

Dr. Bharath V

<https://orcid.org/0000-0001-6765-4728>

Also known as

V Bharath; Bharath V ; Bharath Vedashantha Murthy

Websites & Social Links

Google scholar Profile (<https://scholar.google.co.in/citations?user=iRJisQcAAAAJ&hl=en>)

Country

India

Keywords

MMC'S, Mechanical Properties, Ceramics, Wear, Characterization, Al₂O₃, Al₂₀₁₄/Al₆₀₆₁, B₄C and SiC;, Diffusion Bonding

Other IDs

Scopus Author ID: 57204577768 ([http://www.scopus.com/inward/authorDetails.url?](http://www.scopus.com/inward/authorDetails.url?authorID=57204577768&partnerID=MN8TOARS)

[authorID=57204577768&partnerID=MN8TOARS](http://www.scopus.com/inward/authorDetails.url?authorID=57204577768&partnerID=MN8TOARS))

ResearcherID: R-6746-2017 (<http://www.researcherid.com/rid/R-6746-2017>)

SciProfiles: 1657406 (<https://sciprofiles.com/profile/1657406>)

Email

bharathv88@gmail.com

Biography

Dr. Bharath V is currently working as a Assistant Professor in Department of Mechanical Engineering, RNS Institute of Technology, Bengaluru-560098, Karnataka, India. He done his BE (Mechanical Engineering) from Kalpataru Institute of Technology, Tiptur (T), Tumakuru, Karnataka, India and M.Tech (Manufacturing Science and Engineering) from Siddaganga Institute of Technology, Tumakuru, Karnataka, India and Ph.D. (Mechanical Engineering Science) in Siddaganga Institute of Technology, Tumakuru and also worked as a Assistant Professor and Head, Department of Mechatronics Engineering (2021-2022), Sri Venkateshwara College of Engineering, Bengaluru, Karnataka, India and also worked as a Assistant Professor in the Department of Mechanical Engineering, Brindavan College of Engineering, Bangalore, for the period of seven years (2012-2019) and as a Research Assistant (2019-2021) in Department of Mechanical Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, India.

He received a Best Research paper award in International Conference on Futuristic Trends in Mechanical Engineering PRESIDENCY UNIVERSITY, Bengaluru, India, 2020 in association with UCSI UNIVERSITY, Kuala Lumpur, Malaysia. 11th and 12th September 2020 and one more Best Research paper award in International Conference on Smart & Sustainable Developments in Materials, Manufacturing & Energy Engineering" (SME-2019), NITTE, karkala, Udupi (District), Karnataka, India. 23rd -24th May-2019.

Since 2012, his 26 research papers have been published in International peer-reviewed Journals and he has presented 12 research papers in national and international conferences organized at various engineering colleges all over the country. His research papers are having more than 450 plus Google Scholar Citations. He guided more than 10 UG and 03 PG projects. 15 international journal papers were reviewed, as a reviewer.

Employment (4)

RNS Institute of Technology: Bengaluru, Karnataka, IN

2022-10-06 to present | Assistant Professor (Mechanical Engineering)

Employment

Source:Dr. Bharath V

Sri Venkateshwara College of Engineering: Bangalore, Karnataka, IN

2021-09-30 to 2022-09-12 | Assistant Professor (Mechanical Engineering/Mechatronics Department)

Employment

Source:Dr. Bharath V

Siddaganga Institute of Technology: TUMKURU, Karnataka , IN

2019-08-03 to 2021-03-30 | Research Scholar (Mechanical Engineering Dept)

Employment

Source:Dr. Bharath V

Brindavan college of Engineering: Bengaluru, Karnataka, IN

2012-09-03 to 2019-07-25 | Assistant Professor (Department of Mechanical Engineering)

Employment

Source:Dr. Bharath V

Education and qualifications (3)

**Siddaganga Institute of Technology: Tumakuru,
Karnataka, IN**

2015-04-18 to 2021-02-26 | Ph. D (Mechanical Engineering
Dept)

Education

Source:Dr. Bharath V

**Siddaganga Institute of Technology: Tumakuru,
Karnataka, IN**

2010 to 2012 | M. Tech(Manufacturing Science and Engineer
ing) (Mechanical Engineering Dept)

Education

Source:Dr. Bharath V

**Kalpataru Institute of Technology: Tiptur (T), Tumakuru,
Karnataka, IN**

2006 to 2010 | UG (Mechanical Engineering)

Qualification

Source:Dr. Bharath V

Invited positions and distinctions (3)

**Institution of Engineers: 36th Indian Engineering
Congress Centenary Celebration-New Delhi, Vigyan
Bhawan, IN**

2021-12-26 | Institution Prizes-National Level Best RESEAR
CH PAPER AWARD (Mechanical Engineering)

Distinction

Source:Dr. Bharath V

Presidency University: Bangalore, Karnataka, IN

2020-09-12 | Best Research paper award in association with
UCSI UNIVERSITY, Kuala Lumpur, Malaysia (Mechanical E
ngineering)

