Dr. Shivasiddaramaiah A G

Assistant Professor, Department of Mechanical Engineering
Contact: 9448175427
Email: agshivasiddaramaiah@sit.ac.in
Vidwan ID: 91173
Scopus ID: 56872912000
OrcID: 0000-0002-4736-4616
Faculty ID: SIT0218

Education

	Degree	Year	Institute	Specialization
1	BE	2004	Siddaganga Institute of Technology	Mechanical Engineering
2	M.Tech	2007	Government Tool Room and Training Centre, Rajajinagar, Bangalore	Tool Engineering
3	PhD	2017	Visvesvaraya Technological University	Mechanical Engineering Science

Professional Experience

	Date (from-to)	Designation	Organization
1	03-08-2009 to - 31-12-2010	Lecturer	Siddaganga Institute of Technology
2	01-01-2011 to till date	Assistant Professor	Siddaganga Institute of Technology

Positions held

- Department Manual Coordinator
- IDEA Lab (Tech Guru)
- Member for skill development
- Practical examination allotment coordinator
- KSCST Projects Department Coordinator
- BOE Member
- BOS Member
- Agricultural and Industrial Exhibition held at SS Math Coordinator
- Department Alumni Coordinator
- DAAC Member

- NBA Criteria 1 Coordinator
- Department Curriculum design committee member in Material Science and Manufacturing group
- Department Research Committee Member
- Department Quality Assurance Committee Member
- Department sports coordinator

Affiliations of Professional organizations

- The Institution of Engineers (India)
  Member (M-153548-4)
- SAE INDIA Member Membership Number 7180110010

Courses Taught

Undergraduate Courses

- Production Operation Management
- Industrial Engineering and Ergonomics
- CAD/CAM & Automation
- Computer Integrated Manufacturing
- Non-Traditional Machining
- Automobile Engineering
- Smart Materials and MEMS
- Engineering Economics
- FMES
- Tool Engineering
- Rapid Prototyping and MEMS
- Metal Additive Manufacturing and Additive Engineering
- Jigs and Fixtures
- Samskruthika Kannada
- CAD / CAM & CIM
- Digital Manufacturing

Postgraduate Courses

- Rapid Prototyping

Research Areas

- Advanced Materials
- Tool Engineering
- Additive Manufacturing

Publications

Journals

- Effect of CNC End Milling Parameters on Cu–Al–Mn Ternary Shape Memory Alloys Using Taguchi Method, N. Praveen, U. S. Mallik, A. G. Shivasiddaramaiah, N. Nagabhushana, C. Durga Prasad & Shanthala Kollur , Journal of The Institution of Engineers (India): Series D, 2024, 105(3), pp. 1683–1693

- Effect of Aging Temperature on Microstructure, Hardness and Thermal Property of AA7085 Alloy, A. G. Shivasiddaramaiah, L. Shivaramu, U. S. Mallik & R. Suresh, Journal of The Institution of Engineers (India): Series D, Volume 105, pages 1857–1863, (2024)

- Synthesis and Wire EDM Characteristics of Cu–Al–Mn Ternary Shape Memory Alloys Using Taguchi Method, N. Praveen, U. S. Mallik, A. G. Shivasiddaramaih, R. Suresh, C. Durga Prasad, L. Shivaramu , Journal of The Institution of Engineers (India): Series D, Volume 105, pages 1187–1200, (2024)

- Machinability Study of Cu-Al-Mn Shape Memory Alloys using Taguchi Method, N. Praveen, U. S. Mallik, A. G. Shivasiddaramaiah, Rajashekhar Hosalli, C. Durga Prasad, Saravana Bavan, Journal of The Institution of Engineers (India): Series D, Volume 106, pages 231–243, (2025)

- Design and Analysis of Shape Memory Alloys using Optimization Techniques, N Praveen, , U S Mallik, , A G Shivasiddaramaih, , R. Suresh, , L. Shivaramu, , C Durga Prasad, Manish Gupta, Advances in Materials and Processing Technologies Volume 10, 2024 - Issue 3

- Analysis of cutting force, feed force and surface roughness of Cu-Al-Mn shape memory alloys under CNC turning, N. Praveen, , U.S. Mallik, A.G. Shivasiddaramaiah, International Journal of Machining and Machinability of Materials (IJMMM), Vol. 24, No. 6, 2022

- Characterization and Evaluation of Shape Memory Effect of Cu-Zn-Al Shape Memory Alloy, Lokesh N, U S Mallik, Shivasiddaramaiaha A G, Mohith T N and Praveen, Journal of Mines, Metals and Fuels, 70(8A): 1-479; 2022. DOI: 10.18311/jmmf/2022/31993

- Synthesis and evaluation of mechanical properties of Cu-Al-Be-Mn quaternary shape memory alloys, Shivasiddaramaiah A.G, Manjunath S.Y, Singh Prashant, Mallikarjun U.S, International Journal of Applied Engineering ResearchVolume 10, Issue 55, Pages 3819 – 38242015

- Study on corrosion behaviour of Cu-Al-Be-Mn quaternary shape memory alloy at room temperature, Shivasiddaramaiah A.G, Ravidas B R D, Singh Prashant,

