Curriculum Viate

Name: Srinath M S

D o B: 23-02-1974

Age: 51 years

Nationality: Indian

Present Address: Professor

Department of Mechanical Engineering,

Malnad College of Engineering, Hassan-573201, Karnataka

Mob: +91-8277421917; Email:srin

Email:srinadme@gmail.com

Educational Qualification:

Course/ Degree	Specialisation	College/Institute/University	Year of Passing
B.E.	Industrial & Production	PES College of Engineering / Mysore University	1995
M.Tech.	Advanced Manufacturing	NITK Surathkal, Karnataka	2003
Ph.D.	Manufacturing	IIT Roorkee, Roorkee	2011

Academic & Administrative Experience:

PES College of Engineering, Mandya	Temporary Lecturer	10-10-1997	14-08-1998
Bahubali College of Engineering, Shravanabelagola, Karnataka, India	Lecturer/Senior Lecturer Associate Professor	20-06-2000	30-09-2011
SDM College of Engineering and Technology, Dharwad, Karnataka, India	Associate Professor	16-11-2011	01-02-2012
Malnad College of Engineering, Hassan, Karnataka, India	Associate Professor	02-02-2012	30-04-2015
Malnad College of Engineering, Hassan, Karnataka, India	Professor, Mechanical Engineering	06-05-2015	26-04-2017
Malnad College of Engineering, Hassan, Karnataka, India	Professor, I & P Engineering	27-04-2017	31-07-2023



Haranahalli Ramaswamy Institute of	Director (Additional	25-05-2018	01-12-2020
Higher Education, Hassan	Charge)		
Malnad College of Engineering,	Dean Research	08-05-2023	09-02-2025
Hassan, Karnataka, India			
Malnad College of Engineering,	Professor and Head	10-08-2023	09-11-2024
Hassan, Karnataka, India	CS&BS Engineering		
Malnad College of Engineering,	Professor, Mechanical	10-02-2025	Till date
Hassan, Karnataka, India	Engineering		

Experience (in years)

Teaching experience	27 ½years,
Industrial experience	1 year, 10 months
Research Experience	12 years
Administrative experience	6 ½years

R & D Activity:

- i. Principal Coordinator for VGST (Government of Karnataka) sponsored project titled "Development of Cavitation Erosion Resistant Cladding through Microwave Energy" of worth Rs. 5,00,000.00 under the scheme Seed Money to Young Scientist for Research (SMYSR).
- ii. Completed **AICTE** approved project titled "Melting of Materials using Microwave Energy" as a Principal Investigator with research grant of Rs. **15,29,412.00.**
- iii. Completed MODROB project of Rs. **14,00,000/-** from AICTE, New Delhi, for upgrading CNC laboratory of the I & P E department in the year 2018-19.
- iv. VTU Sanctioned Research grants of Rs. **14,00,000**/- for the research project titled "Wear / Erosion behavioral study of metal matrix hybrid composites for automotive applications developed through microwave stir casting technique" in the year 2021-22.

Patents:

1. Indian Patent: Apurbba Kumar Sharma, Srinath M.S., Pradeep Kumar, "A Method of Joining of Bulk Metallic Materrials byMicrowave Hybrid Heating" Patent No. 309058.

- 2. Indian Patent: Srinath M.S., Amarendra H J, Shashank M Lingappa, "Metal Matrix / Hybrid Composites" Indian Patent, Patent No. 531424.
- 3. UK patent: Dr. A C Srinivas, Dr. Pakaj Kumar, Dr. Balaji Viswanathan, Dr. Manoj Ananda kumara, Dr. Kannan Vellingiri, Dr. Naveen Kumar C M, Dr. Srinath M S, Dr. Smitaprava Mishra "Mental Stress Monitoring Smart Ring" Design Number: 6338081, dated 08 January, 2024.