Distinction

Source:Dr. Bharath V

Nitte University: Mangalore, Karnataka, IN

2019-05-24 | Best Research paper award (Mechanical Engi
neering)

Distinction

Source:Dr. Bharath V

Membership and service (2)

Institute for exploring Advances in Engineering(IEAE) :**Bangalore, Karnataka, IN**

| Professional (Mechanical Engineering)

Membership

Source:Dr. Bharath V**Institute for Engineering Research and Publication:****Chennai, Tamilnadu, IN**

| Professional Member (Mechanical Engineering)

Service

Source:Dr. Bharath V**Works (30 of 30)**

Al2014–Alumina Aerospace Composites: Particle Size Impacts on Microstructure, Mechanical, Fractography, and Wear Characteristics*ACS Omega*

2023-03-27 | journal-article

DOI: 10.1021/acsomega.3c01163

Source:Crossref**Microstructural Evolution in Nonvacuum Solid-State Diffusion Bonded Joints of AA2219***Advances in Materials Science and Engineering*

2023-01-31 | journal-article

DOI: 10.1155/2023/5176219

Source:Crossref**Microstructure, physical, tensile and wear behaviour of B4C particles reinforced Al7010 alloy composites***Manufacturing Review*

2023 | journal-article

DOI: 10.1051/mfreview/2023001

Source:Crossref**Synthesis, Microstructural Characterization, Mechanical, Fractographic and Wear Behavior of Micro B4C Particles Reinforced Al2618 Alloy Aerospace Composites***Frattura ed Integrità Strutturale*

2022-09-22 | journal-article

DOI: 10.3221/IGF-ESIS.62.27

Source:Crossref

Influence of Ceramic Particle Size and Weight Percentage on the Mechanical Behavior and Tensile Fractography of Boron Carbide Reinforced Al2618 Alloy Composites

Journal of Failure Analysis and Prevention

2022-06-23 | journal-article

DOI: 10.1007/s11668-022-01434-5

Part of ISSN: 1547-7029

Part of ISSN: 1864-1245

Source:Dr. Bharath V

Microstructural Evolution, Tensile Failure, Fatigue Behavior and Wear Properties of Al2O3 Reinforced Al2014 Alloy T6 Heat Treated Metal Composites

Materials

2022-06-15 | journal-article

DOI: 10.3390/ma15124244

Source:Crossref

Mechanical and Wear Characterisation of Boron Carbide Particles Reinforced Al2030 Alloy Composites Developed by Two Stage Stir cast Method

Advances in Materials and Processing Technologies

2022-05-24 | journal-article

DOI: 10.1080/2374068x.2022.2072084

Part of ISSN: 2374-068X

Part of ISSN: 2374-0698

Source:Dr. Bharath V

Microstructure and tensile behaviour of B₄C particles reinforced Al6061 matrix composites

Materials Today: Proceedings

2022 | journal-article

DOI: 10.1016/j.matpr.2021.11.188

EID: 2-s2.0-85127444173

Part of ISSN: 22147853

Source:Dr. Bharath V via Scopus - Elsevier

Machining of Hard-to-Cut Materials: Impact of Varying Weight Proportion of Boron Carbide Particle Addition on Cutting Force and Surface Roughness of Al6061

Journal of Materials Engineering and Performance

2021-12-02 | journal-article

DOI: 10.1007/s11665-021-06480-y

Part of ISSN: 1059-9495

Part of ISSN: 1544-1024

Source:Dr. Bharath V

Microstructure, tensile and compression behaviour of B4C particles reinforced Al7075 matrix composites

Materials Today: Proceedings

2021-11 | journal-article

DOI: 10.1016/j.matpr.2021.11.008

Part of ISSN: 2214-7853

Source:Dr. Bharath V

Microstructure, tensile and impact behaviour of Si3N4 particles reinforced Al2024 matrix composites

Materials Today: Proceedings

2021-11 | journal-article

DOI: 10.1016/j.matpr.2021.11.224

Part of ISSN: 2214-7853

Source:Dr. Bharath V

Mechanical characterization and fractography of 100 micron sized silicon carbide particles reinforced Al6061 alloy composites

Metallurgical and Materials Engineering

2021-10-04 | journal-article

DOI: 10.30544/639

Part of ISSN: 2217-8961

Source:Dr. Bharath V

Microstructural and Wear Behavior of Al2014-Alumina Composites with Varying Alumina Content

Transactions of the Indian Institute of Metals

2021-09-21 | journal-article

DOI: 10.1007/s12666-021-02405-4

Part of ISSN: 0972-2815

Part of ISSN: 0975-1645

Source:Dr. Bharath V

Fractographic characterization of Al₂O₃p particulates reinforced Al2014 alloy composites subjected to tensile loading

Frattura ed Integrità Strutturale

2021-06-22 | journal-article

DOI: 10.3221/igf-esis.57.02

Part of ISSN: 1971-8993

Source:Dr. Bharath V

Development and Mechanical Characterisation of Al6061-Al₂O₃-Graphene Hybrid Metal Matrix Composites

