

Siddaganga Institute of Technology, Tumkur 572103

An autonomous institute, Affiliated to VTU, Belagavi, Approved by AICTE, Programmes Accredited by NBA

Department of Mechanical Engineering

Name: Dr. U.S.Mallik							
Designation: Professor							
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Mob. N	No.: +91 94	448166621					
Addres	s : Dr. U.	S.Mallikarjun					
Profess	or, Depart	ment of Mechanical Engineer	ring			1	
S.I.T, T	umkur – S	572103, Karnataka, India				C	
Educat	tional	Ph.D. Advanced Mat	terials (Shape Men	nory A	Alloys), I.I.T.Mad	lras, Chennai	
Oualifi	cation	• M.E., Dept. of Mech	anical Engineering	, U.V	.C.E, Bangalore U	Jniversity	
Quaim	cation	• B.E., in Mechanical	Engineering, S.I.T.	, Tum	nkur, Bangalore U	niversity	
Experi	ence	Teaching	36 Years				
		Shape Memory Alloys		Adv	anced Materials		
Areas of	of	Smart Materials		Fati	gue Failure of Ma	terials	
Resear	ch	Structure Property Correlation	ons	B10-	-Materials		
Interes	t	Hybrid Composites		Shaj	pe Memory Polyn	ners	
	-	Nano Materials		Cor	rosion of Material	S	
		Shape Memory Composites		Adv	anced Manufactu	ring Processe	es
			st of Funded Proj	ects			
CI		Title of Drois of	<u>Cu angarin a</u>		A	Dungtion	Duccon4
SI. No		The of Project	Organization		in Lakhe	Duration	Fresent Status
1	Corrosio	n Behavior of Turbine	GTRE DRDO	1		Two	Completed
1	Rlade M	aterials	Ministry of Defer	ice	07.55	Vears	Completed
	Didde Ivi		Bangalore			i cai s	
2	Svnthesi	s and Characterization of	Visvesvarava		12.00	Two	Completed
	Cu-Al-M	In shape memory alloys for	Technological			Years	- I
	its Damp	bing characteristics in	University, Belga	um			
	Superela	stic range					
3	Setting u	p of the state of the art	K-FIST, Govt of		20.00	Two	Completed
	material	characterization lab for	Karnataka			Years	
	M.Tech(MSE)					
4	"High Te	emperature Superconducting	CPRI		09.50	Two	Completed
	Energy S	storage technique for use in	Bangalore			Years	
	Distribut	ed Generation System					
	(Flywhee	el Energy Storage System)			00.00		0 1 1 1
5	Moderni	zation and Removal of	AICTE		08.00	One Year	Completed
Obsolescence Scheme [MODROBS]		New Delni	:1	76.00	True	Commissional	
0	6 To develop the Innovative Product		Karnataka Counc	11	/6.00	I WO Vacana	Completed
	Solutions	s for common problems	Ior recinological	l rt of		rears	
faced by common man.		Upgradation, Gov	/1. 01				
"Strengthening the R and D Centre		Karnataka.					
	Engineer	ing"					
7	Idea Dev	velonment Evaluation and	AICTE		100.64	Three	Completed
/	Applicat	ion I ab [IDFA I ab]	New Delhi		109.04	Vears	Completed
	Application Lab. [IDEA Lab.] New Denni Tears						

Research	M.Tech	25		
Guidance	Ph.D	Awarded : 07 Pu	arsuing : 03	
	International Referee	ed Journals		75
Publications	International Conferences			25
	National Conferences			10
Professional Memberships	 Life Member of Indian Society of Technical Education (M.I.S.T.E). Life Member of Indian Institute of Metals (M.I.I.M). Life Member of Institution of Smart Structures and Systems (M.I.S.S.S). Fellow of Institution of Engineers India (F.I.E). Life Member for Society for failure Analysis (M.S.F.A) 			
Subjects Taught for UG and PG	1. Computer Aided Engineering Drawing 2. Materials Science and Engineering 3. Engineering Materials9. Production and Operations Managemer 10. Mechanical Engineering Science 11. Production Technology 12. Foundry Technology 13. Advanced Processing of Materials 6. Measurements and Metrology 7. Manufacturing Process-I, II, III 8. Machine Drawing9. Production and Operations Managemer 		Management ience terials S	

