme on Entrepreneurship Development & Management for Scientists & Technologists with Government Sector during at Entrepreneurship Development India, Ahmedabad, Dec. 10-14, **2012**
- Attended training course on **Techniques in developmental biology** at All India Institute of Medical Sciences (AIIMS), New Delhi, from Feb.7-10, 1995
- Attended workshop on **Isolation and characterization of different cell types of brain**, at University of Hyderabad, Hyderabad. (Dec. 7-19, 1992).
- Attended training course on **Electron Microscopy**, at All India Institute of Medical Sciences (AIIMS), New Delhi, from Nov.18 to Dec.9, 1993
- Participated in **Bioinformatics course** at CCMB, Hyderabad from May 8-10, 2000.
- Attended workshop on **Applications in Molecular Biology** at Pondicheery University from Mar.29 to Apr.1, 1993.
- Attended course on **Molecular immunobiology of self & non-self reactivity** at Madurai Kamaraj university from Nov.16-22, 1992.
- Attended training course on **ELISA & other immunodiagnostic techniques**, at Mahatma Gandhi Institute of Medical Sciences (MGIMS), Sevagram, from Sept. 13-30, 1993

## 11. Editorial Board Member

1. Editor on the board of the Journal “Research & Reviews: Journal of Herbal Science (RRJoHS), Noida, India, from 25 Sept. 2014.
2. Guest Editor and Advisory Board Member for the Journal “Oxidants and Antioxidants in Medical Sciences” Turkey from March 31, 2014.

## 12. Memberships in Scientific Bodies

1. Life Member (**L.M.No.2015036**) for Indian Society of Cell Biology, India, 2015
2. Life Member (**L.M.No.3339**) in The Society of Biological Chemists, India, Bangalore, 2014
3. Life Member (**L16245**) in Indian Science Congress Association, Calcutta, India, 2010
4. Life Member (**L.M.No. 1211**) in Environmental Science Academy, New Delhi, India, 2008
5. Member, International Brain Research Organization, France
6. Member, Society for Neuroscience, USA
7. Member, Indian Society for Comparative Animal Physiology, Tirupati
8. Member, Society for Toxicology, Lucknow

## 13. Orientation / Refresher Courses

1. **Lokanatha Valluru (2008)**. Participated in UGC-Sponsored Orientation Programme held from 17.11.08 to 13.12.2008 at Academic Staff College, S.V.University, Tirupati.
2. **Lokanatha Valluru (2011)**. Participated in UGC-Sponsored Refresher Course on Environmental Studies held from 23.05.2011 to 11.06.2011 at Academic Staff College, S.V.University, Tirupati.
3. **Lokanatha Valluru (2011)**. Participated in NSS 105<sup>th</sup> Orientation course held from 16.08.2011 to 21.08.2011, at NSS empanelled Training Institution, Andhra University, Visakhapatnam, A.P.
4. **Lokanatha Valluru (2013)**. Participated in UGC-Sponsored Refresher Course on Environmental Studies held from 17.12.2012 to 05.01.2013 at Academic Staff College, S.V.University, Tirupati.
5. **Lokanatha Valluru (2016)**. Participated in UGC-HRD Sponsored Refresher Course on Life Sciences held from 18.08.16 to 07.09.16 at Academic Staff College, S.V.University, Tirupati.

## 14. Special / Invited Lectures/ chaired / Jury Member

1. **Lokanatha Valluru (2020)**. Invited talk on “Bio-Business – reaching the unreachable” presented at National symposium on Life Sciences held on 9-10 Jan. 2020, at Shri Gnanmbica Degree College, Madanapalle, Chittoor dist.
2. **Lokanatha Valluru (2019)**. Invited talk on “Prodrugs of didanosine derivatives protects chicken from Newcastle disease virus (NDV) mediated pathogenesis through oxidative stress” at National seminar on Current status and future prospects in life science research (CSFPLR-2019) during 28-29 March, 2019 at Department of Biotechnology, Dravidian University, Kuppam.
3. **Lokanatha Valluru (2019)**. Invited as Jury Member for State Level Exhibition and Project Competition INSPIRE MANAK-2019 program (DST) held at Visakhapatnam during 3-5, Feb, 2109.
4. **Lokanatha Valluru (2019)**. Invited as Jury Member for District Level Exhibition and Project Competition INSPIRE MANAK-2019 program (DST) held at Kurnool during 27-29 Jan. 2109.
5. **Lokanatha Valluru (2018)**. Invited talk on “Antiviral activity of nucleoside inhibitor drugs: Enhancement of antiviral activity by phosphorylation prodrug strategies” at A.P. Akademi of Sciences organized by Yogi Vemana University, Kadapa held during 9-11 Nov. 2018.

