

CURRICULUM VITAE

S.ILAIAH

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Career Objective:

- Seeking a challenging position in an organization, that offers professional growth and provides a platform for exposing my skills and abilities.

Professional Summary:

- **Job Experience: (5 Years 9 months of Teaching + 2Years 6 months of Research Experience)**
- Working as Assistant Professor (c) in University College of Technology, Osmania University from 01-08-2013.
- One and half year experience as Project Assistant at IICT.
- Exposure towards the Research and Development, Gasification, Pharmaceuticals, Petrochemical, and Polymer Industries.
- Knowledge in Plant Design, Heat and Mass Transfer Operations, Process Calculations, Processes Control and Instrumentation, Mathematical Modeling ,Reaction Engineering, Thermodynamics and Fluid Mechanics.

Academic Profile:

Qualification	Institution	University / Board	Year of Passing	Aggregate
Ph.D (Chemical)	University College of Technology, OU, Hyderabad	Osmania University Hyderabad, AP	Pursuing	—
M.Tech(Chemical) Plant Design	University College of Technology, OU, Hyderabad	Osmania University Hyderabad, AP	2013	80.05%
B.Tech (Chemical)	University College of Technology, OU, Hyderabad.	Osmania University Hyderabad, AP	2010	80.0%
Intermediate	New Generation Jr.College, Narayanaguda, Hyderabad.	Board of Intermediate Education, AP	2006	88.3%
SSC / 10 th class	Arya High School, Chaderghat, Hyderabad.	Board of Secondary Education, AP	2004	90.14%

Computer Skills:

- **Process Simulators** : ASPEN PLUS, CHEM CAD, PRO-II, MAT-LAB, FLUENT, COMSOL, Statistica
- **Languages** : C, C++
- **General** : Ms-office, Windows.

Projects:

S.No.	Organization	Title of the Project	During
1	IICT, Hyderabad	Value addition of Karanja cake using Entrained Fluidized Bed Gasification to syn gas and Process development of Alkylation and Oxidation to produce P-TBBA	Research Assistant Jan-2012 to June- 2013
2	IICT and UCT-OU Hyderabad	Liquid-liquid Extraction studies in micro and macro systems	M.Tech (2 Year) Nov-2011 to Nov-2012
3	UCT-OU Hyderabad	Process Simulation of Distillation Column using ASPEN PLUS	B.Tech (4 Year)
4	Nuclear Fuel Complex, Hyderabad	Study on Cooling Tower Efficiency and Performance calculations and Maintaining water quality by chemical analysis.	B.Tech (3 Year) Apr-2009 to July-2009.

Publications:

International

1. Published a paper title “Process Simulation of a Entrained Fluidized Bed Biomass Gasification Using Aspen Plus”, International journal of Advance Research in Science & Engineering (ISSN 2319-8354), Volume 05, Issue No.04, 2016.
2. Published a **book chapter** on “Study of Flow behavior in micro channels” in Chemical and Bioprocess Engineering, Trends and Developments, Apple and Academic Press, ISBN: 9781771880770.
3. Sankarshana Talapuru, Ilaiah .S, Usha Rao.H, “Liquid –Liquid Extraction : Comparison in Micro and Macro systems” **AIChE** Annual Meeting 2013, 32798.

Published Papers in International Conference Proceedings:

S.No.	Institute	Conference Name	Title of the presentation	During
1	Vedant College of Engineering and Technology, Rajasthan Technical University, Kota, Rajasthan	3 rd International Conference on Recent Trends in Engineering Science and Management (978-81-932074-4-4)	<i>Process Simulation of a Entrained Fluidized Bed Biomass Gasification Using Aspen Plus</i>	2016
2	NIT, Warangal	International Conference on Energy and Environment	Three phase partitioning of Vegetable Oil	15-16 March,2014
3	Nizam College, OU, Hyderabad.	International Conference on Nano, Bio & Material Sciences (ICONBMS-2014)	Performance of Packed Liquid-liquid Extraction Column: Experimental and Simulations using Aspen Plus	8-10 January,2014
4	Nizam College, OU,Hyderabad	International Conference on Nano,Bio & Material Sciences (ICONBMS-2014)	Performance analysis of a Entrained Fluidized bed Karanja cake Gasification using Aspen Plus	8-10 January,2014
5	Hilton San Fransico Union square, San Fransico, CA	AIChE Annual Meeting 2013,329008	Liquid –Liquid Extraction : Comparision in Micro and Macro systems	Nov,3-8, 2013
6	NIT, Warangal	ICCBPE-IN,2013 proceedings, ISBN 978-81-928314-0-4	Study of Flow behavior in micro channels.	Nov,16-17, 2013

National Conferences proceedings :

