

BOOK TITLE

Wire Arc Additive Manufacturing: Fundamental Science and Advancements

Publisher: CRC Press, Taylor & Francis (SCOPUS and Web of Science Indexed)

We are pleased to invite you and your team to contribute **Chapter(s) for the book** to be published by **CRC Press (Taylor & Francis)**.

Scope of the book:

This book will describe the role of welding technology in additive manufacturing, basic concepts/ fundamentals of wire arc additive manufacturing (WAAM), its different variants and applications in various engineering sectors. WAAM techniques based on GMAW, GTAW, PAW, CMT, etc. will be discussed in detail. Relevant aspects of WAAM such as process parameters, process planning strategies, defects and challenges, methods of improvement will be addressed. The hybridization of WAAM with other advanced techniques such as ultrasonic welding will be discussed. Case studies are included in the book in order to correlate the theoretical concepts with experimental results. Recent advancements and trends in the field of WAAM are discussed with a dedicated section of future research avenues.

Topics of interest include, but are not limited to the following:

Chapter: Introduction to additive manufacturing	Chapter: WAAM materials
Chapter: Role of welding techniques in additive manufacturing	Chapter: Process planning strategies for WAAM
Chapter: Wire arc additive manufacturing	Chapter: Defects and challenges of WAAM
Chapter: Gas metal arc welding based WAAM	Chapter: Thermal process modelling of WAAM
Chapter: Gas tungsten arc welding based WAAM	Chapter: Post processing methods for WAAM
Chapter: Cold metal transfer welding based WAAM	Chapter: Applications of WAAM
Chapter: Plasma arc welding based WAAM	Chapter: Case studies on WAAM
	Chapter: Summary and future directions

You can propose any other topic also from your research/experience, which is covered under the book title.

Important deadlines and information

Proposal Submission Deadline	25 Feb 2023
Proposal Acceptance Decision	28 Feb 2023
Full Chapter Submission Deadline	31 March 2023
Review Reports to Contributors	07 April 2023
Revised Full Chapter Submission	15 April 2023
Publication (In press)	May 2023

Editors:

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- **The Chapter will be reviewed by a minimum of two experts in the respective field.**
- **Your suggestions to modify the title of chapter(s) according to your expertise and interest in the area of WAAM are welcome.**

Note: Plagiarism of the chapter should be less than 10%. The contribution **must be original and unpublished work**, not submitted for publication anywhere. Experimental work and case-studies with novel techniques are more likely for acceptance.

The Proposal (Minimum 1-2 pages) Title, Authors with affiliation, Table of Contents, Extended Abstract, Keywords, Nature of Work-Review/Research should be forwarded as an email to editorscsrcpress2023@gmail.com or rathee8@gmail.com.

For any Query: **WhatsApp** at +91-8076036082.