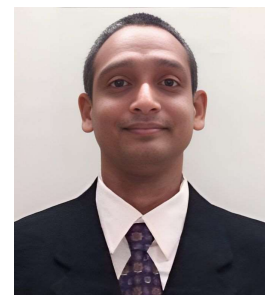


## Resume of Dr. S.V.A.R.Sastry



- 1. Name (full):** Dr. Susarla Venkata Ananta Rama Sastry
- 2. Designation:** Associate Dean (Research & Development);  
Associate Dean (International Student Affairs);  
Dy. Controller of Examinations;  
University Counsellor;  
& Associate Professor of Chemical Engg., HBTU Kanpur

### 3. Academic Record from Undergraduate Degree

Degree	Specialization	University/Institute	Duration	Rank
B.Tech	Chemical Engineering	REC Jalandhar (now NIT Jalandhar)	1998-2002 (4 years)	1 <sup>st</sup>
M.Tech	Chemical Engineering (Process Engg. & Design)	IIT Delhi	2003-2005 (2 years)	2 <sup>nd</sup>
PhD	Chemical Engineering	JNTUK Kakinada	Aug.2012- July 2015 (3 years)	Best PhD Thesis Gold Medal

### 4. Experience

- (a) Industrial Experience: 1 year  
(b) Teaching Experience: 19 years  
(b) Courses Taught (PG & UG): 32

### 5. Patents (13)

S. No	Patent (Title of Invention)	Application Number	Publication Date	Country
1	Non aqueous nano cooling oil suitable for high temperature of engines in vehicles	2021410319 83	13/08/2021	India
2	Nano biocompatible hydrogels for treating external injuries	2021410359 49	13/08/2021	India
3	An Adjustable Rear Carrying Rack for Electric Vehicle	349269-001	09/09/2021	India
4	Solar Powered Cleaning Device	351491-001	19/10/2021	India
5	Solar Powered Smart Waste Management Dustbin	355434-001	23/12/2021	India

6	A Composite Smart Clean Energy Device based on Wind and Solar Energy and Method thereof	2022410043 66	25/02/2022	India
7	Compact Steam Distillation Assembly for Laboratory Use	377751-001	20/01/2023	India
8	A CNT-EG Based Nano-Composition for Heat Convection in High Energy Heat Dissipating Devices	2023110043 28	27/01/2023	India (South Africa – Granted)
9	A solar-powered exhaust cooling fan for cars	378426-001	01/02/2023	India
10	A Method of Processing an Anti-Graffiti Nano-Coating for Walls	2023110058 54	10/02/2023	India (South Africa – Granted)
11	A Nanoparticle-based Coating for Corrosion Resistance in Industrial Applications	2023110329 05	23/06/2023	India (South Africa – Granted)
12	Smart Air Purification Device for Houses	396971-001	08/03/2024	India
13	Carbon Capturing Device	396970 -001	17/05/2024	India

## 6. Consultancy Experience

S.No	Period	Organization	Nature of Projects	Facilitator
1	April 2016	Convetit, USA	Concept Design of “ <b>High Speed Industrial Vaporizer</b> ”	James Dehn
2	November 2016	Convetit, USA	Concept Design of “ <b>Mixing Device for Chemical Absorption Process</b> ”	James Dehn
3	November 2017 To July 2018	Convetit, USA	Advisory Board on “ <b>Exploring Disruptions, Formulations, and Technologies in Lubricant Industry</b> ”	Adam Malofsky
4	June 2018	Convetit, USA	Advisory Board on “ <b>Exploring Methods of delivering Surfactants in Laminar flows of water for Assisted Showers</b> ”	Jay Dwivedi
5	January 2020 to January 2021	Currnt, USA	Knowledge Stream on “ <b>Sensing Trends &amp; Disruptions Impacting the ENERGY Workforce</b> ”	Tom O' Malley
6	March 2021	BCC Global, China	<b>Cyclone Separator Technology (MDF)</b>	Anna Zieba

A revenue of **4500 US \$ (~ Rs. 3,50,000 /-)** was generated from these Projects.