S.No.	Institute	Conference Name	Title of the presentation	During
1	Chaitanya Bharathi Institute of Technology	A two day National Conference on Advanced Research and Technology in Chemical Engineering and its allied fields	Fuzzy Logic Controller for Non linear Conical Tank Liquid Level System	22-23 March ,2019
3	IIT Guwhati, Assam	CHEMCON-2014	Equilibrium and kinetic studies of Reactive Extraction of Propionic acid	27-30 Dec,2015
4	IIT Guwhati, Assam	CHEMCON-2014	Experimental studies on Reactive Distillation of Propionic acid n-butanol as entrainer	27-30 Dec,2015
5	PunjabUniversity, Chandigarh	CHEMCON-2014	Delegate	27-30 Dec,2014

6	ICT-Mumbai	CHEMCON-2013	Mass Transfer Studies in Packed Liquid-liquid Extraction Column: Experimental and Simulations using Aspen Plus	27-30 Dec,2013
7	ICT-Mumbai	CHEMCON-2013	Entrained Fluidized Bed Karanja cake Gasification using Aspen plus	27-30 Dec,2013
8	ICT-Mumbai	CHEMCON-2013	Oxidation of P-Tertiary Butyl Toluene to P- Tertiary Butyl Benzoic acid	27-30 Dec,2013
9	NIT-Jalandhar, Punjab	CHEMCON-2012	Kinetics of condensation reaction of glycerol with acetone	27-30 Dec,2012
10	PunjabUniversity, Chandigarh	CHEMCON-2008	Nano Technology in Chemical Industry	27-30 Dec,2008
11	NIT - Jalandhar, Punjab	S-CHEMCON-2008	Multi Functional Reactors	26-27 Sept,2008
12	NIT - Jalandhar, Punjab	S-CHEMCON-2008	Solar Energy Storage using Phase change materials	26-27 Sept,2008

Conferences/Seminars/Lectures/workshops organized :

S.No.	Details of Conference/Seminar/Lectures/Workshops	Responsibility	Place	During
1	One Day Seminar on “Innovations In Chemical Sector”	Joint Secretary	IICHE-HRC&NFC Hyderabad	10th May 2019
2.	Seminar on “Role of Chemical Engineering in Nation Building”	Joint Secretary	IICHE-HRC&NFC Hyderabad	21 st February, 2019
	Chemical Engineering & Technology (One Day Seminar) on Chemical Engineering and Technology : Advancements and Associated Safety Aspects	Joint Secretary	IICHE-HRC&NFC Hyderabad	24-Jan,2018
3	Invited lecture titled “Mixed Oxides and Nanocomposites as Recyclable Catalysts for Synthesis and Water Treatment” by Dr. Sreekantha B. Jonnalagadda Senior Professor of Chemistry,	Joint Secretary	IICHE-HRC&ARCI Balapur, Hyderabad	18th January 2019

	University of KwaZulu – Natal, South Africa			
4	<p>Invited Lecture by Prof. D.P. Rao , former Head, Chemical Engineering Department, IIT Delhi</p> <p>On “Gas liquid reactions – a new approach for regime identification and development of criteria”</p>	Joint Secretary&UCT -Student Chapter Coordinator	OUCT ,Hyderabad	8 th October 2018
5	Student Chapters Final Competitions & A Demo program on “Enterpreneurs Fellowship” by Dr. M Rajagopala Rao , Former Executive Director, ONGC	Joint Secretary&UCT -Student Chapter Coordinator	OUCT ,Hyderabad	3 rd March 2018
6	IICChE Council meeting followed by an industry – institute interaction programme	Joint Secretary&UCT -Student Chapter Coordinator	OUCT ,Hyderabad	1 st May 2018
7	11 th M.P. Chary Memorial Lecture instituted in the memory of Mr. M.P. Chary, who excelled as an entrepreneur. Lecture was delivered by Mr. Ajit Rangnekar, Director General, Research and Innovation Circle of Hyderabad (RICH) and former Dean of Indian School of Business (ISB).	Joint Secretary	Hotel Blue Orchid,Habsi guda ,Hyderabad	
8	A lecture on “critical chain project management and critical chain multi project management” by Dr A K Rao , Former Director, Executive Education, Indian School of Business (ISB) Hyderabad	Joint Secretary	IICHE-HRC &Nuclear Fuel Complex (NFC), Hyderabad	23 rd April 2018
	“Needs and Challenges in Solid Fuel Utilization for Sustainable Future” by Dr. Pisupati V. Sarma, Professor and Chair of Energy	Joint Secretary	IICHE - HRC in association with Anurag Group of	15 th December 2017

	Engineering Program, The Pennsylvania State University, USA		Institutions (AGI)	
9	One-day "Seminar on Chemical Engineering and Technology (S - CHET): Advancements and Associated Safety Aspects"	Joint Secretary	Nuclear Fuel Complex (NFC) Hyderabad.	24 rd January 2018
10	IICHE-HRC&NFC	Chemical Engineering & Technology (One Day Seminar)		24-Jan,2018
11	Institute of Engineers (India)	All India Seminar on Safety Management and Energy Conservation in Process Industries	Safety Management and Energy Conservation	6-7 Oct,2017