Work Experience:

Sl. No.	Organisation	Designation	Duration	Years
1	S.I.T, Tumkur	Lecturer	1989 to 1997	8-Years
2	-do-	Senior Lecturer	1997 to 2002	5-Years
3	-do-	Asst. Professor	2002 to 2007	5-Years
4	-do-	Professor	From 2007	Present
5	-do-	Professor and Dean (Academic)	2007 to 2010	3-Years
6	-do-	Professor and Head of Department	2010 to 2013	3-Years
7	-do-	Professor and Co-ordinator IQAC	2018 to 2023	5-Years
8	-do-	Professor and Head of Department	2023 to 2025	2-Years
			Superannuated	
9	-do-	Professor Emeritus	From 2025	Present

<u>Personal Details :</u>				
Name	: Dr. U.S.Mallik			
Date of Birth	: 01-05-1965			
Religion	: Hindu			
Nationality	: Indian			
Address	:			
Permanent :	Office :			
Dr. U.S.Mallikarjun	Professor and Head			
"Shivakrupa"	Dept. of Mechanical Engineering			
II Main, II Cross	Siddaganga Institute of Technology			
Jayanagara East	Tumkur – 572103			
Tumkur-572102.	Karnataka			

<u>Conferences, Faculty Development Workshops organised and Member of other</u> <u>academic activities:</u>

- 1. **Organizing Committee Member** for organizing "International Symposium for Research Scholars (ISRS-2006)", December 18-20, 2006, I.I.T. Madras, Chennai.
- 2. **Organizing Committee Member** for organizing International Conference "FDM-NMD-ATM 2005", November 12-16, 2005, I.I.T. Madras, Chennai.
- 3. **Organized** AICTE sponsored staff development program on "Advanced Materials and Materials Processing" at SIT, Tumkur, Karnataka during 8th to 13th June, 2009.
- 4. **Organized** VTU, Belgaum sponsored staff development program on "Materials and Processing" at SIT, Tumkur, Karnataka during 14th to 18th Dec, 2009.
- Convener for International Conference on "Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT-2010]" organized at SIT, Tumkur, Karnataka during 18th and 19th Nov 2010.
- 6. **Organized** AICTE sponsored staff development program on "The World Today and Tomorrow-The Energy Challenge" at SIT, Tumkur, Karnataka during 20th June to 2nd July, 2011.
- Chairman, Organizing Committee for International Conference on "Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT-2013]" organized at SIT, Tumkur, Karnataka during 3rd and 4th May 2013.
- Convener, Organizing Committee for International Conference on "Advanced Materials, Manufacturing, Management and Thermal Sciences [AMMMT-2016]" organized at SIT, Tumkur, Karnataka during 23rd and 24th Sep 2016.
- 9. Elsevier Publications has awarded as Recognized Reviewer Status on 27th Sep 2016.
- 10. **Guest Editor** for Materials Today, Elsevier Publications and International Journal of Business and Systems Research (IJBSR), Inderscience Publications.
- 11. National Board of Accreditation Expert Committee Member.
- 12. **BOS and BOE member** for UVCE, Bangalore University, BMSCE, Bangalore, MCE, Hassan, SIT, Tumkur, BOS VTU nominee for Dr. AIT, Bangalore and BoS member, GCE, Krishnagiri, Tamilnadu.
- 13. **Governing Council member** of GMIT, Davanagere and SIET, Tumkur for two years.
- 14. Member of LIC Committee, VTU Belgaum.
- 15. **Honorary Secretary**, Institution of Engineers (India), Tumkur Local Center, Tumkur.
- 16. **Co-ordinator, SIT-AICTE IDEA Lab**, organised various FDPs in Advanced Manufacturing related topics.
- 17. Chaired many sessions in International Conferences and delivered invited lectures.
- 18. Delivered Invited Lecture on NBA accreditation and carried out mock NBA accreditation audit in few institutions.
- 19. Member of Institute Research Committee, Industry-Institute-Interaction Committee etc.