Awards:

Recipient of **Young Scientist for Research** (under SMYSR) for the year **2012-2013** from Vision Group on Science & Technology, Department of IT, BT and Science & Technology, Government of Karnataka.

Best Project guide award for UG project during the period 2012-2013 at MCE Hassan.

Awarded as Social Impact Personality by Wisdom Group of Institutions, Mangalore, 2024

Research Guidance:

M. Tech	MSc. Engg (Research)	Ph. D. Guidance	
		Awarded	Ongoing
10	01	07	01

Ph. D. Guidance

Name of the Candidate	Degree	Title of the research work	Universit y	Status
Gururaj M Gadad	Ph.D	Synthesis of seven bar linkage mechanism with variable topology mechanism for its robustness	VTU	Awarded 2015
Ajit Manohar Hebbale	Ph. D	Development and Characterization of cavitation erosion resistant cladding through Microwave Energy	VTU	Awarded 2018
Shashank Lingappa M	Ph. D	Melting of Metallic Materials using Microwave Energy and its Characterization	VTU	Awarded 2019
Sharath Chandra	Ph.D	Discrete Event Simulation and Dynamic Job Sequencing on Conveyors	VTU	Awarded 2021
Hemanth T S	Ph. D	Identification and Evaluation of Critical Elements in Metal Forming Operations using Manufacturing	VTU	Awarded

		Process Simulation		2021
Megha Anand	Ph. D	Design and Optimisation of Fatigue	VTU	Awarded
		analysis of welded joints and its validation		2023
Amit Kumar Advekar	Ph.D	Virtual Casting for Predicting the	VTU	Awarded
		Effect of Process Parameters in High Pressure Die Casting		2023
Honnaiah C	Ph.D	Development of Albased composites through Microwave sintering process	VTU	Awarded 2025

FDP/Workshop/Conferences Organised: 15; Skilling Program Conducted: 05

Sl.No.	Titleof the program	Duration	Year	Beneficiary
1.	National level Technical Fest "Ekhalavya" at BCE, S'belagola	3 days	2008	Students
2.	Zonal level Robotic workshop cum competition at BCE, S'belagola	2 days	2011	Students
3.	Zonal level workshop cum competition on Haptic Robotic Arm at MCE, Hassan	2 days	2012	Students
4.	FDP on Essential Skills for Mechanical Engineers, at MCE, Hassan	5 days	2014	Faculty
5.	FDP on Emerging Trends in Materials and Manufacturing Technology, at MCE, Hassan	5 days	2017	Faculty
6.	FDP on Advanced Manufacturing Processing Techniques, at MCE, Hassan	6 days	2018	Faculty
7.	Students Training Program on Digital Manufacturing as a part Twining activity, at MCE, Hassan	6 days	2018	PG students of Mentee Institute
8.	International Conference on Green Trends in Mechanical Engineering Sciences, at MCE, Hassan	3 days	2018	Students, Research Scholars and Faculty
9.	Students Training Program on Application of Latest Technologies in the area of Product Design at Design Innovation Centre, IIT Roorkee	5 days	2020	30 Students of I & P Engineering
10.	Online Webinar on Research Project	1 day	2021	75 Faculty

Other Achievements:

- 1. Instrumental in getting selected MCE for AICTE-IDEA Lab from AICTE with a grant of Rs.46,80,000/- and establishment of the same.
- 2. Involved in starting new Multidisciplinary UG program Computer Science and Business Systems in the year 2022 and having a MoU with TCS for academic support.
- 3. Involved in getting MoU between Malnad College of Engineering, Hassan and Federation University, Australia
- 4. Instrumental in getting MoU between Malnad College of Engineering, Hassan and Western Sydney University, Australia for collaborative and Twining Programs
- 5. Initiated to establish a "Centre of Excellence in Drone Technology" through MoU with Garuda Aerospace, Chennai.