Conferences/seminars/Workshops attended:

S.No.	Institute	Workshop Name	During
1	University College of Technology,Osmania University, Hyderabad	Annual national level techno-cultural fest, Technosmania 2k18 , a 3-day symposium	22 nd , 23 rd & 24 th March 2019
2	Anurag Group of Institutions,Ghatkesar	One week faculty development program on design and analysis of experiments and optimization techniques	13-17,November,2018
3	University College of Technology,Osmania University, Hyderabad	Annual national level techno-cultural fest, Technosmania 2k18 , a 3-day symposium	22 nd , 23 rd & 24 th March 2018
4	University College of Technology,Osmania University, Hyderabad	Short term GIAN Course on Chemical Vapour Deposition	14-20,September,2018
5	University College of Technology,Osmania University, Hyderabad	Short term GIAN Course on Particle Engineering in the pharmaceutical industry :Crystallization and Colloidal Engineering	5-9,March 2018
6	University College of Technology,Osmania University, Hyderabad	A Five Day Faculty Development Programme on Academic English, Integral Personality Development & Research Methodology	8-12 Feb,2018

7	The Institution of Engineers(India) Telangana State Centre &CBIT	All India Seminar on Safety Management and Energy Conservation in Process Industries	6-7,October,2017
8	University College of Technology,Osmania University, Hyderabad	Waste Water Management,	21 st March,2017
9	University College of Technology,Osmania University, Hyderabad	Recent Trends in Process Intensification Methods	29th Sept,2014
10	NIT,Warangal	Trends in Process Control	3-4 July,2014
11	University College of Technology,Osmania University, Hyderabad	Computer solution tools in Engineering Education and Academic Research	27thJune,2014
12	University College of Technology,Osmania University, Hyderabad	National level Three Day Work shop on Computer Solution of Process Model Equations	11-13, Oct,2012

COURSES TAUGHT

Theory

UG Level

Chemical Engineering

1. Process Dynamics and Control
2. Material Science and Instruments
3. Material & Energy Balances
4. Chemical Engineering Thermodynamics
5. Mass Transfer Operations

PG Level

Chemical Engineering

1. Statistical Analysis and Design of Experiments
2. Strategy and Conceptual Design of Chemical Process
3. Process Design and Synthesis

Practicals: UG and PG level

1. Process Dynamics and Control
2. Mass Transfer Operations
3. Process Modeling and Simulation
4. Advanced Separation processes lab
5. Chemical Engineering labs

MEMBER SHIPS

College Level:

1. Member in Students Activities: Sports
2. Member in Attendance, Sessionals and Time Tables Committee.
3. Hand Book coordinator
4. IICHE- UCT Student chapter coordinator
5. UCT Cultural Activities Team convenor

National:

1. Member, Indian Institute of Chemical Engineers. (LAM-54313).
2. IICHE-HRC Hon. Joint Secretary

International:

1. Member, Asia-Pacific Chemical, Biological & Environmental Engineering Society (201720).
2. Member, International Association of Engineers (163132).

Achievements & Extra Curricular Activities

1. Received an award from late Honourable Chief Minister of Andhra Pradesh, **Dr.Y.S.RAJASHEKHAR REDDY** for the Elocution Competition held at Jawahar Bal Bhavan, Nampally on the occasion of the Police Commemoration Day, 21st October 2005.
2. Won the “**BEST STUDENT AWARD**” for the year 2004- 06 from New Generation Junior college for the outstanding performance.
3. Won the “**BEST STUDENT AWARD**” for the year 2003- 04 from Arya High School, Chaderghat, Hyderabad, for getting Charminar Mandal first in S.S.C.
4. Received prizes for the Elocution Competition organised by **Government of Andhra Pradesh, Education Department and Forest Department** under Janmaboomi Program and Vanya Prani Saptah Celebrations.

5. Worked as PG Plant Design NBA Program Convener for Plant Design and Successfully Accredited by NBA.
6. Acted as TS-EAMCET 2017 Observer in Govt.Junior College for Secundrabad.
7. Participated in Today National Level Seminar on Role of Sri Aurobindo Today in integral personality,UCT, OU Dec,2016.
8. Participated in One Day National Seminar on Festival of Languages UCT,OU 20th,Feb 2017.
9. Presented telugu poems in many Kavi Sammelanams.

Strengths:

- Self confidence and will to learn
- Positive attitude and enthusiasm in team work
- Hard work

Personal Profile:

Name : S. Ilaiiah
Father's Name : S. Pichaiah
Nationality : Indian
Date of Birth : 8th June 1988
Gender : Male
Marital Status : Married
Languages Known : Telugu, Hindi and English
Hobbies : Yoga Sadhana and poetry writing in telugu.

Declaration:

I here by declare that all the information furnished above is true and correct to the best of my knowledge and belief.

Place: Hyderabad

Date:

(SADAM ILAIAH)