



Sivakumar S.V.

Current Role

- Principal Science Expert in Process Development (Downstream, Chemicals and Biotechnology) → *Thought leader advising senior management in Shell's Strategy for de-fossilizing its molecules portfolio from sustainable feedstocks & associated technologies*
- Principal Engineer Process Development → *Providing technical performance and technical safety assurance for various Shell R&D projects on low-carbon biofuels and bio-chemical programs.*
- SME in biomass pretreatment & conversion
- Technology TA-2 for novel technology process development

Key Experiences

- Led multiple R&D process development & experimental-pilot programs at Shell Technology Center's in Houston & Amsterdam. *25 US patents granted, 10+ patents pending from these projects.*
- Led 'derisking & development' of Shell's 2G Ethanol technology from R&D stage and turned into a commercial opportunity working with Shell's licensing team in the United States.
- Led External-Technology Collaborations with Dutch Technical Universities and Industrial consortiums (along with Dow, DSM, AkzoNobel, LyondellBasell, Sabc)
- Operations Support Engineer at Convent Oil Refinery: *Provided 24x7 process engineering support & technical assurance for two crude units (250,000 barrels per day) and Isomerization unit, led MOC's/ Causal investigations / PHA's & process engineering support to Turnaround planning/execution and unit start-up*
- Identified and Implemented a margin opportunity using a new generation catalyst and improved Isomerization capacity