6. **Lokanatha Valluru (2018).** Invited talk on “Novel phosphorylated antiviral molecules of abcavir possess enhanced antiviral activity against Newcastle disease virus” and chaired session at National conference on Innovations and future challenges in Biotechnology (NCIFCB-2018) during 26-28 March, 2018 at Department of Biotechnology, Sri Venkateswara University, Tirupati.
7. **Lokanatha Valluru (2018).** Invited talk on “Marine macroalgae extracts ... nociceptive activities” at National conference on The current and future prospects of animal physiology and biotechnology in disease control in the era of interdisciplinary ethnopharmacology: (APBDCE-2018) during 29-30 August, 2018 at Department of Zoology, Sri Venkateswara University, Tirupati.
8. **Lokanatha Valluru (2017).** Invited talk on Diabestes Mellitus: A review on current trends. At National seminar on Recent Advances in Biotechnology (NSRAB-2107) during 9-10, Feb. 2017 organized by Dept. of Biotechnology, Dravidian university, Kuppam.
9. **Lokanatha Valluru (2016).** Chaired the session in the National Science Day Celebrations-2016 on “Make in India: Science and Technology Driven (NSDC-2016)” on 25<sup>th</sup> Feb. 2016 held at S.V. University, Tirupati.
10. **Lokanatha Valluru (2015).** Chaired the session in the National conference on “Science and Technology for indigenous development in India (BIOBLOOMS-2015) during 5<sup>th</sup>-7<sup>th</sup> Oct. 2015 held at M.S. Ramaiah College of Arts, Science and Commerce, Bengaluru, Karnataka
11. **Lokanatha Valluru (2014).** Invited Lecture on “Alleviation of Newcastle disease virus (NDV) induced oxidative stress in chicken using vitamin as an antioxidant” at National seminar on ‘Present status and future prospects of modern biotechnology and their applications’ (PSFPMBA-2014) during 27-29 March, 2014 at Dravidian University, Kuppam.
12. **Lokanatha Valluru (2014).** Chaired the session in the National conference on “ Conservation of Eastern Ghats” during 04-05 Dec. 2014 held at S.V. University, Tirupati.
13. **Lokanatha Valluru. (2012).** Special Lecture on “Biosynthesis, characterization antimicrobial and antioxidant activity of silver nanoparticles produced by Lichen Punctelia subrudecta” at International Conference on ‘Anthropogenic Impact on the Environment and Bioremediation’- from Nov. 26-28, 2012 (ICAIEB2012), Sri Venkateswara University, Tirupati.
14. **Lokanatha Valluru (2012).** Visiting fellow, special lectures for M.Sc. (Anthropology) students on human genetics from 25-30 June, 2012, Dept. of Anthropology, S.V.University, Tirupati
15. **Lokanatha Valluru (2010).** National Workshop on “Recent Trends in Bioinformatics” Special Lecture on “From Protein Structure to Function with Bioinformatics” held from June 25-26, 2010, at Dept. of Zoology, S.V.University, Tirupati
16. **Lokanatha Valluru (2011).** NSS, National Integration Camp Special Lecture on “Indian Bio-diversity and National Unity” held on 02.12.2011 at Govt. First Grade College, Chickbalapur, Karnataka

#### **15. Conference / Seminar Organized**

1. **Lokanatha Valluru (2014),** Organized National Science Day on Feb.28, 2014, at D.U., Kuppam
2. **Lokanatha Valluru (2012).** Organized National Seminar on “Emerging Trends in Biotechnology: Challenges and Opportunities” held from 13<sup>th</sup> – 15<sup>th</sup> March, 2012, at Dept. of Biotechnology, Dravidian University, Kuppam.
3. **Lokanatha Valluru (2011).** Organized Seminar on “NSS-Orientation & Anti-Ragging Programmes” held from 14-15 September, 2011, at Dravidian University, Kuppam.
4. **Lokanatha Valluru (2011).** Organized “NSS-Foundation Day Programme” held on 24 September, 2011, at Dravidian University, Kuppam.
5. **Lokanatha Valluru (2011).** Organized “NSS- 1000 Tree Plantation Programme” held from 19-20 October, 2011, at Dravidian University, Kuppam.