Research Papers published in international refereed journals:

Sl.No.	Particulars of the Paper and Journal	National/
		International
1.	"Influence of aluminum and manganese concentration on the shape memory	International
	characteristics of Cu-Al-Mn shape memory alloys", U.S.Mallik and V.Sampath,	
	Journal of Alloys and Compounds, Volume 459, Issue 1-2, 14 July 2008, Pages 142-	
2.	"Effect of composition and ageing on damping characteristics of Cu-Al-Mn shape	International
	memory alloys", U.S.Mallik and V.Sampath, Materials Science and Engineering:	
	A, Volume 478, Issues 1-2, 15 April 2008, Pages 48-55	T
3.	Effect of Alloying on Microstructure and Shape Memory Characteristics of Cu-Al-	International
	Engineering A. Vol. 481, 482, 95 May 2008, pp. 680, 680	
4	"Influence of Oustornary Alloying additions on Transformation Tomporatures and	International
4.	Shape Memory Properties of Cu-Al-Mn Shape Memory Alloy" U.S. Mallik and	memational
	V.Sampath, Journal of Alloys and Compounds, Volume 460, Issues 1-2, 5 February	
	2009. Pages 156-163.	
5.	"Evaluation of grain refinement and variation in mechanical properties of equal-	International
Ŭ	channel angular pressed 2014 aluminum alloy", C. Mallikarjuna, S.M. Shashidhara,	
	U.S. Mallik, .Materials & Design, Volume 30, Issue 5, May 2009, Pages 1638-1642.	
6.	"Effect of Small Additions of Boron on Shape Memory Properties and Grain	International
	Refinement of Cu-Al-Mn SMAs", Sampath.V and Mallik U S, TMS Annual Meeting,	
	Vol. 3, Year 2009, 181-188.	
7.	"Grain refinement and wear properties evaluation of aluminum alloy 2014 matrix-	International
	TiB_2 in-situ composites", C. Mallikarjuna, S.M. Shashidhara, U.S. Mallik,	
0	"CED Analysis for design optimization of reverse flow type evaluate some sense and	International
0.	International Journal of Machanical and Production Engineering Research and	International
	Development (LIMPERD) K V Sreenivasa Rao, R Suresh and U S Mallikariun	
	Vol.1, Issue 2, Dec 2011, 111-124.	
9.	"An investigation into use of Sodium Chloride crystals as an electrolytic medium in a	International
-	Dye sensitized Solar Cell", International Journal of Emerging Technology and	
	Advanced Engineering (IJETAE), Anupama .R.Hiremath and U.S.Mallikarjun,	
	Vol. 2, Issue 6, June 2012.	
10.	"An experimentation into the utilization of different materials for the purpose of dye	International
	absorption in a dye sensitized solar cells", International Journal of Emerging	
	Lechnology and Advanced Engineering (IJETAE), Anupama .K.Hiremath and	
11	"Correction behavior of Cu Zn Ni Shape Memory Alloys" Journal of Minorals and	International
11.	Materials Characterization and Engineering" S Satish and Dr. U.S. Mallik	memational
	2013.1.40-54.	
12.	"Characterization of Cu-Al-Be Shape Memory Alloys", IOSR Journal of Mechanical	International
	and Civil Engineering, S .Prashant & Dr. U S Mallikarjun ISSN: 2278-1684,	
	PP.01-06,Feb 2013.	
13.	Synthesis of Cu-Al-Be Shape Memory Alloys", BONFRING JOURNAL, S.Prashant	International
	& Dr. U S Mallikarjun ISBN 978-93-82338-03-1 Pg.No 01-05, July2012.	
14.	"Validation of NiTinol SMA Characteristics using Finite Element Analysis and	International
	Closed Form Solutions", Adarsh.S.H & Dr. U.S.Mallikarjun, Journal of Advanced	
	Materials Research, Vol.856 (2014) pp 147-152, Online available since 2013/Dec/06	
	doi:10.4028/www.scientific.net/AMP.856.147	
15	"Corrosion Behavior of Cu-Zn-Ni Shane Memory Allove" & Satish and Dr. U.S.	International
10.	Mallik, Journal of Minerals and Materials Characterization and Engineering 2012	manonai
	1, 49-54, published online in Sci Res, http://www.scirp.org/iournal/immce	
16.	"Microstructure and Shape Memory Effect of Cu-Zn-Ni Shape Memory Allovs".	International
	Journal of Minerals and Materials Characterization and Engineering, S.Satish and	
	Dr. U S Mallik, 2014, 2,71-77, published online March 2014 in Sci Res,	

