

## Faculty Profile

**Name** : Dr.D.Vasudevan  
**Designation** : Assistant Professor.  
Date of Birth : 20.06.1984  
Bank A/c No. (LVB) : 0751301000218829  
PAN No. : APOPD4614C  
Passport No. : -  
PF No. : -  
Aadhaar NO : 859785136296  
DOJ : 01.06.2015

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: [vasudevand@ksrct.ac.in](mailto:vasudevand@ksrct.ac.in)

### Contact Address & Phone No.:

1. Residential Address	Pappambadi (Po), Pappireddipatty (Tk), Dharmapuri (Dt), Tamil Nadu, India.
2. Land line No. (Home)	NIL
3. Mobile	+ 91 9659473224

**Name of the Institution** : K.S.Rangasamy College of Technology,  
Tiruchengode – 637215.

**Department** : Mechanical Engineering

**Field of Specialization** : Heat transfer, Refrigeration and Air Conditioning, I.C engines

**Google Scholar link** : <https://scholar.google.com/citations?hl=en&user=073jihwAAAAJ>

### Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	Specialization
Ph.D	Anna University	2022	Heat transfer, Nano fluids
M.E	Annamalai University	2011	Thermal Power
B.E.	Annamalai University	2005	Mechanical
HSc	Indian Matriculation Hr Sec School,G.K.Road	2001	Maths,Computer science
S.S.L.C.	Govt Boys Hr Sec School, Pappireddipatty.	1999	Maths, science

### Teaching Experience: (Engineering College only)

S.No.	Institution/Organization	Post Held	Period	
			From	To
1.	K.S.Rangasamy college of Technology, Tiruchengode.	Assistant Professor	01.06.2015 to till date	
2.	T.S.M Jain college of Technology, Kallakurichi.	Assistant Professor	17.05.2011 to 30.05.2015	
3	Transtech Projects Pvt Ltd, Pune.	Piping engineer	19.03.2008 to 08.07.2009	
4.	Friction elements, Bangalore.	Engineer	19.07.2005 to 14.03.2008	

**Total Teaching Experience: 11 years 1 month**  
**Industrial Experience: 4 Years**

### Membership in Professional Bodies:

**Life Member**, International Society for research and development.

**Associate Member in** “The Institution of Engineers”

### LIST OF PUBLICATIONS

#### NATIONAL JOURNALS

1.	<b>D.Vasudevan</b> , P. Balashanmugam ‘Development of non-polluted vehicle using aqua silencer’ Research Journal of Engineering and Technology, Published 28 December 2015, DOI:10.5958/2321-581x.2015.00065.3.
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#### INTERNATIONAL JOURNALS

1	<b>D. Vasudevan</b> , D. Senthilkumar and S. Surendhiran, “Performance and Characterization Studies of Reduced Graphene Oxides Aqua Nanofluids for a Pool Boiling Surface”, <i>International Journal of Thermophysics</i> , ISSN 0195-928X, Volume 41 Number 6.
2	<b>D. Vasudevan</b> , D. Senthil Kumar, A. Murugesan, And C. Vijayakumar, “Experimental investigation and characteristics of multiwalled carbon nanotube aqua nanofluids from a flat plate heater surface in a pool”, <b>Bulletin of the Polish Academy Of Sciences Technical Sciences</b> , Vol. 68, No. 3, 2020, DOI: 10.24425/bpasts.2020.133380
3	<b>D.Vasudevan</b> , P.Balashanmugam and G.Balasubramanian, “A Study on Compressive Behaviour of Thermal Cycled Titanium Alloy [Ti-6Al-4V]”, <i>International Journal for Research in Emerging Science and Technology</i> , Volume-2, Issue-7, July-2015.
4	<b>D.Vasudevan</b> , P.Balashanmugam, “Study of Thermal Behaviour on Titanium Alloys (Ti-6al-4v)”, <i>Journal of Engineering Science and Technology</i> Vol. 12, No. 8 (2017) 2064 - 2077 School of Engineering, Taylor’s University.
5	S Manikandan, S Ramanathan, S Krishnamohan, <b>D Vasudevan</b> , “Tensile Behaviour of Thermal Cycled Titanium (Ti-6Al-4V) Alloy” , <i>Artificial Intelligent Systems and Machine Learning</i> , Vol 3, No 8 (2011)