Responsibilities Held:

- 1. Worked as Secretary ISTE-chapter, Bahubali college of Engg. Shravanabelagola, from 2003 to 2008 and won the Best student chapter award in the year 2008.
- 2. Worked as IIT Roorkee representative to conduct IIT-JEE exam at NIT Kurukshetra in the year 2009 and at Rhotak in the year 2010.
- 3. Worked as a member VTU squad team for VTU exams from the year 2004 to 2006.
- 4. Member BOE for autonomous UG program of Mechanical Engineering at MCE, Hassan
- 5. Member BOE and BOS for autonomous UG program in Industrial and Production Engineering, MCE, Hassan
- 6. Member BOE for autonomous PG program Computer Integrated Manufacturing of Mechanical Engineering at PESCE, Mandya
- 7. Member BOS for autonomous UG program in Industrial & Production Engineering at PESCE, Mandya
- 8. VTU nominated Member BOS for autonomous UG program in Computer Science and Business Systems at BMSCE, Bengaluru from 2024-2027.
- 9. VTU nominated Member IQAC for autonomous college Atria Institute of Technology, Bengaluru from 2024-2027.
- 10. Reviewer and session co-chair in production engineering stream at International conference on current trends in engineering and management, held at Vidya Vardhaka College of Engineering, Mysore, Karnataka, India, July 2012.
- 11. Worked as **expert member AICTE** to verify Jammu & Kashmir domicile students in the Haryana state Engineering colleges during 28th Feb. to 3rd March 2013

- 12. Worked as Mechanical Engineering Department Coordinator for TEQIP-II program
- 13. Mechanical Engineering Department NBA coordinator for PG to monitor the NBA related activities.
- 14. Session Chair of manufacturing stream in International Conference on AMMMT-2013 during 3rd- 4th May, 2013 at SIT Tumkur.
- 15. Session Co-Chair of advance manufacturing stream in International Conference on PFAM-XXIII, 2014 during 5th- 7th Dec., 2014, at **IIT Roorkee**.
- 16. Coordinator for Maland Technical Club, MCE Hassan, 2016-2018.
- 17. Coordinator for International Conference on Green Trends in Mechanical Engineering Sciences, at MCE, Hassan during 5-7. October, 2018.
- 18. Member Academic council, MCE Hassan, during 2017-2019 and 2021 to till date
- 19. Academic Coordinator, TEQIP-III, MCE Hassan, from October 2017-2021.
- 20. Session Chair in International Conference on Design, Materials and Manufacture, NITK, Surathkal, 2018
- 21. Administrator, MCE, Ladies Hostel, April 2019 to January 2021.
- 22. Session Chair in International Conference on Design, Materials and Manufacture, NITK, Surathkal, 2019
- 23. Session Chair in International Conference on Innovative Engineering Design, NIT Uttarakhand and IIT Roorkee, Dehradun, 2020
- 24. Coordinator, Sponsored Research and Consultancy Cell, MCE, Hassan, since January, 2021.
- 25. Head, Department of I & P E January, 2021 to June 2023.
- 26. Ph.D thesis examiner for Bharathi Vidyapeeth (Deemed to be University), Pune, India.
- 27. Head, Department of Computer Science and Business Systems, August 2023, to till date.
- 28. Institute level committee member for NBA to scrutinize the NBA SAR of various departments of MCE.
- 29. NAAC committee member at the institute level of MCE.
- 30. Head, Department of Computer Science and Business Systems, August 2023, to 08-11-2024.
- 31. Institute level committee member for NBA to scrutinize the NBA SAR of various Departments of MCE.
- 32. Member Administrative Committee of MCE. to finalise the administrative issues to be approved in the BoG meeting

International Recognition:

- 1. Selected for inclusion of Biography in Marques WHO'S WHO publications in 2012.
- 2. Member Editorial review board for International Journal of Advanced Research and Technology (IJoART).