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	http://www.scirp.org/journal/jmmce	
17.	"Effect of Ageing on Shape Memory Effect and Transformation Temperature in Cu-	International
	Al-Be Shape Memory Alloy", S.Prashanth, U.S.Mallik, Journal of Procedia	
	Materials Science 5 (2014) 567 – 574, Elsevier Publications.	
18.	"Preparation and Characterization of Cu-Al-Be Shape Memory Alloys with Cr as	International
	grain refining additive", S.Prashanth, U.S.Mallik, Journal of Applied Mechanics	
	and Materials, Vol. 592-594 (2014) pp 700-704. © (2014) Trans Tech Publications.	
	Switzerland doi:10.4028/www.scientific.net/AMM 502-504.700	
10	"Effect of variation in Applied Force on Transformation Temperatures of NiTinol	International
19.	SMAs" S H Adarsha and U S Mallik, Journal of Proceedia Materiala Science -	mermanonai
	(act 4) 607 - 500 Election Publications	
	(2014) 697 - 703, Elsevier Publications.	T 1 1' 1
20.	"Synthesis of Cu-Al-Be-Mn Shape Memory Alloys", A.G.Shivasiddaramaiah and	International
	U.S.Mallikarjun , Journal of Procedia Materials Science 5 (2014) 242 – 247,	
	Elsevier Publications.	
21.	"Effect of Grain Refinement on Shape Memory Properties of Cu-Al-Mn SMAs",	International
	U.S.Mallik and V.Sampath, Advanced Materials Research, Vol. 1101 (2015) pp 104-	
	10,© (2015) TransTech Publications,Switzerland,	
	doi:10.4028/www.scientfic.net/AMR.1101.104.	
22.	"Microstructure and Shape Memory Effect of Cu-Al-Be-Mn Quaternary Shape	International
	Memory Alloys ", Shivasiddaramaiah A.G., Prashant Singh, Manjunath S.Y., U.S.Mallikarjun,	
	Applied Mechanics and Materials Vols. 813-814 (2015) pp 213-217. © (2015) Trans Tech	
	Publications Sdoi:10.4028/www.scientific.net/AMM 813-814.23 Switzerland	
22	"Synthesis and Characterization of Cu-Al-Be-Mn Quaternary Shane	International
23.	Memory Allovs Prepared by Induction Melting Technique"	International
	Shivasiddaramaiah A.C. II S. Mallikariun and Preshantha S. Annlied Mechanics	
	Sinvasionaliania A.G. 0.5 Manikai jun and Frashannia S. Applieu Mechanics	
	Superand doi: 10.4028	
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24.	SYNTHESIS AND EVALUATION OF MECHANICAL PROPERTIES OF CU-AI-BE-	International
	MIN QUATERNARY SHAPE MEMORY ALLOYS", Shivasiddaramaiah.A.G,	
	Manjunath.S.Y, Prashant Singh, U.S.Mallikarjun, International Journal of Applied	
	Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015), © Research India	
	Publications; httpwww.ripublication.comijaer.htm	
25.	"Study on Corrosion Behaviour of Cu-Al-Be-Mn Quaternary Shape Memory Alloy At	International
	Room Temperature", Shivasiddaramaiah.A.G, Ravi Das B.R.D, Prashant Singh,	
	U.S.Mallikarjun , International Journal of Applied Engineering Research, ISSN 0973-4562	
	Vol. 10 No.55 (2015), © Research India Publications; http://www.ripublication.comijaer.htm	
26.	"Determination of transformation temperatures of SMAs by varying the force using	International
	dead weight method", Kiran D Jadhav, U S Mallikarjun, S H Adarsh, Prashantha S,	
	Applied Mechanics and Materials, ISSN: 1662-7482, Vols. 813-814, pp 166-171	
