

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_130497
Title of the Manuscript:	A Theoretical Framework for Ensuring Safety in Semiconductor Manufacturing Through Process Optimization and Risk Assessment
Type of the Article	

PART 1: Comments

	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<div>1. The manuscript presents a well-structured theoretical framework for ensuring safety in semiconductor manufacturing by integrating process optimization and risk assessment methodologies. The topic is highly relevant given the complexity of modern fabrication processes. However, several areas need improvement before publication</div> <div>2. The abstract should concisely summarize key contributions and findings.</div> <div>3. The introduction should include a more extensive review of prior work to establish the research gap.</div> <div>4. Clarify whether the optimization approach considers real-time monitoring and adaptive decision-making.</div> <div>5. Discuss the computational complexity of the proposed approach and its scalability for large-scale semiconductor facilities.</div> <div>6. Improve the readability of figures (PRISMA Flow chart of the study methodology)</div> <div>7. Justify the choice of risk assessment techniques and explain their limitations.</div>	<div>Thanks</div> <div>Noted and revised as per suggestion.</div>

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	