

CURRICULUM VITAE

Name : Dr. Shashank Lingappa M.

D o B : 22-01-1991

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1. Educational Qualification

Sl. No.	Degree	Institution	Completion Year
1	B. E., Mechanical Engineering	Malnad College of Engineering, Hassan 573202, Karnataka, India	2012
2	M. Tech., Industrial Automation and Robotics	Malnad College of Engineering, Hassan 573202, Karnataka, India	2014
3	Ph.D., Melting of metallic materials using microwave energy and its characterization	Malnad College of Engineering, Hassan 573202, Karnataka, India	2019

2. Workshops/ Symposiums attended

Year	Nature of training	Duration	Organization
2021	Smart Manufacturing	16-12-2021 to 22-12-2021	COEP, Pune
2019	IUCEP International Engineering Educator Certification Program – Phase 1	26-12-2019 to 28-12-2019	Malnad College of Engineering, Hassan
2019	FEEL Teacher: Developing, Counselling, Mentoring	02-11-2019	Malnad College of Engineering, Hassan

2019	Rejuvenating Faculty for Career Excellence	23-01-2019 to 25-01-2019	M. S. Ramaiah Institute of Technology, Bengaluru
2018	Advanced Manufacturing Processing Techniques	12-02-2018 to 17-02-2018	Malnad College of Engineering, Hassan
2017	Slurry Erosion Effects and its Mitigation in Hydraulic Turbines	23-03-2017 to 24-03-2017	Malnad College of Engineering, Hassan
2017	Microwave Processing of Materials	17-03-2017 to 18-03-2017	Malnad College of Engineering, Hassan
2017	Emerging Trends in Materials and Manufacturing Technology	27-02-2017 to 03-03-2017	Malnad College of Engineering, Hassan
2016	Application of X-Ray Diffraction on Thin Films and Bulk Materials	04-07-2016 to 09-07-2016	Indian Institute of Technology, Hyderabad
2016	Research Methodologies and Latex	26-05-2016 to 28-05-2016	Don Bosco Institute of Technology, Bangalore
2015	Materials Microstructure Characterization using Optical & Scanning Electron Microscopy	20-12-2015 to 24-12-2015	Indian Institute of Technology, Hyderabad
2013	Patents and Innovations	31-08-2019	Malnad College of Engineering, Hassan
2013	Recent Advances in Mechatronics Engineering and its Applications	30-05-2013 to 31-05-2013	Malnad College of Engineering, Hassan

3. Work Experience:

Sl. No.	Institute	From	To
1.	M. S. Ramaiah Institute of Technology Bengaluru	14-09-2018	31-08-2019
2.	Malnad College of Engineering, Hassan	03-09-2019	Till date

4. Recognitions / Patents:

- Secured **First Rank** (Gold Medalist) for Visvesvaraya Technological University in M. Tech. (Industrial Automation and Robotics) in the year 2014.

- ii. Recognized for **Excellent Oral Presentation** in the International Conference on Materials Science and Engineering Technology (ICMSET), held during 28-30 October 2016, at University of Tokyo, Japan.
- iii. Recipient of **Best Paper Award** in the International Conference on Recent Advances in Materials Mechanical and Civil Engineering (ICRAMMCE), held during 01-02 June 2017, at MLRITM, Hyderabad.

Patent:

Filed an **Indian Patent (TEMP/E-1/16785/2017-CHE)** with Srinath M. S., Amarendra H. J., **Shashank Lingappa M.**, for the development of “**Metal Matrix Hybrid Composites**”.

5. Funded Projects

Sl. No.	Title	Funding Agency	Amount (Rs.)
1.	Development of high temperature wear and tribo-corrosion resistant of triballoy reinforced fly-ash/carbides cladding on steel substrate through microwave hybrid heating	Visvesvaraya Technological University	2,00,000/-
2.	Wear/Erosion behavioral study of metal matrix hybrid composites for automotive applications developed through microwave stir casting technique	Visvesvaraya Technological University	14,00,000/-

6. Publications:

Books Edited:

1. **Green Trends in Mechanical Engineering Sciences**, Trans Tech Publications, Volume 895, 2019, Switzerland, ISBN: 978-3-0357-3476-8
2. **Trends in Mechanical Engineering Sciences**, IOP Publications, Volume 1189, 2021, United Kingdom.