	doi:10.4028/www.scientific.net/AMM.813-814.166. © 2015 Trans Tech Publications.	
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97	"Mechanical and Morphological Studies of Al6061- Gr- SiC Hybrid Metal	International
-/•	Matrix Composites", Lokesh T. U. S. Mallikariun Applied Mechanics and	incomutonul
	Materials Vols 813-814 (2015) pp 195-202 @ (2015) Trans Tech Publications Switzerland	
	doi: 10/028/unuv scientific not/AMM 813/81/ 105	
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20.	Cu Al Do Shano Momony Alloyo with the Effort of Quatomous Elements"	International
	Cu-AI-De Shape Memory Anoys with the Effect of Quaternary Elements,	
	5. Prasnantna, 5. M. Snasnionara, U. 5. Mainkarjun , Snivasiooaramaian.A.G,	
	Applied Mechanics and Materials, 155N: 1662-7482, Vols. 813-814, pp 246-251,	
	aoi:10.4028/www.scientific.net/AMM.813-814.246, © 2015 Trans Tech	
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29.	"EFFECT OF GRAIN REFINEMENT ON SHAPE MEMORY PROPERTIES	International
	OF Cu-Al-Mn SMAs", U.S.Mallik and V.Sampath, Advanced Materials Research	
	Vol. 1101 (2015) pp 104-107, © (2015) Trans Tech Publications, Switzerland,	
	doi:10.4028/www.scientific.net/AMR.1101.104	
30.	"Experimental Investigation on Fracture Toughness of Cu-Al-Be Shape	International
	Memory Alloy", Prashantha S, Kalinga T, N. Manjunath Gowda, Mallik U. S. S.	
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31.	"Mechanical and Morphological Studies of Al6061- Gr- SiC Hybrid Metal	International
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	Switzerlan, doi:10.4028/www.scientific.net/AMM.813-814.195.	
32.	"Synthesis and evaluation of ageing effect on Cu–Al–Be–Mn	International
5=.	quaternary Shape Memory Alloys", A G Shiyasiddaramiah U.S. Mallik, S	intornational
	Devaraju S Prashantha Department of Mechanical Engineering Siddaganag	
	Institute of Technology, Tumakury 572-102, Karnataka India, Perspectives in	
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33.	Al Bo Mashano momory allows" A C Shiyasiddaramaiah U S Mallik I	international
	AI-De-Minishape memory anoys, A.G. Shivashularahlah, U.S. Manik, L.	
	Sinvaraniu, S. Prasnanuna, Depurtment of Mechanical Engineering, Siaaayanga	
	Science (2016) 9. 244 - 246 Electrica Dublications	
	Science (2016) 8, 244–246, Elsevier Publications.	T
34.	"Effect of Equal Channel Angular Pressing on the Microstructure and	International
	Mechanical Properties of Al6061-SiCp Composites", T Lokesh and U S	
	Mallik, Materials Science and Engineering, 149 (2016) 012119 doi:10.1088/1757-	
	899X/149/1/012119, IOP Publications.	
35.	"Effect of Equal Channel Angular Pressing on the Microstructure and	International
	Mechanical Properties of Hybrid Metal Matrix Composites", T. Lokesh and	
	U. S. Mallik, Indian Journal of Science and Technology, Vol 9(35), DOI:	
	10.17485/ijst/2016/v9i35/88443, September 2016.	
36.	"Shape Memory Polymers Synthesised For Controllable Switching	International
	Temperatures", Ranganatha Swamy MK, U S Mallikarjun, V Udayakumar,	
