

## CURRICULUM VITAE

**Name (in Block Letters)** : Dr. L. YAMINI  
**Date of Birth** : 20-05-1982  
**Gender** : Female  
**Marital Status** : Married  
**Nationality** : Indian  
**Category (tick the category)** : OC  
**Place of work** : University College for Women; Koti  
**Department & College** : Dept. of Chemistry; UCW  
**Date of appointment** : 1/07/2005 (25/07/2005)  
**Current Designation** : Assistant Professor (c)

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### Academic Qualifications

Examination	Subject	Name of the Board / University	Year of Passing	Percentage of marks obtained	Division / Class / Grade
High School / Matric	Science Social Biology	SSC	1997	70%	I

	Maths				
Intermediate	Biology Physics Chemistry	BIE	1999	60%	I
Under Graduation	Microbiology Chemistry Computer Application	Kakatiya University	2002	71.7%	I
Post-Graduation	Inorganic chemistry	Osmania University	2005	67.7%	I
Other examination (if any)	PGDCAQM	Centre for distance education UoH	2012		I

### Research Degree (s)

Degrees	Title	Date and year of award	University
M.Phil.	-----	-----	-----
Ph.D	Computer Aided Drug Design and Synthesis of DHFR Inhibitors	5 <sup>th</sup> July 2013	Osmania University
Post Doctoral	-----	-----	-----
D.Sc. / D.Litt.	-----	-----	-----

### Appointments held prior to joining the Osmania University service

Designation	Name of the Employer	Date of	
		Joining	Leaving

### Teaching experience

P.G. level : 12 years  
U.G. level : 16 Years

### Research Experience excluding years

Spent in pursuing M.Phil. / Ph. D : 8 Years

**Fields of Specialization under the Subject / Discipline: Chemistry/ Inorganic Chemistry**

**Orientation / Refresher Courses attended at Academic Staff Colleges:**

<b>Name of the Course / Summer School</b>	<b>Academic Staff College / University/Others</b>	<b>Duration</b>	<b>Sponsoring Agency</b>
<b>ARPIT-2020</b>	SWAYAM (Online)	1 <sup>st</sup> Dec'2020-31 <sup>st</sup> Mar 2021	-----

**Student related co-curricular extension and field based activities:**

<b>Academic Year (June 1<sup>st</sup> of every year -31<sup>st</sup> May of every year)</b>	<b>Discipline related co-curricular activities (e.g. remedial classes, career counseling, study visit, student seminars and other events)</b>	<b>Other co-curricular activities (cultural, sports, NSS, NCC, etc.)</b>	<b>Extension and dissemination activities (public / popular lectures / talks / seminars, etc.)</b>

**Administrative Responsibilities held in the Department & Institution**

<b>Academic Year</b>	<b>Administrative Position Held</b>

**Paper Presentations in seminars, conferences**

<b>Academic Year</b>	<b>Title of the Paper presented</b>	<b>Name of the Event</b>	<b>Place</b>

2006	Novel High Affinity Human Dihydrofolate Reductase Inhibitors”	<i>International Conference on Heterocyclic Chemistry</i>	<b>University of Rajasthan, Jaipur. 16-19<sup>th</sup> December 2006</b>
2007	Docking and QSAR studies of New computationally Designed Thimidylate synthase Inhibitors.”	<i>Indo-German conference on Modeling Chemical and Biological (Re) activity.</i>	<b>26-29<sup>th</sup>, September 2007.IICT, Hyderabad.</b>
2009	“A Combination of Homology Modeling, Docking and 3D-QSAR Studies of Quinazolinone Analogues on Mammalian (Bovine) DHFR.”	<i>Fourth Indo – US Lecture series on Discrete Mathematical Chemistry.</i>	<b>4<sup>th</sup> – 8<sup>th</sup> February 2009, Nizam College, Hyderabad.</b>
2009	Molecular Modeling of Rat liver DHFR, Active site Similarity with Mouse DHFR and Receptor based 3D –QSAR Study on Structurally Diverse Antifolates	<i>International Conference on Open Source Computer Aided Drug Design (OSCADD) .</i>	<b>22<sup>nd</sup> – 26<sup>th</sup> March, 2009, Institute of Microbial Technology, Chandigarh</b>
<b>2010</b>	New Strategic Approach for Bifunctional Protein Modeling and Docking studies on Pyrimidine based Derivatives as Antifolates on <i>Toxoplasma gondii</i> (Tg)”	<i>14<sup>th</sup> ISCB International Conference (ISCBC-2010)</i>	<b>15<sup>th</sup> – 18<sup>th</sup> January 2010 Central Drug Research Institute, Lucknow.</b>
<b>2011</b>	Multiple Receptor Conformation Docking and Dock pose Clustering as a New Method for 3D QSAR Technique in Designing of Human DHFR Inhibitors	<i>MedChem Congress 2011,</i>	<b>25-26<sup>th</sup> February, 2011, Royal Society of Chemistry, IICT and NIPER, Hyderabad</b>
<b>2011</b>	Free energy binding calculations from MM/GBSA approach and it’s Application in finding the mode of binding for JAK3 inhibitors”	<i>International conference on Applied Theory On Molecular Systems (ATOMS)</i>	<b>2 – 5<sup>th</sup> November, 2011, IICT, Hyderabad.</b>
<b>2006</b>	Novel High Affinity Human Dihydrofolate Reductase Inhibitors (DHFR): A Docking Study Using Glide”. (Poster presentation)	<i>National conference on Current research trends and Developments in Heterocyclic chemistry,</i>	<b>P. G. College of Science, Saifabad, Hyderabad. 17-18<sup>th</sup> March 2006.</b>
	Inhibitors of Dihydrofolate Reductase ( <i>Pneumocystis Carnii</i> ): A computational design.	<i>National Symposium on Chemistry and Technology A Synergetic Approach.</i>	<b>30<sup>th</sup> September – 2<sup>nd</sup> October 2007, Nizam college, Hyderabad</b>