**7. Current Areas of Research Specialization:** Biofuels, Mass Transfer, Nanotechnology, Solar Energy, Environment, Process Engineering & Design

## 8. Publications

(a) Papers in International Journals: 70

Web of Science (ESCI/SCI/SCIE)-indexed: 16

Scopus-indexed: 24

UGC CARE-indexed: 18

Other-indexed: 12

(b) Papers in International Conferences: 46

(c) International Books authored (with ISBN): 12

(d) Book Chapters (with ISBN): 12

## 9. Workshops/FDPs/Conferences attended: 140

## 10. Awards, Honors and Recognitions

### Awards

S. No.	Name of the body	Award	Year of Award	Type (National / International)
1	NOVOD Board, Gurgaon	Selected as member of the core group of 20 scientists on tree borne oilseeds for promotion, utilization and socioeconomic linkages in Southern India for Biofuels	2012	National
2	JNTU Kakinada, India	University Best Teacher Award	2013	National
3	Marquis Who's Who Publications, US	Biography published in Marquis Who's Who Publications in America-2013, 31 <sup>st</sup> edition	2013	International
4	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "100 Best Educators of 2014 in the world"	2014	International
5	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "2000 Outstanding Intellectuals of the 21st Century" (published in IBC-International edition in August 2014)	2014	International
6	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "Leading Professionals of the world-2014" (published as <i>online</i> directory)	2014	International
7	Marquis Who's Who Publications, US	Biography published in Marquis Who's Who Publications in America-2014, 32 <sup>nd</sup> edition	2014	International
8	International Biographical Centre (IBC), Cambridge, England	International Biographical Centre Man of the Year 2015	2015	International
9	International Biographical Centre (IBC),	Cambridge Certificate for Outstanding Professional Achievement	2015	International

	Cambridge, England			
10	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "2000 Outstanding Intellectuals of the 21st Century, 9 <sup>th</sup> Ed." (published in IBC-International edition in Nov. 2015)	2015	International
11	Marquis Who's Who Publications, US	Biography published in Marquis Who's Who Publications in America-2015, 33 <sup>rd</sup> edition	2015	International
12	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "2000 Outstanding Intellectuals of the 21st Century, 10 <sup>th</sup> Ed." (published in IBC-International edition in Nov. 2017)	2017	International
13	International Biographical Centre (IBC), Cambridge, England	Selected in the prestigious "Dictionary of International Biography- 39 <sup>th</sup> Edition"	2018	International
14	NIEPA-MHRD, New Delhi	Selected as an Expert Member for GIAN Scheme Evaluation	2019	National
15	Eisai Phama, Visakhapatnam	Certificate of Appreciation for conducting Training program on "Basic Principles of Unit Operations in API Manufacturing" for Drug Substance Manufacturing	2019	National
16	NPTEL-IIT Madras	Awarded "Top Performing Mentor" Certificate for Chemical Process Safety	2019	National
17	Omni Scriptum Publishing, Latvia	Work on "Industrial scale production of Oleo-chemicals from Coconut Oil", 978-613-6-61845-6 translated in 8 International languages (English, French, German, Italian, Spanish, Dutch, Polish, Portuguese, Russian)	2019	International
18	Marquis Who's Who Publications, US	Biography published in Marquis Who's Who in the World – 2019	2019	International
19	NPTEL-IIT Madras	Reviewer of the NPTEL Course on "Ecology and Environment" by IIT Madras	2019	National
20	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Selected as 'Mentor of Change' by AIM, NITI Aayog-GOI	2020	National
21	Adobe, US	Certified Creative Educator	2020	International
22	IUCEE, US	Certificate of Completion with Distinction for "Online Teaching"	2020	International
23	NPTEL-IIT Madras	Awarded Mentor Certificate for "Technologies for Clean and Renewable Energy Production"	2020	National
24	VDGOOD	"Best Researcher Award" in	2021	International