Mallikarjun U.S, International Journal of Applied Engineering ResearchVolume 10, Issue 55, Pages 3825 – 38302015

CONFERENCE PAPERS

- A study on material removal rate of Cu-Al-Mn shape memory alloys in WEDM, N. Praveen, U.S. Mallik, A.G. Shivasiddaramaiah, G.N. Narendra Reddy, Materials Today: Proceedings, Volume 46, Part 7, 2021, Pages 2770-2774

- Evaluation of wear characteristics of PP/MWCNT nanocomposites,C.Poornima,U.S.Mallik, A.G. Shivasiddaramaiah, N. Pushpalakshmi, B.S. Puneeth, 2021, 46, pp. 2477–2482

- Synthesis and Evaluation of Shape Memory Effect of Cu-Al-Ni Shape Memory Alloys, N Lokesh,U S Mallikarjun, A G Shivasiddaramaiah , AIP Conference Proceedings 2274, 030017 (2020)

- Synthesis and Evaluation of Machining Characteristics of Cu-Al-Mn Ternary Shape Memory Alloys Using CNC Wire Electric Discharge Machining, N Praveen, U S Mallik, L Shivaramu, A G Shivasiddaramaiah, R Suresh. S Prashantha

- Synthesis and Evaluation of Biocompatibility of Cu-Al-Mn Shape Memory Alloy, Arunabha Majumder, Vybhavi Shivakumar, A.G. Shivasiddaramaiah C. Shashishekar, U.S. Mallikarjuna, K.B. Roopa, Materials Science Forum Submitted: 2018-09-08 ISSN: 1662-9752, Vol. 969, pp 380-385, 2019 Trans Tech Publications Ltd, Switzerland

- Corrosion Behaviour of Cu-Al-Be Based Shape Memory Alloy with and Without Coating, Prashantha S, Shivasiddaramaiah.A.G ,U S Mallikarjun, Materials Today: Proceedings 17 (2019) 147–154

- Evaluation of Biocompatibility of Cu-Al-Be-Mn Quaternary Shape Memory Alloys Using Antibacterial Test by AGARWELL Diffusion Method, Materials Today: Proceedings 17 (2019) 61–69

- Preparation and evaluation of ageing effect of Cu-Al-Be-Mn shape memory alloys, AIP Conference Proceedings 1943, 020081 (2018)

- Synthesis and Evaluation of Fracture Behaviour of Cu-Al-Be-Mn Quaternary Shape Memory Alloy, A. G Shivasiddaramaiah, U.S.Mallikarjun, Jeevan c, S.Prashantha, Materials Today: Proceedings 5 (2018) 24457–24465

- Evaluation of Biocompatibility of Cu-Al-Be-Mn Quaternary Shape Memory Alloy, A G Shivasiddaramaiaha, U S Mallikarjun, Praveen N, Prashantha S, C. Anupama, Materials Today: Proceedings 5 (2018) 24799–24808,

- Damping Characteristics of Cu-Al-Be-Mn Quaternary Shape Memory Alloys, A. G Shivasiddaramaiah, U.S.Mallikarjun, Shivaramu L, Prashantha S, Materials Today: Proceedings 4 (2017) 8948–8953

- Evaluation of Shape memory effect and Pseudo elastic effect of Cu-Al-Be-Mn Quaternary shape memory alloys, A.G Shivasiddaramaiah, U.S Mallik, Jayanth v, Prashanth S, Materials Today: Proceedings 4 (2017) 10109–10112

- Evaluation of Shape Memory Effect and Wear Properties of Cu-Al-Be Shape Memory Alloys, S Prashantha,S M Shashidhara, U S Mallikarjun, Shivasiddaramaiah A G, Materials Today: Proceedings 4 (2017) 10123–10127

- Evaluation of Shape Memory Effect and Wear Characteristics of Cu-Al-Be-Mn Quaternary Shape Memory Alloys,A G Shivasiddaramaiah, U.S Mallik, Krishnakanth C, Prashantha S, Materials Today: Proceedings 4 (2017) 10099–10103

- Effect of Ageing on Damping Characteristics of Cu-Al-Be-Mn Quaternary Shape Memory Alloys, Shivaramu L, A G Shivasiddaramaiah, U.S Mallik, Prashantha S, Materials Today: Proceedings 4 (2017) 11314–11317

- A Study on Machining Characteristics of Al6061-Sic Metal Matrix Composite through Wire – Cut Electro Discharge Machining, Prashantha S, Veeresha R B, S M Shashidhara, Mallikarjun U S, Shivasiddaramaiah.A.G, Materials Today: Proceedings 4 (2017) 10779–10785

- Evaluation of corrosion behavior of Cu-Al-Be-Mn quaternary shape memory alloys, A.G Shivasiddaramiah, U.S Mallik, Ranjit Mahato, C. Shashishekar, Materials Today: Proceedings 4 (2017) 10971–10977

- Wear Behaviour of Cu-Al-Be-Mn Shape Memory Alloys by Using Taguchi Technique, A.G Shivasiddaramiah*, U.S Mallik, Krishnakanth C, Prashanth S, Materials Today: Proceedings 4 (2017) 11168–11174