Journal of Composites Science

2021-06-10 | journal-article

DOI: 10.3390/jcs5060155

Source:Crossref

Evaluation of Wear Properties of Heat-Treated Al-AIB2 in-situ Metal Matrix Composites

Journal of Bio- and Tribo-Corrosion

2021-06 | journal-article

DOI: 10.1007/s40735-021-00476-w

Part of ISSN: 2198-4220

Part of ISSN: 2198-4239

Source:Dr. Bharath V

Impact of Alumina Particulates Addition on Hardness and Wear Behaviour of 2014 Al Metal Matrix Composites by Vortex Method

IOP Conference Series: Materials Science and Engineering

2021-01-01 | journal-article

DOI: 10.1088/1757-899x/1013/1/012018

Part of ISSN: 1757-8981

Part of ISSN: 1757-899X

Source:Dr. Bharath V

Microstructure Evaluation of Si₃N₄ reinforced Al6082 Composites subjected to Severe Plastic Deformation

IOP Conference Series: Materials Science and Engineering

2021-01-01 | journal-article

DOI: 10.1088/1757-899x/1013/1/012019

Part of ISSN: 1757-8981

Part of ISSN: 1757-899X

Source:Dr. Bharath V

Effect of micro graphite particles on the microstructure and mechanical behavior of aluminium 6061 (Al-Mg-Si) alloy composites developed by novel two step casting technique

Journal of Metals, Materials and Minerals

2021 | journal-article

DOI: 10.14456/JMMM.2021.17

Source:Dr. Bharath V

Assessing Grain Refining Performance of Al–4B Master Alloys Produced Under Different Processing Conditions

Journal of The Institution of Engineers (India): Series D

2020-06-13 | journal-article

DOI: 10.1007/s40033-020-00207-4

Source:Crossref

Experimental Investigations on Mechanical and Wear Behaviour of 2014Al–Al₂O₃ Composites

Journal of Bio- and Tribo-Corrosion

2020-06 | journal-article

DOI: 10.1007/s40735-020-00341-2

Source:Crossref

Mechanical Characterization and Fractography of Al₇₀49-B₄C Metal Composites

Structural Integrity and Life

2020-04-21 | journal-article

Source:Dr. Bharath V

Influence of alumina percentage on microstructure, mechanical and wear behaviour of 2014 aluminium-alumina metal matrix composites

Jurnal Tribologi

2020 | journal-article

EID: 2-s2.0-85087084068

Part of ISBN: 22897232

Source:Dr. Bharath V via Scopus - Elsevier

Influence of Variable Particle Size Reinforcement on Mechanical and Wear Properties of Alumina Reinforced 2014Al Alloy Particulate Composite

FME Transactions

2020 | journal-article

DOI: 10.5937/fme2004968B

EID: 2-s2.0-85095826395

Part of ISBN: 2406128X 14512092

Source:Dr. Bharath V via Scopus - Elsevier

Mechanical characterization and fractography of AL7049-B4C metal composites, Karakterizacija mehaničkih osobina i fraktografija AL7049-B4C metalnih kompozita

Structural Integrity and Life

2020 | journal-article

EID: 2-s2.0-85103291789

Part of ISSN: 18207863 14513749

Source:Dr. Bharath V via Scopus - Elsevier

Characterization and Mechanical Properties of 2014 Aluminum Alloy Reinforced with Al₂O₃p Composite Produced by Two-Stage Stir Casting Route

Journal of The Institution of Engineers (India): Series C

2019-04 | journal-article

DOI: 10.1007/s40032-018-0442-x

Source:Crossref

Optimization of process parameters on thrust force and delamination factor in drilling of carbon fiber reinforced composites

International Journal of Mechanical and Production

Engineering Research and Development

2018 | journal-article

DOI: 10.24247/ijmperdapr201866

EID: 2-s2.0-85043786496

Part of ISSN: 22498001 22496890

Source:Dr. Bharath V via Scopus - Elsevier

**Microstructure and Mechanical Properties of Cu-Coated
Al₂O₃ Particulate Reinforced 6061
Al Metal Matrix Composite**

Materials Today: Proceedings

2017 | conference-paper

DOI: 10.1016/j.matpr.2017.08.060

EID: 2-s2.0-85031812734

Part of ISBN: 22147853

Source:Dr. Bharath V via Scopus - Elsevier

**Preparation of 6061Al-Al₂O₃ MMC's by Stir Casting
and Evaluation of Mechanical and Wear Properties**

Procedia Materials Science

2014 | journal-article

DOI: 10.1016/j.mspro.2014.07.151

Part of ISSN: 2211-8128

Source:Dr. Bharath V

**Studies on dry sliding wear characteristics of ceramic
Al₂O₃ particulate reinforced
6061Al matrix composites**

Advanced Materials Research

2014 | book

DOI: 10.4028/www.scientific.net/AMR.984-985.319

EID: 2-s2.0-84905656771

Part of ISBN: 16628985 10226680

Source:Dr. Bharath V via Scopus - Elsevier

Peer review (1)

• review activity for **Materials. (4)**

Record last modified Mar 27, 2023, 1:46:22 PM