Reviewer for the following International Journals

- 1. Materials and Design (Elsevier)
- 2. Measurement (Elsevier)
- 3. Journal of Brazilian Society for Mechanical Engineers (Springer)
- 4. Material Research Express (IOP Science)
- 5. Journal of Material Research and Technology (Elsevier)
- 6. Journal of Engineering Manufacture, IMeche Publications
- 7. International Journal of Thermal Sciences (Springer)
- 8. Journal of Materials Engineering and Performance (Elsevier)
- 9. Journal of Manufacturing Processes
- 10. Surfaces and Interfaces

One of the Editors to edit the International Proceedings of GTMES-2018, in **Applied Mechanics and Materials**, Published by Trans Tech Publications, Switzerland.

Membership to Professional Bodies:

- 1. Life Member of ISTE
- 2. Life Member Institution of Engineers
- 3. Annual Membership for American Ceramic Society, 2014
- 4. Annual Membership for AIST, 2013-2014
- 5. Member International Association of Engineers (IAENG)

Publications: Journals: 60; Conference / Symposium: 35

Journals:

- Srinath M.S., Apurbba Kumar Sharma, Pradeep Kumar, "A Novel Route for Joining of Austenitic Stainless Steel (SS-316) using Microwave Energy", Proceedings of the Institution of Mechanical Engineers, Part B, J. of Engineering Manufacture, 225 [7], 1083-91.
- 2. Srinath M.S., Apurbba Kumar Sharma, Pradeep Kumar, A New Approach to Joining of Bulk Copper using Microwave Energy *–Materials and Design*, 32, 2685-2694.
- 3. Srinath M.S., Apurbba Kumar Sharma, Pradeep Kumar, Microwave processing of metals and its characterisation-*Journal of Mechanical Engineering*, 1[1], 21-25.
- Srinath M.S., Apurbba Kumar Sharma, Pradeep Kumar, Investigations on microstructural and Mechanical Properties of Microwave Induced Dissimilar Joints, *Journal of Manufacturing Process*, 13[2],141-146.
- 5. Srinath M.S., Suryanarayana Murthy P, Apurbba Kumar Sharma, Pradeep Kumar, Kartikeyan M.V., Simulation of Microwave Heating while Joining of Bulk Copper, *Journal of Engineering Science and Technology*, 4[2], 152-158.
- 6. Gururaj M. Gadad, H V Ramakrishna, Srinath M. S., Balli S. S., Dyad synthesis of planar seven-link variable topology mechanism for motion between two dead-centre

positions, *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) 2012, 3[3], 21-29.*