## 16. Conference / Seminar Participated

1. **Lokanatha Valluru (2020)**. Participated in the 1 day webinar Programme on “NAAC assessment and accreditation process and awareness about the NEP 2020” held on 26 Aug. 2020, organized by Sri Padmavati Mahila Visvavidyalayam (Women’s University), Tirupati in association with NAAC, Bengaluru.
2. **Lokanatha Valluru (2020)**. Participated in the 1 day webinar Programme on “The Response of the DBT’s Autonomous Institutes to COVID-19 – Part-I” held during 21 Aug. 2020, organized by India Alliance, New Delhi.
3. **Lokanatha Valluru (2020)**. Participated in the 3 day online Faculty Development Programme on “Plants for food and health care” held during 12-14 Aug. 2020, organized by Yogi Vemana University, Kadapa.
4. **Lokanatha Valluru (2020)**. Participated in the 3 day online Faculty Development Programme on “E-learning management systems” held during 29 June to 1<sup>st</sup> July, 2020, organized by Yogi Vemana University, Kadapa.
5. **Lokanatha Valluru (2017)**. Participated in the National seminar on Aquaculture production and Biodiversity conservation and environmental toxicology (ABET-2017) held during 30-31, Aug. 2017, organized by Dept. of Zoology, S.V.University, Tirupati.
6. **Lokanatha Valluru (2017)**. Participated in the national Lecture cum practical workshop on New Horizons in Exercise and Health (NHEH-2017) held on 4-5, Aug. 2017 at Dept. of Zoology, S.V.University, Tirupati.
7. **Lokanatha Valluru (2017)**. Participated in Science Academies’ lecture workshop on “New Horizons in Biology”, organized by Dept. of Zoology, S.V.University, Tirupati from 16 & 17 Feb. 2017.
8. **Lokanatha Valluru (2016)**. Participated in National XI ISBA Conference on Incubator, Accelerators, Innovations clusters” organized by Indian STEPs and Business Incubators’ Association (ISBA) held from Sept. 10-11, 2016 at Hotel Hyatt, Pune, Maharashtra.
9. **Lokanatha Valluru (2014)**. Participated in 83<sup>rd</sup> annual meeting of society of biological chemists (India). Symposium on Evolution: Molecules to Life. Held at KIIT, Bhubaneswar, Odisha, during 18-21 Dec.2014
10. **Lokanatha Valluru (2012)**. Participated in National Conference on “Biotic and Abiotic molecules – their health effects and therapeutic applications held from Feb. 24-25, at DST PURSE CENTER , S.V.University, Tirupati.
11. **Lokanatha Valluru (2012)**. Participated in International Conference on Eco-Technology and sustainability science - Biodiversity and sustainable Development held from Feb. 29<sup>th</sup> to Mar. 2<sup>nd</sup>, 2012 at S.V. Vedic University, Tirupati.
12. **Lokanatha Valluru (2012)**. Participated in International Conference on “Environmental Impact on Human Health and Therapeutic Challenges held from Dec. 20-22, at Dept. of Virology, S.V.University, Tirupati.
13. **Lokanatha Valluru (2011)**. Participated in NSS National Integration Camp on “National Level HIV/AIDS awareness mega Rally held from Nov. 30 to Dec. 06 at Chickballapur, Karnataka.