	Materials Today: Proceedings 4 (2017) 4 (2017) 11148–11153.	
37.	"Effect Of Ageing On Damping Characteristics Of Cu-Al-Be-Mn	International
	Quaternary Shape Memory Alloys", Shivaramu L, A.G Shivasiddaramaiah, U.S	
	Mallik, Prashantha S, Materials Today: Proceedings 4 (2017) 11314–11317.	
38.	"Damping Characteristics of Cu-Al-Be-Mn Quaternary Shape Memory	International
	Alloys", A.G Shivasiddaramaiah., U.S.Mallikarjun, Shivaramu L, Prashantha S,	
	Materials Today: Proceedings 4 (2017) 8948-8953.	
39.	"EVALUATION OF CORROSION BEHAVIOUR OF Cu-Al-Be-Mn	International
	QUATERNARY SHAPE MEMORY ALLOYS", A.G Shivasiddaramiah, U.S	
	Mallik, Ranjit Mahato, C. Shashishekar, Materials Today: Proceedings 4 (2017)	
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40.	"Wear Behaviour of Cu-Al-Be-Mn Shape Memory Alloys by Using	International
	Taguchi Technique", A.G Shivasiddaramiah, U.S Mallik, Krishnakanth C,	
	Prashanth S, Materials Today: Proceedings 4 (2017) 11168–11174.	
41.	"A Study on Machining Characteristics of Al6061-Sic Metal Matrix	International
	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.	
42.	"Evaluation of Shape memory effect and Pseudo elastic effect of Cu-Al-	International
-	Be-Mn Quaternary shape memory alloys", A.G Shivasiddaramaiah, U.S	
	Mallik, Jayanth V, Prashanth S, Materials Today: Proceedings 4 (2017) 10109-	
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43.	"Evaluation of Shape Memory Effect and Wear Characteristics of Cu-Al-	International
	Be-Mn Quaternary Shape Memory Alloys", A.G Shivasiddaramaiah, U.S	
	Mallik, Krishnakanth C, Prashantha S, Materials Today: Proceedings 4 (2017)	
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<u>44</u> .	"Evaluation of Shape Memory Effect and Wear Properties of Cu-Al-Be	International
ידי	Shape Memory Alloys", S. Prashantha, S. M. Shashidhara, U. S. Mallikariun	
	Shivasiddaramaiah.A.G. Materials Today: Proceedings 4 (2017) 10123–10127	
45	"Dry sliding wear behavior of Al/Gr/SiC hybrid metal matrix composites	International
-0-	by Taguchi techniques". Lokesh T. U. S. Mallik, Materials Today. Proceedings 4	-incontantional
	(2017) 11175–11180.	
46	"Effect of ECAP Process on the Microstructure and Mechanical	International
4~,	Properties of Al6061-Gr Composite ". T. Lokesh and U.S. Mallik. Materials	manomul
	Today Proceedings, Vol 5, Issue 1, Part 3, 2018, pp $2453 - 2461$	
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47.	"Preparation and Evaluation of ageing effect of Cu-Al-Be-Mn Shape Memory Alloys", A.G.Shivasiddaramaiah, U.S.Mallikarjun, Ranjit Mahato and C Shashishekar, AIP Conference Proceedings 1943, 020081 (2018): https://doi.org/10.1062/1.5020657	International
18	"Evaluation of Bio Compatibility of Cu-Al-Be-Mn Quaternary Shape	International
40.	Memory Alloy", A.G.Shivasiddaramajah, U.S.Mallikariun, N.Praveen.	International
	S.Prashantha, C.Anupama, Materials Today: Proceedings, Volume 5, Issue 11, Part	
	3, 2018, Pages 24799-24808.	
49.	"Synthesis and Evaluation of Fracture Behavior of Cu-Al-Be-Mn	International