6	M. Sudha, S. Surendhiran, Gowthambabu, A. Balamurugan, R. Anandarasu, Syed Khadar, <b>D. Vasudevan</b> “Enhancement of Corrosive Resistant Behavior of Zn and Mg Metal Plates Using Biosynthesized Nickel Oxide Nanoparticles” <i>Journal of Bio- and Tribo-Corrosion (2021)</i>
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### NATIONAL CONFERENCES

1	<b>D. Vasudevan</b> , K.R.Balamurugan “A Study on thermal Behaviour of thermal cycled Titanium Alloy for Gas turbine” Proceedings of the national workshop-cum-conference on small gas turbine engines”- (SGTE-2016).
2	<b>D.Vasudevan</b> “Experimental Investigation and Characterization Of Aqua Based Nan fluids in 3rd National e - Conference on Recent Innovations & Advanced Trends in Mechanical Engineering - NCRIATME - 2020” held on 25th & 26th June 2020, organized by the Department of Mechanical Engineering, AVIT.
3	<b>D.Vasudevan</b> , “Heat transfer enhancement in nanofluids” virtual conference on Innovation and Emerging trends in Mechanical engineering (NCIETME 2021).

### INTERNATIONAL CONFERENCES

1.	<b>D. Vasudevan</b> , D. Senthilkumar, M.Kathirselvam, “Investigations on pool boiling critical heat flux and characteristics of aqua based multiwall carbon nanotube (MWCNT) nanofluids over a flat plate heater”, Proceedings of the 25 <sup>th</sup> National and 3 <sup>rd</sup> International ISHMT- ASTFE Heat and Mass Transfer Conference (IHMTTC-2019), December 28-31, 2019, IIT Roorkee, Roorkee, India.
2.	<b>D. Vasudevan</b> , D. Senthilkumar, “Pool Boiling Characteristics of Reduced Graphene Oxide nano-Fluid over a Flat Plate Heater”, Proceedings of the 24 <sup>th</sup> National and 2 <sup>nd</sup> International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), December 27-30, 2017, BITS Pilani, Hyderabad, India.
3.	<b>D. Vasudevan</b> , “Heat Transfer enhancement of aqua base TiO <sub>2</sub> nanofluid in car radiator” International conference on sustainable materials (ICSM 2K19) held on 19th and 20th march 2019.
4.	<b>D. Vasudevan</b> , “Thermal performance of automobile radiator using Al <sub>2</sub> O <sub>3</sub> nanofluid in a car radiator” International conference on sustainable materials (ICSM 2K19) held on 19th and 20th march 2019.
5.	<b>D. Vasudevan</b> , “Study of heat transfer enhancement using CNT/water nanofluid as a coolant in car radiator” International conference on sustainable materials (ICSM 2K19) held on 19th and 20 <sup>th</sup> march 2019.
6.	<b>D. Vasudevan</b> , “A Comparative Study on CHF Enhancement of Reduced Graphene Oxide (rGO) With Multiwalled Carbon Tube (MWCNT) Using Pool Boiling Method” Recent innovations Robotics, construction and mechanical sciences (ICRIRCMS) held on June 10-11 2022.

### WORKSHOP / SHORT TERM COURSES PARTICIPATED:

1	Participated in the Seven days “Gas Dynamics and Jet Propulsion” at Knowledge Institute of Technology, Kakkapalayam.
2	Participated in the Seven days “Research scope in thermal Engineering” GCE, Salem.