- 7. Gururaj M. Gadad, Srinath M. S., Harsheet A Suryavanshi, "Machinability aspects of Aluminium alloy on CNC Machine", IJMEMS, 5[2], 123-127.
- 8. Gururaj M. Gadad, Ramakrishna H. V., **Srinath M. S.**, FSP synthesis of planar sevenlink variable topology mechanism for motion and acceleration, IJMRA, 1, 32-41
- Pavithra D. S., Srinath M. S., "GSM based Automatic Irrigation Control System for Efficient Use of Resources and Crop Planning by using an Android Mobile", *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, 11[4], Ver. 1, 49-55.
- Ravindra I. B., Narendranath S, Srinath M. S., "Joining of Inconel-625 alloy through microwave hybrid heating and its characterization", *Journal of Manufacturing Process*, 18, 2015, 117-123.
- 11. Hemanth S Thulasi, Dr. Y. Arunkumar, Srinath M. S., Rakshith T, "Manufacturing Simulation for determining the influence of Process Parameters on Quality of Forgings", NCERAME 2015 Proceedings, International Journal of Engineering Research and Technology, 2015,146-151.
- 12. Srinath M. S., Ajit M. Hebbale, Anand N K, Kiran Kumar U N, Kallesha K N, Kotresh M S, "Evaluation of Erosion Behaviour of Ni based Cladding developed through Microwave Energy, NCERAME 2015 Proceedings, International Journal of Engineering Research and Technology, 2015, 202-206.
- 13. Amitkumar Advekar, Dr. Y. Arunkumar, Srinath M. S., "Simulation of high pressure die casting process for identifying and minimizing defects", NCERAME 2015 Proceedings, International Journal of Engineering Research and Technology, 2015, 442-450.
- Ajit M Hebbale, Srinath M.S., "Microstructural Characterization of Ni based Cladding on SS-304 Developed through Microwave Energy", Materials Today Proceedings, 2015, 2, 1414-1420.
- 15. Rajesh N. L., **M. S. Srinath**, "Remote home security and automation system using zigbee based multi-bounce communication, IJIRT, 2015, 2 [3], 145-150.
- Roshny Mathew, M.S. Srinath, N.S. Jyothi, "Automation of Electrical Power Distribution System", i-manager's Journal on Power Systems Engineering, 2015, 3 [2], 34-40.
- 17. Sharath Chandra H.S, Y Arun Kumar, **Srinath M.S**., Multi-Level Dynamic Job Sorting for Increasing Productivity Using Discrete Event Simulation (Diverging Conveyors), International Journal of Engineering Research and Development, 2015, 11[11],75-81.
- 18. Hemanth S Thulasi, Y. Arunkumar, **M.S.Srinath**, Design and Manufacturing Simulation of Preform for Thread Rolling Operation, International Journal of Modern Engineering Research (IJMER), 2015, 5 [10], 60 -68
- 19. Rakshith T., **M. S. Srinath**, Y. Arunkumar, Hemanth S Thulasi, Optimization of Parameters for Elbow Component using Manufacturing Simulation, Advanced Materials Manufacturing & Characterization, 2016, 6 [1], 79-85.
- 20. Ajit M. Hebbale, **Srinath M.S.**, "Microstructural Investigation of Ni based cladding developed on austenitic SS-304 through microwave irradiation", Journal of Material Research and Technology, 2016, 5[4], 293-301

- 21. Suveg V Iyer, Sree Rajendra, **M.S Srinath**, "Design and Programming of an Integrated Automation of Lift Irrigation Pumping Station" i-manager's Journal on Instrumentation & Control Engineering, 2016, 4 [3], 21-26.
- Ajit Hebbale, Srinath M. S., Microstructure and Experimental Design Analysis of Nickel Based Clad Developed Through Microwave Energy, Perspectives in Science, 2016, 8, 257–259
- 23. T R Gouthama, G Harisha, Y R Manjunatha, S M Mohana Kumara, M S Srinath and M Shashank Lingappa, Melting of tin using muffle furnace and microwave energy and its characterization, IOP Conf. Series: Materials Science and Engineering, 2016, 149, doi:10.1088/1757-899X/149/1/012100.
- 24. Sharath Chandra H.S, Y Arun Kumar, **Srinath M.S**., Effect of Operational Parameters in a Converging Conveyor System for an Assembly Operation (Simulation Approach), International Journal of Innovative Research in Science, Engineering and Technology, 2016, 5[3], 3698-3705.
- 25. Shashank Lingappa M., Srinath M. S., Amarendra H. J., "Melting of 60Sn40Pb using microwave energy and its characterization", Materials Today Proceedings, 2017, 4[2], 471-476.
- Srinath M. S., Ajit Hebbale M, Fuzzy prediction of slurry erosive behavior of cobalt based clad developed through microwave energy, Materials Today Proceedings, 2017, 4[2], 1804-1811.
- 27. Ajit Hebbale, **Srinath M. S.**, "Taguchi analysis on erosive wear behavior of cobalt based microwave cladding on stainless steel AISI-420", Measurements, 2017, 99, 98-107.
- Ravindra I. Badiger, S. Narendranath, M.S. Srinath, Microstructure and Mechanical Properties of Inconel-625 Welded Joint Developed through Microwave Hybrid Heating", Proceedings of the Institution of Mechanical Engineers, Part B, J. of Engineering Manufacture, 2018, 232 [14], 2462-2477
- 29. Shashank Lingappa M., **Srinath M. S.**, Amarendra H. J., "Microstructural Investigation and Characterisation of Bulk Brass Melted by Conventional and Microwave Processing Methods, Materials Science Forum, 2017, 890, 356-361.
- Shashank Lingappa M., Srinath M. S., Amarendra H. J., "On characterization of microwave and conventionally cast bulk brass" Transactions of the Indian Institute of Metals, 2018, 71[7], 1759–1769.
- Ajit Hebbale, Srinath M. S., "Microstructural Studies of Cobalt Based Microwave Clad Developed on Martensitic Stainless Steel (AISI-420)", Transactions of the Indian Institute of Metals, 2018, 71[3], 737–743.
- 32. Shashank Lingappa M., Srinath M. S., Amarendra H. J., "Microstructural and mechanical investigation of aluminium alloy (Al 1050) melted by microwave hybrid heating", Mater. Res. Express, 2017, 4 [7] 076504.
- 33. Shashank Lingappa M., **Srinath M. S.**, Amarendra H. J., "An experimental investigation to find the critical (coupling) temperature in microwave hybrid heating of bulk metallic materials", Mater. Res. Express, 2017, 4[10], 106521.
- 34. Durga Prasad C, Sharnappa J, Ramesh M R, Srinath M S, Channabasappa B H Title: Influence of microwave hybrid heating on the sliding wear behavior of HVOF sprayed Co-Mo-Cr-Si coating", Mater. Res. Express, 2018, 5 [8], 086519.
- 35. Durga Prasad C, Sharnappa J, Ramesh M R, Srinath M S, Channabasappa B H, Microstructure and tribological behavior of flame sprayed and microwave fused