Journals:

1. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Microstructural and mechanical investigation of aluminium alloy (Al 1050) melted by microwave hybrid heating”, *Materials Research Express*, 4, 2017.
2. **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”, *Materials Research Express*, 4, 2017.
3. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Melting of bulk non-ferrous metallic materials by Microwave Hybrid Heating (MHH) and Conventional Heating - A comparative study on energy consumption”, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 40, 2018. <https://doi.org/10.1007/s40430-017-0921-7>

4. **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, 1-11. <https://doi.org/10.1007/s12666-018-1308-x>.
5. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., Mahabaleshwar U. S., Lorenzini G., Lorenzini E., “On casting and characterization of copper alloy developed by microwave hybrid heating”, *International Journal of Heat and Technology*, 36(4), 2018, 1343-1349.
6. Kumar P. K., Mohanty A., **Shashank Lingappa M.**, Srinath M. S., Panigrahi S. K., “Enhancement of surface properties of austenitic stainless steel by nickel based alloy cladding developed using microwave energy technique”, *Materials Chemistry and Physics*, 256, 2020.
7. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Microstructural investigation and characterization of bulk brass melted by conventional and microwave processing methods”, *Materials Science Forum*, 890, 2017, 356-361.
8. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Microwaves: A source for melting of Zinc”, *Materials Today: Proceedings*, 5(2), 2018, 7782-7787.
9. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Melting of 60Sn40Pb alloy using microwave energy and its characterization”, *Materials Today: Proceedings*, 4(2), 2017, 471-476.
10. Gouthama T. R., Harisha G., Manjunatha Y. R., Mohana Kumara S. M., Srinath M. S., **Shashank Lingappa M.**, “Melting of tin using muffle furnace and microwave energy and its characterization”, *Materials Science and Engineering*, 149, 2016, 1-10.
11. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Feasibility study on development of metal matrix composite by microwave stir casting”, *AIP Conference Proceedings*, 1943(1), 2018.
12. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Casting of commercially available bulk copper by microwave melting process and its characterization”, *IOP Conference Series: Materials Science and Engineering*, 330(1), 2018.
13. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “A review on microwave processing techniques and its potentials”, *International Journal of Engineering Sciences and Management*, ISSN 2277 5528.
14. **Shashank Lingappa M.**, Bongale V. V., Sreerajendra, “PLC controlled low cost automatic packing machine”, *International Journal of Advanced Mechanical Engineering*, 4(7), 2014, 803-811.
15. Matur M., **Shashank Lingappa M.**, “Development Of Low Cost Miniature Weed Harvester To Control Water Hyacinth”, *Natural Volatiles and Essential Oils*, 8(6), 2021, 1203-1212.

16. Rayirth Dinesh, Rohan Raykar, Rakesh T., Prajwal M. G., **Shashank Lingappa M.**, “Feasibility study on MoCoCrSi/ WC-Co cladding developed on austenitic stainless steel by microwave hybrid heating”, *Journal of Mines, Metals & Fuels*, 2021 (In Press)
17. Syed Tahir Abbas, Shreyas D. Y., Thejas, **Shashank Lingappa M.**, Durga Prasad C., “Microstructural characterization of MoCoCrSi/Flyash cladding on stainless steel developed through microwave irradiation”, *Journal of Mines, Metals & Fuels*, 2021 (In Press)
18. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Characterization of Al-SiC metal matrix composite developed by microwave stir casting route”, *Transactions of the Indian Institute of Metals* (Submitted)
19. Panigrahi S., Kumar K. P., Mohanty A., **Shashank Lingappa M.**, Srinath M. S., “Cyclic, isothermal oxidation and wear studies on Ni based alloy cladding developed using microwave energy technique”, *Surface and Coatings Technology* (Submitted)

Conferences / Seminars/ Symposiums:

1. **Shashank, Lingappa M.**, Srinath M. S., Amarendra H. J., "Microstructural Investigation and Characterization of Bulk Brass Melted by Conventional and Microwave Processing Methods", *International Conference on Material Science and Engineering Technology*, 28-30 October 2016, University of Tokyo, Tokyo, Japan.
2. **Shashank Lingappa M.**, Srinath M. S., Amarendra H. J., “Study on confinement of heat by susceptor layer for microwave processing of materials”, *6th International & 27th All India Manufacturing Technology, Design and Research Conference*, 16-18 December 2016, College of Engineering, Pune, India.
3. Ravi Kiran, Amarendra H. J., **Shashank Lingappa M.**, “Vision system in quality control automation”, *International Conference on Research in Mechanical Engineering Sciences*, 22-24 December 2017, MIT, Manipal, Karnataka, India.
4. **Shashank Lingappa M.**, “Residual Stress: Key Challenges and Remedies”, CPRI, 21-22 Jan 2016, Bangalore, Karnataka, India.

I hereby declare that the entries here are true to the best of my knowledge and belief.

Dr. Shashank Lingappa M.