3	Participated in the Fourteen days “Engineering Thermodynamics” IIT Bombay.
4	Participated in the Four days “Utilization Techniques of Renewable Energy sources” National Institute of Technology, Tiruchirappalli from 06-09 June 2016.
5	Participated in the Twelve weeks “Application, Examples and problem solving Approach of Thermodynamics” Indian Institute of Technology Madras, Chennai.
6	Participated in the Seven days “Recent Developments in conventional and Non conventional energy resources” Pondicherry Engineering College, Puducherry.
7	Participated in the Five days “Refrigeration and Air Conditioning” IIT Guwahati.
8	Participated in the "Learn to Design your own Solar Home System” certificate has been awarded as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with K.S.RANGASAMY COLLEGE OF TECHNOLOGY.
9	Participated in the Five days, “Emerging Research Areas in Engineering” SRM Institute of Science and Technology.
10	Participated in the Three days workshop on "Advanced Engineering Measures for Controlling the Airborne Disease Transmission in the Built Environment” jointly organized by Vellore Institute of Technology and jointly organized by University of Saskatchewan,
11	Participated in the Six days STTP on Automotive technology for sustainable future

## PROGRAM ORGANISED

1.	Webinar on “ <b>Innovative Technologies in Energy Conservation for buildings</b> ” during 18.03.2021 organized by K.S.R. College of Technology, Tiruchengode, Tamil Nadu.
2.	Webinar on “Innovations in Renewable energy and role of Solar Energy” during 09.03.2022 organized by K.S.R. College of Technology, Tiruchengode, Tamil Nadu.

## ACADEMIC ACTIVITIES

1. Designed and developed lab equipment in the thermal engineering lab.

## CITATION OF RESEARCH PAPER DETAILS AS ON 14.08.2019

**Total Citation** - 46  
**H- index** - 3  
**I10- index** - 2



Vasudevan Devarajan

FOLLOW

Assistant Professor at [K.S.Rangasamy College of Technology](#)

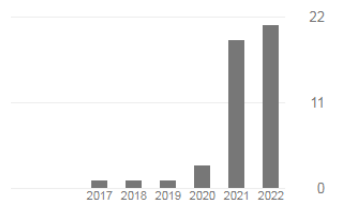
Verified email at [ksrct.ac.in](#)

[Heat Transfer](#) [IC Engines](#)

<input type="checkbox"/>	TITLE	CITED BY	YEAR
<input type="checkbox"/>	<a href="#">Performance and characterization studies of reduced graphene oxides aqua nanofluids for a pool boiling surface</a> D Vasudevan, D Senthikumar, S Surendhiran International Journal of Thermophysics 41 (6), 1-19	25	2020
<input type="checkbox"/>	<a href="#">Enhancement of Corrosive-Resistant Behavior of Zn and Mg Metal Plates Using Biosynthesized Nickel Oxide Nanoparticles</a> VD M Sudha., S Surendhiran., A Balamurugan., V Gowthambabu., anandarasu ... Journal of Bio- and Tribo-Corrosion	14	2021
<input type="checkbox"/>	<a href="#">Study of thermal behaviour on Titanium alloys (TI-6AL-4V)</a> D Vasudevan, P Balashanmugam Journal of Engineering Science and Technology 12 (8), 2064 - 2077	5	2017
<input type="checkbox"/>	<a href="#">A Study on Compressive Behaviour of Thermal Cycled Titanium Alloy [TI-6AL-4V]</a> D Vasudevan, P Balashanmugam, G Balasubramanian Int. J. Res. Emerg. Sci. Technol. 2, 154-167	1	2015
<input type="checkbox"/>	<a href="#">Development of non-polluted vehicle using aqua silencer</a> D Vasudevan, P Balashanmugam Research Journal of Engineering and Technology 6 (4), 418-426	1	2015

Cited by

	All	Since 2017
Citations	46	46
h-index	3	3
i10-index	2	2



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## ADMINISTRATIVE EXPERIENCE

1. Acted as Anna University Representative in ANNA UNIVERSITY Examinations.
2. Acted as NCC, NSS and YRC Coordinator.
3. Module Coordinator
4. Presently acting as an Energy Club coordinator
5. Class Advisor (2015-2019) Batch
6. Currently Class Advisor (2020-2024)