CoMoCrSi/CoMoCrSi coatingsJournal of Materials Research Express, 2018, 6[2], 026512

- 36. Ravindra I. Badiger, S. Narendranath, M.S. Srinath, Ajit M Hebbale, Effect of power input on metallurgical and mechanical characteristics of Inconel-625 welded joints processed through microwave hybrid heating", Transactions of the Indian Institute of Metals, 2019, 72[3], 811-824.
- 37. Ravindra I. Badiger, S. Narendranath, **M.S. Srinath**, Optimization of process parameters by Taguchi grey relational analysis in joining Inconel-625 through microwave hybrid heating, Metallography, Microstructure, and Analysis, 2019, 8[1], 92-108.
- 38. Shashank Lingappa M., **Srinath M. S.**, Amarendra H. J., "Development of copper alloy by microwave hybrid heating technique and its characterization", International Journal of Heat and Technology, 2018, 36 [4], 1343-1349.
- Prasad, C.D., Joladarashi, S., Ramesh, M.R., Srinath, M.S., Channabasappa, B.H. "Development and Sliding Wear Behavior of Co-Mo-Cr-Si Cladding through Microwave Heating" Silicon, 2019, 11[6], 2975-86,
- 40. Ajit M Hebbale, Anikethan Bekal, **Srinath M S**, "Wear Studies of Composite MicrowaveClad on Martensitic Stainless Steel, SN Applied Sciences, 2019, 1[3], 196.
- 41. Sharath Chandra H.S, Y Arun Kumar, **Srinath M.S**, Poornima Adiga, Ulavathi S. Mahabaleshwar, Giulio Lorenzini, Make span reduction using dynamic job sequencing combined with buffer optimization applying genetic algorithm in a manufacturing system, Mathematical Modelling of Engineering Problems, 2019, 6[1], 29-37.
- 42. Prasad, C.D., Joladarashi, S., Ramesh, M.R., **Srinath, M.S.**, Channabasappa, B.H., Effect of microwave heating on microstructure and elevated temperature adhesive wear behavior of HVOF deposited CoMoCrSi-Cr3C2 coating, Surface and Coatings Technology, 2019, 374, 291-304.
- 43. Ajit Hebbale, **Srinath M. S.**, Charaterisation of Cobalt based Miscrowave Clad developed on SS-355, Applied Mechanics and Materials, 2019, 895, 259-264.
- 44. Sharath Chandra, H.S., Raghavendra Pai, K., Arun Kumar, Y., **Srinath, M.S.**, Reduction of production using dynamic work sequencing shared with buffer optimization applying genetic procedure in a manufacturing system, International Journal of Mechanical and Production Engineering Research and Development, 2019, 9[3], 151-164.
- 45. Ajit Hebbale, **Srinath M. S.**, Surface response studies of cobalt based clad developed through microwave energy on martensitic stainless steel,International Journal of Mechanical and Production Engineering Research and Development, 2019, 9[3], 1343-1353.
- 46. Durga Prasad C, Sharnappa J, Ramesh M R, **Srinath M S**, Channabasappa B H, Comparison of microstructural and Sliding wear resistance of HVOF coated and Microwave treated CoMoCrSi-WC+CrC+Ni and CoMoCrSiWC+112Co composite coatings deposited on Titanium Substrate, Silicon, 2020, doi.org/10.1007/s12633-020-00398-1.
- 47. K Chandra, MS Srinath, ML Shashank, Comparative study on machinability aspects of as-received and microwave irradiated coated carbide inserts on hardened AISI 4340 steel (EN-24), 2020, AIP Conference Proceedings 2247 (1), 050016.
- 48. KP Kumar, A Mohanty, MS Lingappa, MS Srinath, SK Panigrahi, Enhancement of surface properties of austenitic stainless steel by nickel based alloy cladding developed using microwave energy technique, 2020, Materials Chemistry and Physics 256, 123657.

