



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

Ph: 044 – 26842627 / 26842086

DEPARTMENT OF MECHANICAL ENGINEERING

NAME & INITIALS	DR.C.RAMESHKUMAR	
DESIGNATION	ASSOCIATE PROFESSOR	
EDUCATIONAL QUALIFICATION	B.E,M.E,PhD	
EXPERIENCE	23 YEARS	
DATE OF JOINING	02.05.2023	
EMAIL ID	dr.ramesh_mech@aalimec.ac.in	
AREA OF SPECIALISATION	COMPOSITE MATERIALS, MACHINING	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
B.E	MECHANICAL	ADITHYAMAAN COLLEGE ENGINEERING COLLEGE	UNIVERSITY OF MADRAS	1995
M.E	INDUSTRIAL	KUMARAGURU COLLEGE OF TECHNOLOGY	BHARATHIYAR UNIVERSITY	1999
P.h.D	COMPOSITE MATERIALS	ANNA UNIVERSITY	ANNA UNIVERSITY- CHENNAI	2021

PROFESSIONAL MEMBERSHIPS

NIL

NPTEL COURSES ATTENDED

NIL

FDP ATTENDED

Participated in **Muti-Response Optimization** organized by Saveetha Engineering Coleege, Chennai from 21.03.2013 to 22.03.2013.

Participated in **Latest trends in fabrication characterization & analysis of composite materials** organized by S.A. Engineering College, Chennai from 30.01.2018 to 31.01.2018 .

Participated in **Recent trends in fabrication characterization & Nano composite related to combat vehicle composite** organized by S.A. Engineering College, Chennai from 05.07.2018 to 06.07.2018 .

Participated in **Recent trends in automation and IIOT** organized by Vel tech high tech Dr.Rangarajan Dr.Sakunthala engineering College ,Chennai from 18.12.2019 to 24.12.2019.

Participated in **Use of intelligent techniques in manufacturing** organized by Saveetha Engineering College, Chennai from 03.04.2020 to 04..04.2020.

Participated in Effective Research Writing using LaTeX, organied by Department of Mechanical Engineering, in association with Spoken Tutorial, IIT Bombay during 22.6.20 to 27.6.2020.

WORKSHOPS ATTENDED

Participated in **Optimization** organized by Kings Engineering College, Chennai on 17.08.2016.

Participated in **Advanced manufacturing process applied to combat vehicle components** organized by S.A. Engineering College, Chennai on 23.06.2017.

Participated in **Optimization techniques** organized by Kings Engineering College, Chennai on 30.08.2019.

SEMINARS/WEBINARS ATTENDED

Participated in the webinar on "Industrial IOT" Organized by Karpaga vinayaga college of engineering and technology, Chennai on 21st Feb 2021

Participated in the webinar on Emerging Trends in Manufacturing Engineering conducted by St.Joseph College of Engineering, Department of Mechanical Engineering on 01-07-2020.

PUBLICATION DETAILS

<p>C. Ramesh Kumar (2022) "Optimization of Aging, Coating Temperature and Reinforcement Ratio on Bio silica Toughened in-situ Al-TiB₂ Metal Matrix Composite: a Taguchi Grey Relational Approach", <i>Silicon</i>, doi.org/10.1007/s12633-021-01232-y. (Scopus Indexed/ Annexure-I).</p>
<p>C. Ramesh Kumar (2022)," Mechanical and tribological characterization of hybrid al6061/b4c/gr composites by stir casting technique", <i>Surface Reviews and Letters</i>,Vol. 29, No. 118, 614 , doi.org/10.1142/S0218625X22501475. (Scopus Indexed/ Annexure-I))</p>
<p>C. Ramesh Kumar (2021)" Process optimization using grey relational analysis in dry sliding wear behavior on SiC/B₄C/Talc reinforced Al 6061 hybrid metal matrix composite'", <i>Metall. Res. Technol.</i> Volume 118, Number 6, 2021, /doi.org/10.1051/metal/2021086. (Scopus Indexed/ Annexure-I.)</p>
<p>C. Ramesh Kumar (2020) "Role of SiC on Mechanical, Tribological and Thermal Expansion Characteristics of B₄C/Talc-Reinforced Al-6061 Hybrid Composite",<i>Silicon</i> Vol. 12,pp 1491-1500. doi.org/10.1007/s12633-019-00243-0 (Scopus Indexed/ Annexure-I.)</p>
<p>C. Ramesh Kumar (2019) "Optimization of drilling parameters in hybrid (Al6061/SiC/B₄C/talc) composites by grey relational analysis", <i>J Braz. Soc. Mech. Sci. Eng.</i> 41, 155 . doi.org/10.1007/s40430-019-1661-7(Scopus Indexed/ Annexure-I).</p>
<p>C. Ramesh Kumar (2019) "Analysis Of Friction Stir Welding Between Dissimilar Materials Using Bobin Tool" <i>International journal of scientific & technology research</i> volume 8, issue 12, ISSN 2277-8616'(Scopus Indexed).</p>
<p>C. Ramesh Kumar (2019) ,"Experimental Study Of CuO Nanoparticles On Thermomechanical Properties Of Nanobased Polymer Composites", <i>International journal of scientific & technology research</i>, volume 8, issue 09, ISSN 2277-8616. (Scopus Indexed).</p>
<p>C.Ramesh Kumar (2019) ,"Design and Fabrication of Multi Nozzle Battery Spray Pump", <i>International Journal of Advanced Science and Technology</i> Vol. 29, No. 3, pp. 724 – 738.</p>
<p>C. Ramesh Kumar (2018) ,"Thermal and dielectric behaviour of silanated chitosan bio ceramic particles reinforced epoxy resin bio composite", <i>Journal of Optoelectronic and Biomedical Materials</i> Vol. 10, No. 2, pp. 29 – 35. ISSN 2066-0049.</p>
<p>C. Ramesh Kumar (2018) ,"Mechanical and thermal characterization of heat/surface treated egg shell filler diffused natural rubber green composite", <i>Journal of Optoelectronic and Biomedical Materials</i> Vol. 10, No. 1, pp. 21 – 28. ISSN 2066-0049.</p>

CONFERENCE DETAILS

Comparitive analysis of scanning electron micro –scope (SEM) with ECAP using different ratios in the National Conference on Comtemporary research in advanced materials science at Karpaga vinayaga college of engineering and technology, Chennai on 5th February 2016.

“Studies on mechanical & tribological properties of Al6061/B4C/TiC hybrid composite ” in international National Conference on innovations in engineering and management at J.N.N Institute of Engineering ,Chennai on 18th may 2019.

Fabrication and Characterization of Aluminum (Al-6061) Matrix Composite Reinforced with B4C/Gr in the National Conference,Chennai at Sri Venkateswara institute of science and technology,Chennai at 28th March 2018.

Studies on fabrication of lightweight materials based on MgO for biomedical applications in the international National Conference on 28.3.22 to 29.3.22 at CIT,Chennai

ACHIEVEMENT DETAILS

NIL

PATENTS FILED

NiL