## **17. List of Published Research Papers / Book chapters / Books**

### **2020**

1. Lavanya Rayapu, Kajal Chakraborty and **Lokanatha Valluru** (2020). Marine algae as a potential source for anti-diabetic compounds – A brief review. **Current Pharmaceutical Design** **IF 2.20** Bentham Science Publishers (Accepted).
2. **Lokanatha Valluru** and Lavanya Rayapu (editors) (2020). “*Gracilaria opuntia* - Red Marine Macroalgae: Prospective Source For Anti-diabetic Compounds” **BOOK**, Harshwardhan Publication Pvt. Ltd., Maharashtra, India, pages # 1-201. **(in press)**
3. Nithyananthan S, Sushmaa Danguubiyyam, Myrthong Ibansiewdor, **Lokanatha Valluru**, Aristatile B, Alshammari Ghedeir M., Guha Shreyoshi, Ishfaq Hassan Mir, Jainasenee Behera and Thirunavukkarasu Chinnasamy (2020). Curcuma longa and Trigonella foenum graecum enriched nutrient mixture from germinated Macrotyloma uniflorum and Vigna radiate ameliorate non-alcoholic fatty liver diseases in rats. **Journal of Food Biochemistry** **1-15**, <https://doi.org/10.1111/jfbc.13159> ISSN:1745-4514 **(I.F. 1.385, Wiley publishers)**

### **2019**

4. Suresh K.A., Venkata Subbaiah K.C., Thirunavukkarasu C., Chennakesavulu S., Rachamalla A, Nagaraju C, Rajendra W. and Lokanatha Valluru (2019). Phosphorylated abacavir analogue (ABC-1) has ameliorative action against Newcastle Disease Virus induced pathogenesis in chicken. **Biotechnology and Applied Biochemistry** **977-989**. Epub. DOI 10.1002/bab.1814, ISSN:1470-8744, **I.F. 1.559**, May 2019.
5. Sriramulu Arava and **Lokanatha Valluru** (2019). Green synthesis of silver nanoparticles and antimicrobial studies in aqueous bulb extract of Eulophia graminea Lindl. **Intl. J. Pharmacy and Biological Sciences** **9 (2)**: 571-578. ISSN: 2230-7605, API 4, UGC approved, Mar. 2019, **I.F. 0.88**
6. Sriramulu Arava and **Lokanatha Valluru** (2019). Qualitative phytochemical and physicochemical analysis of aqueous bulb extracts of Eulophia graminea Lindl.-terrestrial orchid. **Intl. J. Pharmacy and Biological Sciences** **9 (2)**: 1006-1010. ISSN: 2230-7605, API 4, UGC approved, Mar. 2019, **I.F. 0.88**

### **2018**

7. Chandra S. Kuruva, Syam P. Gandavaram, Venkata S. Kadiam, **Lokanatha Valluru**, and Naga R. Chamarthi (2018). Synthesis of New Heteroaryl  $\alpha$ -Aminophosphonates and Evaluation of Their Cytotoxicity against Human Breast Cancer MCF-7 Cell Lines. **Medicinal Chemistry & Drug Discovery** **3**: 6479– 6487. **(IF 1.716) ISSN 2365-6549, API.4 , citations 01, Jun. 2018**



8. Surendra Naidu Donapaneedi, Suresh K. A, Kajal Chakraborty, **Lokanatha Valluru (2018)**. *In vitro* Antiproliferative Effect Of Marine Macroalgae On Different Human Cancer Cell Lines. **ISSN: 2348-8948**, Intl.J. OF PHARMACEUTICS & DRUG ANALYSIS 6 (2): 342-351.

#### 2017

9. Subramanyam D, **Lokanatha Valluru** and Rajendra W. (editors) (2017). "Cervical Cancer: Biomarkers in diagnosis and treatment management. **BOOK**, Harshwardhan Publication Pvt. Ltd., Maharashtra, India, pages # 1-172. **ISBN: 978-93-86778-12-3. API.6.6.**
10. Lavanya Rayapu, Fasina Makkar, Anusree Maneesh, Kajal Chakraborty and **Lokanatha Valluru** (2017). Sulphated galactopyran derived from *Gracilaria opuntia*, a marine macroalgae restores the antioxidant metabolic enzymes during STZ induced diabetic rats. **Journal of Coastal Life Medicine 5(2): 59-65. ISSN:2309-6152, API.4, citations 01, Dec. 2016, I.F. 1.053.**
11. Madhava, G., Venkata Ramana, K., Madhu, S., Subba Rao, D., Hema Kumar, K., **Lokanatha Valluru.**, Usha Rani, A. and Naga Raju, C. (2017). Aryl/ heteroaryl celecoxib derivatives as COX-2 inhibitors: Synthesis, anti-inflammatory activity and molecular docking studies. **Medicinal Chemistry. 13: 484-497 (IF 2.53), ISSN: 1573-4064, API.9, Feb.2017.**