- 49. CD Prasad, S Joladarashi, MR Ramesh, MS Srinath, Microstructural and Tribological Resistance of Flame-Sprayed CoMoCrSi/WC-CrC-Ni and CoMoCrSi/WC-12Co Composite Coatings Remelted by Microwave Energy, 2020, Journal of Bio-and Tribo-Corrosion 6 (4), 1-15.
- 50. Ajit M. Hebbale, Ravindra I. Badiger, M. S. Srinath, Gajanan M. Naik, An Experimental Investigation of Microwave Developed Nickel-Based Clads for Slurry Erosion Wear Performance Using Taguchi Approach, 2020, Metallography, Microstructure, and Analysis, 9, 293–304.
- 51. J.S.Vishwanathaa, Ajit M.Hebbale, Nithin Kumar, M.S.Srinath, Ravindra I.Badiger, ANOVA studies and control factors effect analysis of cobalt based microwave clad, 2021, doi.org/10.1016/j.matpr.2021.01.214.
- 52. Ajit M.Hebbale, J.S.Vishwanathaa, M.S.Srinath, Ravindra I.Badiger, Dry Sliding Wear Performance Studies of WC–12Co Deposited on AISI 420 Steel Through Microwave Energy, 2021, Advances in Lightweight Materials and Structures, 8, 489-496
- 53. Ganesh R. Panchal and M. S. Srinath, Development of Aluminum Matrix Composite Through Microwave Stir Casting, 2021, Advances in Engineering Design, 75-83
- 54. Gudala Suresh, Ramesh M R and **Srinath M S**, Development of self-lubricating nickel based composite clad using microwave heating in improving resistance to wear at elevated temperatures, 2022, Met. Mater. Int. 28, 2000–2011.
- 55. Gudala Suresh, M.R. Ramesh, N Siva Shanmugam, **M.S. Srinath**, Microstructure and Tribological Performance Of Self-Lubricate Cladding Produced By Tungsten Inert Gas And Microwave Hybrid Heating Techniques, Surface Review and Letters, Vol. 29, No. 09, 2250125 (2022).
- 56. Gudala, S., Ramesh, M.R. & Srinath, M.S., Microstructure and Wear Behavior of Self-Lubricating Microwave Clads Deposited on Titanium Alloy, J of Materials Engineering and Performance, 2022, 1-14,), https://doi.org/10.1007/s11665-022-06926-x
- 57. Gudala Suresh, M.R. Ramesh, Ajit M. Hebbale, M.S. Srinath, Clad Developments through Microwave Hybrid Heating Technique, Processing and Properties, Advances in Microwave Processing for Engineering Materials, Ist Edition, CRC Press, e-book-ISBN- 9781003248743.
- 58. Honnaiah C, Srinath MS, ShashankLingappa M, Metallographical characterization of Al-SiCP metal matrix composites processed through microwave sintering technique, Materials Today: Proceedings, 2023, https://doi.org/10.1016/j.matpr.2023.03.077
- 59. Honnaiah C, Srinath M S, Ajit M Hebbale, Shashank Lingappa M and Madhu P "Development and Characterization of Al-SiC Metal Matrix Composites through Microwave Processing and Extrusion", Applied Science and Engineering Progress, 2025, Vol. 18 [3], 7652.
- 60. Ajit M. Hebbale , M.R. Ramesh , Jana Petru , T.V. Chandramouli, M.S. Srinath, Rakshith Kumar Shetty, A microstructural study and high-temperature oxidation behaviour of plasma sprayed NiCrAlY based composite coatings, Results in Engineering, 2025, Vol. 25, 103926

