

## FACULTY PROFILE

### Personal Information

Full Name: Dr. V. DILLIBABU

Designation: Associate Professor & HOD-I/C

Official Email ID: [hodauto@kcgcollege.com](mailto:hodauto@kcgcollege.com)

Date of Joining in KCG: 02/08/2021



### Educational Qualifications

Degree	Specialization	University / Institution	Year of Passing
Ph.D.	Biomass Gasification	Anna University	2020
M.E./M.Tech	Energy Engineering	Anna University -CEG	2011
B.E./B.Tech	Mechanical Engineering	Anna University	2009

### ACADEMIC PERFORMANCE

### Experience

Teaching Experience	Industry Experience	Research Experience
13 Years	Nil	1 Year
<b>Total Experience:14 Years</b>		

### Previous Organization

Name of the Organization	Designation	Period		Experience	
		From	To	Years	Months
<b>KCG College of Technology</b>	Associate Professor	August 2021	-	4	5
<b>Easwari Engineering College</b>	Assistant Professor	August 2018	June 2021	2	10

<b>RMK College of Engineering and Technology</b>	Assistant Professor	June 2015	April 2018	2	10
<b>TJS Engineering College</b>	Assistant Professor	June 2011	April 2014	2	10

### Courses Taught

Undergraduate Courses: Engineering Thermodynamics, Engineering Graphics, Renewable Sources of Energy, Heat and Mass Transfer, Thermal Engineering, Fuels and Lubricants.

### FDPs / Workshops Organized

1. Building Sustainable Smart Industries: Industry 4.0 in Manufacturing, Mobility & Automation, 7<sup>th</sup> – 11<sup>th</sup> July 2025.

### SCIENTIFIC CONTRIBUTION

### Online Profiles

Google Scholar:

<https://scholar.google.com/citations?user=1Tis5mMAAAAJ&hl=en&authuser=1>

ORCID: <https://orcid.org/0000-0001-9735-8575>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=57194390757>

Total Number of Research paper	Citations	h-index	i10-index
<b>18</b>	<b>87</b>	<b>5</b>	<b>4</b>

### Research Publications

International Journals:

1. V. Dillibabu, E. Natarajan; **Green Energy From Biomass Gasification**, Journal of chemical and Pharmaceutical Sciences, special issue 7, 182-185, 2015.
2. Dillibabu.V, Natarajan.E; **Effect of temperature and equivalence ratio on gasification of biomass**, Journal of chemical and Pharmaceutical Sciences, special issue 4, 92-94, 2014.
3. Venugopal Dillibabu; Thangavelu Lakshmanan; Elumalai Natarajan; **Air and oxygen gasification simulation analysis of sawdust**, Thermal Science, 23, 2 Part B, 1043-1053, 2019.
4. Venugopal Dillibabu; Thangavelu Lakshmanan; Elumalai Natarajan; **Energy, exergy and sustainability analysis of rice husk air gasification process**, Thermal Science, 23, 2 Part A, 549-560, 2019.
5. Dhanashekhar, M; Prakash, S; Dillibabu, V; **Redesign of Passenger Emergency Alarm Signal Device in Indian Rail Coaches**, International Journal of Advanced Research Trends in Engineering and Technology, 4 (11), 56-61, 2017.
6. Dillibabu V, Aravindhan N, Krishnakumar M, Bibin C; **Agglomeration in Fluidized Bed Combustion System**, International Journal for Scientific Research & Development, 5 (3), 103-107, 2017.
7. Selvadharai M, Vignesh ponmurugan S, Vijayakumar R, Dillibabu V; **Creating a TRNSYS Model of Spiral Flow Flat Plate Solar Water Heater (SFSWH) and Comparing Unique Results with Parallel Flow Flat Plate Collector**, International Journal of Innovative Technology and Exploring Engineering, 8 (12s), 49-56, 2019.
8. Mathavan, S; Mothilal, T; Dillibabu, V; Billy, D; Muthu, G; **Emission characteristics study of Gasoline-Diesel and Gasoline-Diesel/pentanol blend**, IOP Conference Series: Materials Science and Engineering, 988, 1, 12050, 2020.
9. Rajakumaran, V; Dillibabu, V; Laksmanan, T; **Design and modelling of MSW (RDF) gasifier**, IOP Conference Series: Materials Science and Engineering, 1130, 1, 12023, 2021.
10. Natarajan, Anbazhaghan; Venugopal, Dillibabu; Thangavelu, Lakshmanan; **Investigation of biomass gasification simulation using air, steam and oxygen as gasifying agent**, Thermal Science, 26, 6 part B, 5109-5119, 2022.

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- 11. Venugopal, Dillibabu; Thangavelu, Lakshmanan; Natarajan, Anbazhaghan; Investigation of gasification reactions and H<sub>2</sub>/CO ratio analysis for rice husk air gasification simulation, Thermal Science, 27, 1 Part B, 881-890, 2023.**
- 12. Rajesh, K; Natarajan, MP; Devan, PK; Ponnuvel, S; Dillibabu, V; Arun Kumar, S; Effect of intake air preheat on diesel engine performance fueled with coconut fatty acid distillate biodiesel, Recent Advances in Energy Technologies: Select Proceedings of ICEMT 2021, 451-462, 2022.**
- 13. Dillibabu, V; Gopinath, S; Dharsan, S; Sasidharan, M; Effect of Operating Condition on Permanent Magnet Heating System, International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics, 25-34, 2022.**
- 14. Soundararajan Gopinath; Chidambaranathan Bibin; Rajendran Ashok Kumar; Venugopal Dillibabu; Devarajan Yuvarajan; Plastic pyrolytic oils as renewable fuel: improving its physical properties and ignition patterns by waste renewable source—an experimental analysis, Environmental Science and Pollution Research, 31, 18, 26497-26509, 2024.**
- 15. Thanuj, R; Surajnarayan, S; Karthikeyen, Y; Dillibabu, V; Anti-Theft Vehicle Tracking and Remote-Control System, International Journal of Vehicle Structures & Systems, 15, 5, 2023.**

**Books / Book Chapters**

**Selvadhurai, M; Vigneshponmurugan, S; Vijayakumar, R; Dillibabu, V; Creating a TRNSYS Model of a Spiral Flow Flat Plate Solar Water Heater (SFSWH) and comparing it to a Parallel Flow Flat Plate Collector: A Recent Study, Advanced Aspects of Engineering Research Vol. 12, 107-123, Book Publisher International.**

**Patents / IPR**

Indian patent grant - “MAGNETIC INDUCTION FLUID HEATER AND HEATING VESSEL” – Application number- 202241017781.

**Professional Memberships**

Institute of Science & Technology - Life member

**Administrative / Academic Responsibilities**

Head of the Department (I/C)

Department Academic Coordinator

Department NBA Coordinator

Department Project Coordinator

Faculty Advisor

Course Coordinator

Lab In charge