

Bio-Data

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CAREER OBJECTIVES

Sample

Seeking a challenging position in the organization, which gives me wide opportunity to learn and grow along with growth of the organization. To prove myself worthy of meeting the challenges around and shouldering the responsibilities assigned to me.

EDUCATIONAL QUALIFICATIONS

Education/ Course	Name of the Institution	Board/ University	Year of Completion	Percentage / CGPA
X	Mariananda Vidyanikethan	SSC	1995	84
Intermediate	Andhra Loyola College	Intermediate	1998	80
B.Sc	Andhra Loyola College, Vijayawada	Nagarjuna University	2004	89
M.Sc	Loyola College, Chennai	Madras University	2009	82
Ph.D	KU Leuven, Belgium	KU Leuven	2024	

Professional Experience :

1. Lecturer in Physics (2009-2010)– Loyola Polytechnic college (YSRR), Pulivendula, Kadapa Dt
2. Lecturer in Physics (2015-2018)– Andhra Loyola College, Vijayawada
3. Lecturer in Physics (2024- till date). Loyola Degree College, Pulivendula.

Technical Proficiency:

Microscopy

- Atomic Force Microscopy (AFM)
- Scanning Electron Microscopy (SEM)

Spectroscopy

- UV-Vis Spectroscopy (UV-Vis)
- Reflectron Time of Flight Mass Spectroscopy

Deposition

- Cluster Beam deposition (CBD) – Cluster Synthesis through physical method.
- Photo (electro)catalytic tests – Stearic acid degradation, solar water splitting tests, FTIR

Computer and Scientific Softwares

- MS word and Excel
- Origin, QPlot

Professional Activites:

List of Publications

1. **Chinnabathini, V.C.**, Dingenen, F., Borah, R., Abbas, I., van der Tol, J., Zarkua, Z., D'Acapito, F., Nguyen, T.H T., Lievens, P., Grandjean, D., Verbruggen, S.W., Janssens, E. with Grandjean, D. (corresp. author) (2023). *Gas phase deposition of well-defined bimetallic gold-silver clusters for photocatalytic applications*. *NANOSCALE*, 15 (14), 6696-6708. doi: [10.1039/d2nr07287d](https://doi.org/10.1039/d2nr07287d).
2. **Vana Chinnappa Chinnabathini**, Karthick Raj Ag, Thi Hong Trang Nguyen, Zviadi Zarkua, Imran Abbas, Thi Hang Hoang, Peter Lievens, Didier Grandjean, Sammy W. Verbruggen, Ewald Janssens. *AuCu bimetallic nanocluster-modified titania nanotubes for photoelectrochemical water splitting: composition-dependent atomic arrangement and activity*. *NANOSCALE*, 2025, 17, 833-845. doi : <https://doi.org/10.1039/D4NR03219E>.
3. Thi Hong Trang Nguyen, Zviadi Zarkua, **Chinnabathini Vana Chinnappa**, Wenjian Hu, Sreeprasanth Pulinthanathu Sree, Didier Grandjean, Deepak Pant and Ewald Janssens (2023). *Co_{3-x}Fe_xO₄ inverse opals with tunable catalytic activity for high-performance overall water splitting*. *NANOSCALE*, 15, 10306-10318
doi : [10.1039/D2NR07300E](https://doi.org/10.1039/D2NR07300E).
4. Franceschini, Filippo; **Chinnabathini, Vana Chinnappa**; Papamichail, Dimitra; Nguyen, Trang; Deschaume, Olivier; Pham, Hung; Bartic, Carmen; Escudero, Daniel; Vantomme, André; Janssens, Ewald; Taurino, Irene Manuscript "Gold Nanoclusters on Anodized Glassy Carbon as an Electrocatalytic Glucose Sensing Platform." *ACS APPL, Nano.Mater.* 2025, 8, 27, 13914-13923.

Publications in progress

1. Karthick Raj AG, Antony Charles Minja, **Vana Chinnappa Chinnabathini**, Rajeshreddy Ninakanti, Sara Bals, Ewald Janssens, Roel van de Krol and Sammy W. Verbruggen. "Atomically Precise Nickel-Iron Clusters on Bismuth Vanadate for Efficient Photoelectrochemical Water Splitting" (under progress).
2. Thi Hong Trang Nguyen, Jing Shen, Chandani Singh, Dimitra Papamichail, **Vana Chinnappa Chinnabathini**, Oriol Gutiérrez Sanchez, Didier Grandjean, Deepak Pant,

and Ewald Janssens. *“The Tunable C 2 Products on Pd Nanocluster-modified Mesoporous Copper Oxide Inverse Opals Toward CO 2 Electrochemical Reduction Reaction” (under progress).*

Workshops/FPDS/Webinars Attended:

1. Participation and oral and oral presentation at “International Meeting on Nanoalloys (IMN)”, 9-11 May 2023, held in **Orleans, France**
2. Participation and poster presentation at "Thematic Workshop - Non-Equilibrium and Environment Effects on Nanoalloys" 7-9 December 2022, held in **Paris, France**
3. Participation and poster presentation at “Nanoalloys: Recent developments and future perspectives Faraday Discussion”, 21–23 September 2022, held in **London, United Kingdom.**
4. Participation and poster presentation at Belgian Physical Society (BPS) scientific meeting on 18th May 2022 held in **Dessel, Belgium.**
5. Participation in “International Meeting on Nanoalloys (IMN)”, 14-16 April 2021, **Leuven, Belgium**, virtual conference
6. Participation and poster presentation at “International Cluster Meeting”, 18-23 July 2021, held in **Prague, Czech Republic**
7. Catchy kick-off training, September 15-17, 2021, **Leuven (Belgium)**
8. Spring school on nanoalloys 24-30 April 2022, **Corsica Islands, France** in Cargese and presented a poster
9. Participated in the national seminar on “Advances in Biomaterials and characterization Techniques” held at Andhra Loyola College, **Vijayawada**, Andhra Pradesh, **India** on 20 - 21 January, 2017
10. Participated in the international conference on “Recent Trends in Sensor development for the Assessment and Management of the Environment” organized by Loyola Institute of frontier energy, Loyola College, **Chennai, India**, on 8th to 10th January 2010.

Personal Profile

Name : Ch. Vana Chinnappa
Date of Birth : 27-02-1980
Gender : Male
Contact Address : Jesuit Residence, Loyola degree and poly colleges, Pulivendula, Kadap Dt
Languages Knows : Telugu, English, Tamil, Hindi and Dutch

Declaration:

I, hereby, declare that all the above information is true to the best of my knowledge and I also assure that I will discharge my duties with full confidence and dedication.

Date : 22-09-2025

Place : Pulivendula

Signature

Dr. Ch. Vana Chinnappa

(Name of the lecturer)