	Ouaternary SMA ", A.G.Shivasiddaramaiah, U.S.Mallikariun, Jeevan,	
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50	"Corresion Rehavior of Cu-Al-Re Resol Shane memory Alloy with and	International
50.	without coating" Prashanth S Shivasiddaramajah A G U S Mallikariun	memational
	Materials Today Proceedings Volume17 part 1 2010 Pages 147-154	
	https://doi.org/10.1016/i.matpr.2019.06.412	
51.	"Synthesis and Characterization of Shape Memory Polymers", M K	International
Ū	Ranganatha Swamy, U S Mallikarjun , V Udayakumar, IOP Conference Series:	
	Materials Science and Engineering, 577 (2019)012095	
52.	"Evaluation of Biocompatibility of Cu-Al-Be-Mn Quaternary Shape	International
	Memory Alloys Using Antibacterial Test by AGARWELL Diffusion	
	Method", A.G.Shivasiddaramaiah, U. S. Mallik, Ranjith Mahato, C.Shashishekar,	
	Shivaramu L and Prashantha S, Materials Today: Proceedings , Volume 17, 2019,	
	Pages 61-69. https://doi.org/10.1016/j.matpr.2019.06.401 , ISSN: 2214-7853	
53.	"Synthesis and Evaluation of Biocompatibility of Cu-Al-Mn Shape	International
	Memory Alloy", Arunabha Majumder, Vybhavi Shivakumar, A.G.	
	Snivasiddaramaian, C. Snasnisnekar, U.S. Maliikarjuna, K.B. Roopa, Materials	
	Science Forum, issn: $1002-9/52$, vol. 909, pp 380-385, © 2019 Irans recipeling publications Ltd. SwitzerlandOnline: 2010, 08, 20	
	https://doi.org/10.4028/www.scientific.net/MSE.060.280. ISSN: 1662-9752	
54	"Synthesis and evaluation of shape memory effect of Cu-Al-Ni shape	International
54.	memory alloys". AIP Conference Proceedings 2274, 030017	International
	(2020): https://doi.org/10.1063/5.0022458, N. Lokesh, U. S. Mallikariun and A. G.	
	Shivasiddaramaiah, Volume 2274, Issue 1 > 10.1063/5.0022458	
55.	"Synthesis and evaluation of machining characteristics of Cu-Al-Mn	International
	ternary shape memory alloys using CNC wire electric discharge	
	machining", N. Praveen, U. S. Mallik, L. Shivaramu, A. G. Shivasiddaramaiah, R.	
	Suresh, and S. Prashantha, AIP Conference Proceedings, Volume 2247, Issue 1,	
	10.1063/5.0003846, https://doi.org/10.1063/5.0003846, Published Online: 16 July	
-(2020 Effect of DD and DD /MM/ONTE COOLI name, commonities on masherical	Intony of on ol
50.	Effect of PP and PP/MWCN1-COOH nano-composites on mechanical proportios" C. Poornimo, C. F. Povon Shoshodri, and U. S. Mollik, AID	International
	Conference Proceedings 2204, 040018 (2020): https://doi.org/10.1062/1.5141501	
	Published Online: 10. January 2020	
57.	"A study on material removal rate of Cu-Al-Mn shape memory alloys in	International
57.	WEDM", N.Praveen, U.S.Mallik, A.G.Shivasiddaramaiah, G.N.Narendra Reddy,	
	Materials Today: Proceedings, Volume 46, Part 7, 2021, Pages 2770-2774, June	
	2021, https://doi.org/10.1016/j.matpr.2021.02.555.	
58.	"Evaluation of wear characteristics of PP/MWCNT nanocomposites"	International
	C.Poornima, U.S.Mallik, A.G.Shivasiddaramaiah, N.Pushpalakshmi, B.S.Puneeth,	
	Materials Today: Proceedings, Volume 46, Part7, 2021, Pages 2477-2482,	
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