Conferences / Symposiums:

- Srinath M.S., A.K.Sharma and Pradeep Kumar, (2009), "Microwave Processing of Metals and its Developments" Proc. National Conf. on *RAMP-2009*, College of Technology, Panthnagar, Feb. 12-14, 2009, 330.
- 2. Srinath M.S., C. Suresh Kumar, A.K.Sharma, P.Kumar, "Sintering of Copper through Microwaves: Novel Developments in Metallic Material Processing", Proc. National Conf. on *NCAMT-2009*, SMVDU Katra, Jammu, Nov. 5-6, 2009, 358.
- 3. Srinath M.S., C. Suresh Kumar, A.K.Sharma, P.Kumar, "Processing of Copper through Microwaves: Developments at IIT Roorkee", Proc. Intl. Conf. on *RETMAC-2010*, NITK, Surathkal. Feb. 14-15, 2010, 169.
- 4. Srinath M.S., A.K.Sharma, P.Kumar, "Microwave Welding Of Stainless Steel and Its Characterisation: A Novel Development in Material Processing", Proc. Intl. Conf. on *FIME-2010*, NITK, Surathkal, May 20-22, 2010, 120
- 5. Srinath M.S., A.K.Sharma, Pradeep Kumar, "Simulation and Analysis of Microwave Heating while Joining Bulk Copper"- Proc. COMSOL Conf. 2010, Bangalore, Oct. 29-30, 2010.
- SrinathM.S., A.K.Sharma, Pradeep Kumar, "Microstructural Investigations on Microwave Induced Dissimilar Joints", Proc. Intl. Conf. AMMMT-2010, SIT Tumkur, Nov. 17-18, 2010, 71.
- SrinathM.S., A.K.Sharma, P.Kumar, "Joining of Bulk Metallic Materials using Microwave Energy", Proc. National Symposium on Microwave Processing of Materials, NSMWP-2010, IIT Delhi, Nov. 28, 2010, 31.
- SrinathM.S., C. Suresh Kumar, A.K.Sharma, P.Kumar, "Joining of copper through microwaves" Poster Proc. 3rd Intl. Conf. and24thAIMTDR-2010, Vishakhapatnam, Dec. 13-15, 2010, 467.
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I hereby declare that the entries here are true to the best of my knowledge and belief.

(Srinath M. S.)