#### 2016

12. Subramanyam Dasari, Suresh Karanam Anandan, Wudayagiri Rajendra, **Lokanatha Valluru** (2016). Role of microbial flora in female genital tract: A comprehensive review. **Asian Pac J Trop Dis. 6 (11): 909-917. (IF.1.772). ISSN: 2222-1808 API.4. Nov.2016**
13. K.A. Suresh, Venkata Subbaiah K.C., Lavanya R, Chandrasekhar K., Naga Raju C., Suresh M. Kumar, Rajendra W. and **Lokanatha Valluru** (2016). Design, Synthesis and biological evaluation of novel phosphorylated Abcavir derivatives. **Applied Biochem. Biotechnol. 180 (2): 361-381. (IF.2.140). ISSN: 0273-2289 API.4. Sept.16, citations 01.**
14. K.A. Suresh, Venkata Subbaiah K.C., Thaslim S. K. Basha, Naga Raju C., Suresh M. Kumar, Rajendra W. and **Lokanatha Valluru** (2016). Synthesis and antiviral activity of novel phosphorylated derivatives of didanosine against Newcastle Disease Virus in Chicken. **Arch. Pharm. Chem. Life Sci. 349, 442–455 (IF. 2.145). API : 4 Apr.16, citations 01.**
15. Ramamurthy C.H., Subastri, A., Suyavaran, A, Subbaiah, K.C.V., **Lokanatha Valluru** and Thirunavukkarasu, C. (2016). *Solanum torvum* Swartz. Fruit attenuates cadmium-induced liver and kidney damage through modulation of oxidative stress and glycosylation. **Environ Sci. Pollut. Res. 23: 7919-7929 (IF. 2.91). API : 9. Jan.16.**

#### 2015

16. Subbaiah, K.C.V., **Lokanatha Valluru\***, Rajendra, W., Ramamurthy, C., Thirunavukkarasu, C., and Subramanyam, R. (2015). Newcastle disease virus (NDV) Induces protein oxidation and nitration in brain and liver of chicken: Ameliorative effect of vitamin E. **Intl. J. of Biochem. and Cell Biol. 64: 97–106. (IF. 4.596), Citation: 13, ISSN: 1357-2725, API : 15. (\*corresponding author),**
17. Subramanyam, D., Rajendra, W. and **Lokanatha Valluru.** (2015). Cervicalcancer: Biomarkers for diagnosisandtreatment. **Clinica Chimica Acta 445:7-11. (Invited critical review) (I.F. 2.764), ISSN: 0009-8981, API : 9, citations 36.**

18. Subramanyam D and **Lokanatha Valluru** (2015). Biomarkers for detection and treatment management in gynecological cancers. **New Horizons in Biotechnology (Invited critical review)** 127-132.
19. Bhuvaneshwar, C., Ramesh Babu, P., **Lokanatha, V.** and Rajendra, W. (2015). HPLC analysis and antiviral activity of phenolics from *Sophora interrupta bedd* against Newcastle disease virus (NDV). **Intl. J. of Universal Pharmacy and Bio Sciences** 4(4): 55-63. **ISSN: 2319-8141 API : 4.**

#### 2014

20. Subramanyam, D., Rajendra, W. and **Lokanatha, V.** (2014). Epidemiological survey of risk factors and prevalence of cervical cancer in Andhra Pradesh, India. **Current Trends in Biotechnology and Pharmacy.** 8 (4): 387-395. **ISSN:0973-8916 API : 6**
21. Subramanyam, D., Rajendra, W. and **Lokanatha, V.** (2014). Evaluation of soluble CD44 protein marker to distinguish the benign and squamous cell carcinoma cases in cervical cancer patients. **Medical Oncology** 31: 139-145. **(I.F. 2.14), ISSN:1357-0560 API : 9, citations 08.**
22. Subramanyam, D., Venkata Subbaiah, K.C., Rajendra, W. and **Lokanatha, V.** (2014) "Biosurfactant mediated Biodegradation of Poly Aromatic Hydrocarbons (PAHs) – Naphthalene" **Bioremediation Journal** 18: 258-265. **(IF 1.098), ISSN: 1088-9868, API : 3, citations 05.**
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