	Professional Association	International Scientist Awards on Engineering, Science and Medicine		
25	STM Journals	Certificate of Excellence in Reviewing	2021	International
26	Journal of Agriculture and Ecology Research International	Certificate of Excellence in Reviewing	2021	International
27	AICTE, New Delhi	Expert Member for AICTE Student Learning Assessment Project	2021	National
28	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Selected as 'Regional Mentor of Change for Andhra Pradesh' by AIM, NITI Aayog-GOI	2021	National
29	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Top Mentor of Change - Gems of Mentor India by Mr. Amitabh Kant, CEO, NITI Aayog-GOI	2021	National
30	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Top Performing & Most Popular Mentor - ATL Tinkerpreneur	2021	National
31	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Selected as Expert member of "Vernacular Task Force" by AIM, NITI Aayog-GOI	2022	National
32	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Bronze level Mentor by AIM, NITI Aayog-GOI	2022	National
33	AICTE, New Delhi	Evaluator/Validator for "SWAYAM online translated content"	2022-2023	National
34	ISRHE & Delhi Vidhan Sabha	Pillars of the Nation Award - 2023 for "Excellence and Innovation in the Education Sector"	2023	National
35	HBTU Kanpur	Research Excellence Award	2023	National
36	Business Talkz	Listed in Leading Professors & Academicians 2023	2023	International
37	Times Higher Education (THE), London	Expert for "THE's 2024 Global Academic Reputation Survey"	2023	International
38	IIT Delhi & IIT Delhi Alumni Association	Award for "Significant Contributions in Education and Research"	2023	National
39	AICTE, New Delhi	Expert Member in the Committee for examining "UG Diploma and PG Degree Courses"	2023	National
40	Indian Institute of Chemical Engineers, Kolkata	Chinnamul Memorial Prize	2023	National

41	Indian Institute of Chemical Engineers, Kolkata	Best Paper Award	2023	National
42	Institution of Engineers (India)	Fellow	2024	National
43	Atal Innovation Mission, NITI Aayog, GOI, New Delhi	Selected as 'Regional Mentor of Change for Uttar Pradesh' by AIM, NITI Aayog-GOI	2024	National
44	Business Talkz	Selected for 'Excellence in Chemical Engineering Education and Research'	2024	International
45	29 <sup>th</sup> World Education Summit, New Delhi	Award for "Outstanding Leadership in Research and Innovation"	2024	International

### Honors and Recognitions

- a) Recognized/selected as member of the core group of 20 scientists on tree borne oilseeds for promotion, utilization and socioeconomic linkages in Southern India for Biofuels by NOVOD Board-Gurgaon.
- b) Reviewer, chair of major international academic societies:
- ICMLC 2011 held at Singapore, February 2011
  - ICMET 2011 held at Dalian, China, August 2011
  - ICCTD 2011 held at Chengdu, China, November 2011
  - ICTIEE 2021 held at Hyderabad, India, January 2021
  - ICEESC-2021 held at Virudhunagar, India, January 2021
  - ICRCEST-2021 held at Eluru, India, April 2021
  - ICTASEMP-2021 held at Hyderabad, India, July 2021
  - ICCEASI-2021 held at Lucknow, India, September 2021
  - ICAESM-2021 held at Bangalore, India, November 2021
  - ICAST-2021 held at Bhubaneswar, India, November 2021
  - ICFEMS-2022 held at Karnataka, India, April 2022
  - CSChE-2023 held at Calgary, Canada, October, 2023
  - CHEMCON 2023 held at Kolkata, India, December, 2023
  - ICRCEST-2024 held at Bangalore, India, April, 2024
  - RTTP-2024 held at NIT Hamirpur, India, June, 2024
  - ICRESS 24 held at Kolkata, India, July, 2024
- c) Journal editor (8 International Journals):
- International Journal of Agrochemistry, 2015-present
  - International Journal of Chem-informatics Research, 2015-present
  - International Journal of Renewable Energy and its Commercialization, 2015-present
  - Austin Journal of Biotechnology & Bioengineering, 2016-present
  - Journal of Future Engineering and Technology, 2018-present
  - Journal of Polymer and Composites (WoS indexed), 2020-present
  - International Journal of Chemistry & Materials Sciences, 2023-present
  - Biomass Conversion and Biorefinery (WoS indexed, IF: 4.1), 2023-present

