Name of Faculty	Dr. Seriyala Anil Kumar
Designation	Assistant Professor
Nature of Job/Appointment	Contract
Date of Joining	15-04-2026
E-mail	seriyalaanilkumar@cbit.ac.in

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (CHE) BITS_Pilani, Pilani Campus, Rajasthan	Awarded
PG	M.E. (CHE) BITS_Pilani, Pilani Campus, Rajasthan	First with Distinction
UG	B.Tech (CHE) Acharya Nagarjuna University	First class

Work Experience

Teaching	2.5 Years
Research	01 years
Industry	1.5 year
Others	1.5 year (Online GATE teacher) 1.5 year (Placement Officer)

Area of Specialization	Hydrogen Production, Catalysts, Material characterization, Modeling & simulations and Kinetic studies, Energy
Professional Memberships	Life Member-IICHE,
Responsibilities held at Institution Level	Training and placement officer
Responsibilities held at Department Level	1. Department R&D in_charge 2. Incharge for mass transfer and simulation lab 3. Department placement coordinator 4. Final years students class incharge
Research Guidance	4 UG projects
Awards Received	**3 Awards** 1. Won 3rd prize in best academic research from the Royal Society of Chemistry in 2020. 2. Received the best poster presentation award at the International Hydrogen & Fuel Cell Conference (IHFC-2019) organized by the Hydrogen Association of India (HAI), held from 8th to 10th December 2019. 3. Won 1st prize in INBLOOM competition at BITS Pilani campus, Rajasthan, 2012.
Courses Handled at Under Graduate / Post Graduate Level.	UG Level: Heat transfer, Mass transfer, Process simulation and modelling, Thermodynamics, Material characterization and analysis, Fluid mechanics, Mechanical Operations, Environmental engineering.
No. of Papers Published	National Journals – 00 International Journals – 6 National Conference – 01 International Conference – 01

Projects Carried out	**Projects completed** 1. Preparation of graphene oxide from agriculturally based waste biomass using ferrocene lewis's acid catalyst. **Duration:** 12 months (2023) **Organization:** IICHE BRC, student project program 2. Preparation and comparisoin of grapheme oxide properties devired from agricultural waste biomass using the tours and hummers method. **Duration**: 12 months (2024) **Organization:** Karnataka State Council for Science & Technology 3. Separation of oxygen by using linde frankl process system through ASPEN simulation. 4. Hydrogen Production from Ethanol by Low Temperature Reforming Methods Using Modified NiSn/Al2O3 and NiSn/CeO2 Catalysts. **Duration:** 3 years (2018-2021) **Organization:** Science and Engineering Research Board (SERB-EMR)
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	1. Reddy, A., Anil Kumar, S., Yogin, C., Navjot, Roy, B. (2023). Synthesis of graphene type materials from agricultural residues. In recent Trends in Nanotechnology for sustainable Environment, Proceedings of ICON-NSLE 2022 published by Springer.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).	1. Participated in "Teaching Learning workshop for Next Generation Academicians" Organized by TLC, BITS-Pilani on 7th September 2019 at Pilani campus, Rajasthan, India. 2. Attended Faculty Development Program (FDP) on "Effective and innovative ways of Teaching and learning strategies", June 5th to 9th, 2017, Anurag Group of Institutions,Ghatkesar, Hyderabad, India. 3. Attended Faculty Development Program (FDP) on "Applications of ASPEN PLUS in process Industries", November 13th to 18th, 2017, Anurag Group of Institutions, Ghatkesar, Hyderabad, India. 4. Attended 3 days' workshop on "Scientific Educational Practices" during 17-19th Aug 2016 organized by VEDIC center, Hyderabad, India. 5. Attended 3days national workshop on "Advances in modeling, Optimization and control of chemical process" during 28-30th July 2015 organized by BVRIT, Hyderabad, India. 6. Participated in a national level technical paper presentation called VIRINCHI which is held at Sri Padmavathi Mahila Vishwa Vidyalayam, Tirupati, India.
Details of Journal Publications/ Conferences **(National and International)**	1. Presented a poster presentation in "Engineer's Day-2022" organized by BITS-Pilani, during 15th September 2022, at Pilani campus, Rajasthan, India. 2. Presented poster presentation in International Hydrogen & Fuel Cell Conference (IHFC-2019) Organized by Hydrogen association of India during 8-10th December 2019. 3. Presented paper presentation at 72nd annual session of Indian institute of chemical engineers "CHEMCON-2019" held on 16-19th December,2019 at IIT Delhi, India. 4. "TACHEE CONFERENCE 2012" on topic "Foam and foam property evaluation by using aqueous ethanol solution" at Pilani campus, Rajasthan, India. 5. "SCHEMCON 2012" national level conference on topic "Evaluating environmental impact by using Fuzzy logic method and analytical method" at Pilani campus, Rajasthan, India.

International Journal

1. **Anil Kumar, S**., Rao, A., Appari, S., Leclerc, C., & Roy, B. (2023). Effects of Metal Loading and Support Modification on the Low-Temperature Steam Reforming of Ethanol (LTSRE) Over the Ni-Sn/CeO2 Catalysts. **International Journal of Hydrogen Energy**, 48(41), 15533–15554. https://doi.org/10.2139/ssrn.4216553 .
2. **Anil Kumar, S.**, Chava, R., Baffoe, Pham, Leclerc, C., Appari, S., Roy, B. (2023). Tin and Lanthanum Modified Ni/CeO2 Catalyst Systems for Low Temperature Steam Reforming of Ethanol (LTSRE). **International Journal of Hydrogen Energy**. https://doi.org/10.1016/j.ijhydene.2023.08.171
3. Chava, R., **Anil Kumar, S.,** D, B. A. V., Yeluvu, K., Roy, B., & Appari, S. (2023). Investigation of Ba doping in A-site deficient perovskite Ni-exsolved catalysts for biogas dry reforming. **International Journal of Hydrogen Energy**, 48(71), 27652-27670. https://doi.org/10.1016/j.ijhydene.2023.03.464
4. **Anil Kumar, S.,** Indraja, S., Singh, R., Appari, S., & Roy, B. (2022). A review on ethanol steam reforming for hydrogen production over Ni/Al2O3 and Ni/CeO2 based catalyst powders. **International Journal of Hydrogen Energy,** 47(13), 8177–8213. https://doi.org/10.1016/j.ijhydene.2021.12.183 .
5. **Anil Kumar, S**., Soodesh, C. Yogin, P. Chattopadhyay, N. Rozhkova, B. Michalkiewicz, S. Chatterjee, and B. Roy. 2024. "Chemical Engineering Research and Design Carbonaceous Catalysts (Biochar and Activated Carbon) from Agricultural Residues and Their Application in Production of Biodiesel : A Review." **Chemical Engineering Research and Design** 203(November 2023):759–88. doi: 10.1016/j.cherd.2024.02.002.
6. **Anil Kumar, S.,** Amrita Bhattacharjee, Banasri Roy, and Pradipta Chattopadhyay, (2026). Application of bimetallic Ni^0/Fe^0 nanoparticles stabilized SDS and Saponin foams for the remediation of petrol-contaminated soil. **Journal of Environmental Chemical Engineering**, 14 (2), 121915, https://doi.org/10.1016/j.jece.2026.121915

International /National Conferences

1. **Anil Kumar, S.,** Appari, S., & Roy, B. (2023). Steam reforming of ethanol for hydrogen production by low- temperature steam reforming using modified Ni-Sn/CeO2 catalyst. Materials Today: Proceedings, 76(2), 279-288. https://doi.org/10.1016/j.matpr.2022.11.231 .