<b>2017</b>	Preparation of substituted coumarins by ZNO nano catalyst”	Current promising advances in Nano chemistry and technology (CPANCT -2019)	<b>27<sup>th</sup> – 28<sup>th</sup> February 2019;</b> <b>Anwarul Uloom college,</b> <b>Hyderabad</b>
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### Short term training courses, talks, Guest lectures

<b>Academic Year</b>	<b>Title</b>	<b>Place and date</b>
2020	<b>Three day Online Short Term Course on Sustainable Development Goals</b>	Hyderabad from <b>04-06 June, 2020.</b>
2020	<b>Tools for Online Teaching, Learning, and Evaluation”</b>	<b>Hyderabad on 20<sup>th</sup> – 24<sup>th</sup> July 2020</b>
2021	<b>“EFFECTIVE TEACHING AND LEARNING OF MODERN DRUG DISCOVERY APPROACHES”</b>	Hyd; <b>4<sup>th</sup> – 9<sup>th</sup> March, 2021</b>
2021	<b>Soft Skills for Effective Teaching</b>	<b>31<sup>st</sup> May to 5<sup>th</sup> June, 2021</b>

### Research papers (in UGC recognized and Peer reviewed Journals)

<b>Year</b>	<b>Title of the Paper</b>	<b>Journal Name</b>	<b>ISSN No.</b>
<b>2017</b>	Synthesis of pyrazole-4-carbaldehyde derivatives for their antifungal activity	<i>Med Chem Res</i> ; August 2017, 26 (8), 1664–1674.	1054-2523
<b>2015</b>	Pharmacophore modelling and docking studies of pyrrolidinyl pyridone and pyrazinone analogues as prolyl oligopeptidase (POP) inhibitors	<i>J of Chem. and Pharm. Res.</i> , 2015, 7(10):100-107.	<b>0975-7384</b>
<b>2014</b>	Induced Fit Docking, Pharmacophore Modeling and Molecular Dynamic Simulations on Thiazolidinedione derivatives to explore key interactions with Tyr48 in Polyol pathway	<i>J. Mol. Model.</i> , 2014 Jul; 20(7):2348-58	<b>1610-2940</b>
<b>2014</b>	Synthesis, docking and evaluation of antioxidant and antimicrobial activities of novel 1,2,4-triazolo[3,4- <i>b</i> ][1,3,4]thiadiazol-6-yl)selenopheno[2,3- <i>d</i> ]pyrimidines	<i>European Journal of Medicinal Chemistry.</i> , 75(21), March 2014, 195-202.	<b>0223-5234</b>
<b>2012</b>	Combining Docking and 3D QSAR Protocols in Identification and Design of New Cycloguanil	<i>J. Pharm. Res.</i> , 2012, 5 (6), 3285-3289	<b>0974-6943</b>

	Derivatives as Plasmodium falciparum DHFR Inhibitors		
<b>2012</b>	Quantitative Structure Activity Relationship of Pyrrolo Pyrimidine and Thieno Pyrimidine Compounds as Human Thymidylate Synthase Inhibitors using CoMFA and CoMSIA.	<i>Journal of Chemistry</i> , 2012, 9(4), 1699-1710.	<b>2090-9063</b>
<b>2011</b>	Docking and 3D QSAR studies on p38 $\alpha$ MAP Kinase inhibitors	<i>Journal of Chemistry</i> , 2011, 8(4), 1596- 1605	<b>2090-9063</b>
<b>2011</b>	Molecular docking, 3D QSAR and Designing of new Quinazolinone analogues as DHFR Inhibitors	<i>Bull. Of Kore. Chem. Soci.</i> , 2011, Vol. 32(7) 2433 - 2344	<b>1229-5949</b>
<b>2008</b>	Inhibitors of Human Dihydrofolate Reductase Inhibitors (DHFR): A Computational design and Docking Studies Using Glide	<i>Journal of chemistry</i> , vol 5 (2), 2008, 263 -270	<b>2090-9063</b>
<b>2007</b>	Novel High Affinity Human Dihydrofolate Reductase Inhibitors (DHFR): A Computational design and Docking Studies Using Glide	<i>J.T.R. Chem.</i> , 2007, 14(1), 30 – 37	<b>0971-6408</b>

#### Publications of articles in books, chapters in books

Year	Title of the Article/ Chapter	Title of the Book (editor name)	Publisher/Place	ISBN No.

#### Publications of Books

Year	Title of the Book	Publisher	Place	ISBN No.

#### Research Projects

Year	Title of the Project	Sponsoring Agency	Amount Sanctioned	Year of Completion

### Research Guidance- No of Students

Year	No. of Students	Status of Research

### Fellowships/Awards

Year	Fellowships/Awards from academic bodies / academic associations
2011	Young Scientist award by Dr. K.V. Rao Scientific Society (KVRSS), Hyderabad.

### 27. Development of e-learning modules / material developed

Year	E-learning modules / material developed

### 28. Any other Information

Date: 7<sup>th</sup> February 2022  
Place: Hyderabad

(Dr. L. Yamini)

Signature