- d) Editorial board membership (5 International Journals):
- International Journal of Renewable & Sustainable Energy, 2011-2014
  - Journal of Ecology and Environmental Sciences, 2012-2016
  - London Journals Press, United Kingdom, 2015- present
  - Research & Reviews : Trends in Chemical Engineering, 2015-present
  - Journal on Future Engineering and Technology, 2016-present
- e) Permanent reviewer for four Elsevier Journals with high impact factors:
- Journal of Cleaner Production, Elsevier ---- *reviewed 151 papers till date*, 2011- present
  - Energy Conversion & Management, Elsevier ---- *reviewed 12 papers till date*, 2011- present
  - AIChE - *reviewed 6 papers till date*, 2014- present
  - IJCCE – *reviewed 15 papers till date*, 2020 - present
- f) Keynote/Invited Speaker:
- 1) Keynote speaker for International Conference on Chemical and Molecular Sciences (ICCHEM2016) held during Dec. 15-16, 2016 at Shanghai, China.
  - 2) Keynote speaker for International Conference on Chemistry and Biochemical Engineering (CHEMBIO2017) held during May 23-24, 2017 at Xian, China.
  - 3) Keynote speaker for World Congress on Materials Science & Nanotechnology, held during March 23-24, 2020 at Barcelona, Spain.
  - 4) Invited Speaker for International E-Conference on “Advanced Materials Science and Graphene Nanotechnology” held during November 25th-26th, 2020 at University of Manchester, UK.
  - 5) Invited Speaker for 2nd International Conference on “Green and Renewable Energy” held during October 4-6, 2021 at Vancouver, Canada.
  - 6) Invited Speaker for Online FDP on “Novel Applications of Chemical Engineering” held during July 15-19, 2021 at Vizianagaram, India.
  - 7) Invited Speaker for CSChE-2023 held at Calgary, Canada, October, 2023
  - 8) Invited Speaker for “National IP Yatra – Workshop on IPR” held during Dec. 5-6, 2023; organized by ASSOCHAM and MSME, New Delhi.
  - 9) Invited Speaker for CHEMCON-2023 held during Dec. 27<sup>th</sup> -30<sup>th</sup>, 2023 at Kolkata, India.
  - 10) Keynote Speaker for INDACON-2024 held during Feb. 24<sup>th</sup> - 25<sup>th</sup>, 2024 at Muzzafarpur, India.
  - 11) Invited Speaker for APM-2024 held during March 14<sup>th</sup> - 16<sup>th</sup>, 2024 at Ahmedabad, India.
  - 12) Invited Speaker for FDP held during May 20<sup>th</sup> - 24<sup>th</sup>, 2024 at HBTU Kanpur.
  - 13) Invited Speaker for World Environment Day, held during June 5<sup>th</sup>, 2024 at AITH Kanpur.
  - 14) Invited Speaker for World Environment Day, held during June 5<sup>th</sup>, 2024 at UIET Kanpur.
  - 15) Invited Speaker for FDP held during June 6<sup>th</sup> - 10<sup>th</sup>, 2024 at VSSD College Kanpur.
  - 16) Distinguished Keynote Speaker for International Conference held during June 24<sup>th</sup> - 26<sup>th</sup>, 2024 at NIT Hamirpur.
  - 17) Invited Speaker at World Education Summit held during July 4<sup>th</sup> - 5<sup>th</sup>, 2024 at New Delhi.
  - 18) Invited Speaker at ICRESS-24 July 24<sup>th</sup> - 25<sup>th</sup>, 2024 at Kolkata.
- g) Granted full free access to Scopus by Elsevier Co., U.S.
- h) Awarded Outstanding reviewer status by Elsevier, U.S.
- i) Certificate of Appreciation for fine review and judgment from, Global Journals Inc.(US)
- j) Research Gate (RG) Score – 17.19
- k) Vidwan Score – 9.7/10
- l) Google scholar h-index – 9

## 11. Any Other Relevant Information:

### a) Selection Committee/ Expert Member:

- NITI Aayog, GoI
- A.P. Pollution Control Board
- A.P. Public Service Commission
- U.P. Public Service Commission
- AICTE

### b) Recognized Author & Editor:

- LAP-Lambert Academic Publishers, Germany
- ACM-Association for Computing Machinery, U.S.
- Transtech Publications, Switzerland
- Nova Science Publishers, U.S
- Cambridge University Press, U.K

### c) Membership in Research Organizations and Professional Bodies

- Member of American Chemical Society (ACS)
- Fellow of Institution of Engineers (IE)
- Life Member of Institution of Engineers (IE)
- Life Member of Indian Institute of Chemical Engineers (IChE)
- Life Member of Indian Desalination Association (InDA)
- Member of International Association of Computer Science and Information Technology (IACSIT)
- Life Member of Institute for Engineering Research and Publication (IFERP)

## 12. Contact Information of Referees:

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