

## PROFILE

Name	<b>Dr. R.Verma</b>
Position & Affiliation	Professor, Research & Development, Visiting Prof. to Dept. of Mech. Engg.
Areas of Interest	Composite Materials, Mechanical Design, Maintenance of Static Equipment. (Heat Exchangers, Distillation columns, Heaters, Cooling Towers) and Piping/valves.
Email	verma.mech@cambridge.edu.in
LinkedIn ID	<a href="https://www.linkedin.com/in/dr-verma-rajamanickam-477a07175?utm_source=share&amp;utm_campaign=share_via&amp;utm_content=profile&amp;utm_medium">https://www.linkedin.com/in/dr-verma-rajamanickam-477a07175?utm_source=share&amp;utm_campaign=share_via&amp;utm_content=profile&amp;utm_medium</a>
Google Scholar ID	
Orchid ID	
Vidwan ID	
Scopus ID	
Professional Webpage (if any)	

### **Educational Qualifications:**

Ph.D	UVCE, Bangalore University	India	2021
MTech	BMS college of Engineering, Bangalore University	India	2007
BE	GVIT, KGF, Bangalore University	India	1996

### **Areas of Research:**

Composite materials, Leak free joints ( Heat exchangers & Piping)

### **Brief Profile: (write about yourself)**

Completed ME in Machine Design & PhD in Composite Materials, Having over 25 years of Industry, Academic and Training Experience. The areas of interest are composite materials and Refinery ( Oil & Gas) Static Equipment Maintenance, Leak Free Joints, Root Cause Analysis, Solid Waste Management, Industrial safety, Welding & Fabrication and Structured on job Training for Mechanical Maintenance engineers in oil & Gas field. worked in Kuwait National Petroleum company Refinery, Ahmadi, KUWAIT as mechanical maintenance engineer & S-OJT Trainer, worked in QATAR as welding & Fabrication Engineer, worked as a Lecturer in BMS college of Engineering, Bangalore, Currently working as a Professor(R&D) & Visiting

Professor to Dept. of Mech. Engg in Cambridge Institute of Technology, Bangalore

*Add about setting up labs and consultancy (if any)-NIL*

*Guiding students at various levels (BE, MTech and PhD): Imparted S-OJT (structured on job training) for mechanical Engineering Graduates in Mech. Maintenance in Oil & Gas Refinery KUWAIT.*

#### Awards/Achievements/Others:

Successfully managed to arrest the Naphtha Leak from Fin Fan Cooler (E-08-05 Bank#3) by applying Belzona compound and avoided Isomax Unit-08 Shutdown, SHUAIBA Refinery, Kuwait

□ Established Training Centre & workshop for Kuwaiti Contractor employees of (m/s IMCO) in SHUAIBA Refinery, Kuwait

□ Initiated and Established Solid Waste Staging & Segregation Centre at SHUAIBA Refinery, Kuwait.

□ Successfully managed to arrest Light Diesel from Fin Fan Cooler (E-14-04 Bank#2) by Designing special clamp and preventing Iso-Cracker Unit-14 shutdown, Mina Abdulla Refinery, Kuwait.

**Courses Taught: Thermodynamics, Material science, Manufacturing process, Engineering Drawing.**

#### Publications/Patents:

Publications

- **Dr.Verma R**, Dr. Sachudhanandan. S, "**Effect of Angle Ply Orientation on Wear Properties of Ramie Fiber Reinforced Polymer Composite**", Journal of Research Administration (Society of Research Administrators International), ISSN:1539-1590 I E-ISSN:2573-7104 Vol.5 No. 2, Dec 2023
- **Verma R**, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "**Studies On Thermal Characteristics of Micro-Titanium and CNT Reinforced Copper Based MMC**", International journal of innovative research in technology(IJIRT), | IJIRT | Volume 7 Issue 12 | ISSN: 2349- 6002. May 2021
- **Verma R**, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "**Investigation of Tribological properties of Micro-Titanium and CNT Reinforced Copper Based MMC**", International Journal of Scientific Research in Mechanical and Materials Engineering, ISSN: 2457-0435, Volume 5, Issue 3 May-June-2021.
- **Verma R**, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "**Evaluation of Mechanical Properties of Micro-Titanium and CNT Reinforced Copper Based MMC**", International Journal of Scientific Research in Science, Engineering and Technology, Volume 8, Issue 3, May-June 2021.
- **Verma R**, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "**Effect of Tribological Properties on Boron Carbide and CNT Reinforced Copper based Composites**", International Journal of Scientific Research in Science and Technology, Print ISSN: 2395- 6011 Volume 8, Issue 3 Page Number : 148-165, May June-2021.
- **Verma R**, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "**Studies on Tensile Property and Microstructure Behaviour of Boron Carbide and CNT Reinforced Copper based Hybrid Composites**", International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; Volume 9 Issue V May 2021.

	<ul style="list-style-type: none"> <li>• <b>Verma R</b>, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "<b>Evaluation of Mechanical Properties on Boron Carbide and CNT Reinforced Copper based Composites</b>", International Journal for Research in engineering Application &amp; Management (IJREAM), ISSN : 2454-9150 Vol-07, Issue-02, MAY 2021.</li> <li>• <b>Verma R</b>, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "<b>A Statistical Analysis On Mechanical Properties Of Graphene And S-Glass Reinforced Al-6061 Metal Matrix Composites Using Sem And Anova.</b>", Journal of Emerging Technologies and Innovative Research (JETIR), JETIR, ISSN-2349-5162. Volume 8 Issue 5, May 2021</li> <li>• <b>Verma R</b>, Dr. Ranjith V, Dr. H. K. Shivanand, Dr. Tukaram Jadhav, Puneeth P, "<b>Studies on tribological properties on graphene and S glass reinforced Al-6061 metal matrix composites</b>", World Journal of Engineering Research and Technology (WJERT), WJERT, 77-195. ISSN 2454-695X. Vol. 7, Issue 4 July 202</li> </ul>
Patents	<p><i>Kindly add the details about the patents granted and published-NIL</i></p>
Book/Book Chapters	
<p><b>Research and Consultancy:</b>  <b>Currently working on Heat exchanger tube material for sea water service and composite material for piping.</b>  <b>Working on leak detection of underground gas pipelines.</b></p>	