

**RKDF University, Bhopal**  
**Faculty Profile**



Basic Information	
Name	Dr. Amit Sharma
Date of Birth	22.10.1983
Designation	Assistant Professor
Department	Mechanical Engineering
Experience	13 years
EmailID	<a href="mailto:er.amitrkdf@gmail.com">er.amitrkdf@gmail.com</a> , amitmpu@gmail.com
ContactNo	9827048440

Educational Qualifications			
Description	Year	%	Institute/University
(UG)-B.E. (Mechanical Engineering)	2008	60.84	RGPV University, Bhopal
(PG)-M. Tech. (Mechanical Engineering)	2012	74.50	RGPV University, Bhopal
M. Phil.	-	-	-
(Ph. D. )- Mechanical Engineering	2024	-	Madhyanchal Professional University Bhopal (M.P.)
Post Doctorate	-	-	-
NET Qualified/GATE	Nil	Nil	-

Experience Detail				
Experience (Teaching/Research )	Designation	Duration		Name of Institute/University
		From	To	
Teaching	Lecturer	13.12.2012	09.06.2015	Shree Institute of Science and Technology, Bhopal
Teaching	Assistant Professor	10.06.2015	29.06.2019	RKDF University, Bhopal
Research	Ph. D Scholar	30.06.201	11.01.2024	Madhyanchal Professional

		9		<b>University Bhopal (M.P.)</b>
<b>Teaching and Research</b>	Assistant Professor	12.01.2024	Till Date	<b>RKDF University, Bhopal</b>
		4		
<b>Publications</b>				
<b>No. of Papers Published</b>	<b>11</b>			
<b>No. of Books Published</b>	<b>01</b>			
<b>Books Chapters Published</b>	<b>01</b>			
No. of Patents Published/Grant	<b>01</b>			
<b>Ph. D/M. Phil Project supervised</b>				
<b>Research Program</b>	<b>Award</b>	<b>Under Supervision</b>	<b>Name of University</b>	
<b>Ph.D (Provide detail i.e. name, title etc)</b>	Nil	-	-	
<b>M.Phil</b>	Nil	-	-	
<b>PG Thesis/Dissertation</b>	Nil	-	-	
<b>Area of Expertise(100 words)</b>				
<b>Machine Design, Production Design, Energy, H.M.T., Thermal Engineering, Automobile Engineering.</b>				
<b>Award and Achievement</b>				
<b>Name of Award</b>	<b>Description(With certified of Copy award)</b>			
<b>National</b>	<b>Nil</b>			
<b>International</b>	<b>Nil</b>			
<b>Conference/Seminar/Workshops/FDP</b>				
<b>Description</b>	<b>No.</b>			
<b>Conference/Seminar p a p e r presentation</b>	<b>06</b>			
<b>Conference/Seminar attended/ organized</b>				
<b>Work shop attended/organized</b>	<b>01</b>			
<b>FDP Attended/organized</b>	<b>05</b>			
<b>Research Project</b>				

Name of Project	Funding Agencies	Amount

- **Any other Achievement**

**Signature**

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## LIST OF PUBLICATIONS

- [1] Amit Sharma, Nitin Dubey, “Carbon Capture from Coal Power Plants and Algae Farming with Technical-Economic Analysis” SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, Volume 14, Issue 4 (2022).  
<https://doi.org/10.18090/samriddhi.v14i04.07>
- [2] Amit Sharma, Nitin Dubey, “Carbon Capture and Storage: Current State, Emerging Materials, and Future Directions for Mitigating Climate Change” Journal of Integrated Science & Technology.  
<https://pubs.thesciencein.org/journal/index.php/jist/article/view/a728>
- [3] DR.Amit Sharma, “Assessing the impact of E- Business Technology on Supply chain Management – In context of Indian industries” for International Journal of Manufacturing and Production Engineering.  
<https://journals.stmjournals.com/ijmpe/article=2024/view=146122/>
- [4] Amit Sharma, “A Review Natural Ventilation by Using Solar Chimney” STM Journal  
<https://journals.stmjournals.com/ijepms/article=2025/view=206894/>
- [5] Amit Sharma, P.K. Sharama, “ Analysis of Extrusion process considering material, shape & operating process using Finite element method (FEM) & Artificial Neural Network Model” International Hunt Journal
- [6] Amit Sharma, Arvind Gwatiya, “A Review natural ventilation using solar chimney” AIC-RAETHM conference on 10-11 Jan 2025
- [7] Amit Sharma, Arvind Gwatiya, “Power output in solar chimney power plants Influence of collector area & chimney height” AIC-RAETHM conference on 10-11 Jan 2025
- [8] Amit Sharma, Arvind Gwatiya, “A Review on different types of solar collectors” AIC-RAETHM conference on 10-11 Jan 2025
- [9] Amit Sharma, Arvind Gwatiya, “Enhancing Production line efficiency simulation & optimizing single and parallel line processes” AIC-RAETHM conference on 10-11 Jan 2025
- [10] Amit Sharma, Nitin Dubey, “Overview of carbon Capture technologies” MATHED-22 conference on 15-17 Feb 2023
- [11] Amit Sharma, Nitin Dubey, “Microalgae based carbon capture technique to reduce carbon emissions” ICETST-23 conference on 27-28 April 2023.

## **FDP & Short Term Training Program**

1. Five Day online short term course on Evolution of CCHP & Thermal Polygeneration (ECTP-2024) organized by NIT Hamidpur on 27 May 2024 to 31 May 2024.
2. Five Day online short term course on Emerging Aspects in Refrigeration, HVAC and Liquefaction Technologies(RHLT-2022) organized by NIT Hamidpur on 3 Jan2022 to 7 Jan 2022.
3. Five Day Online Faculty Development Program on Recent Trends in Mechanical Engineering on 20/7/2021 to 24/7/2021 by ICFAI University Jaipur.
4. Five Day Online Faculty Development Program on Emerging trends in cyber securities and hands on 16/3/2021 to 20/3/2021 by NIIST Bhopal, RGPV university.
5. Five Day FDP on Self dependence, advantages and technology & Digital Marketing. at RKDF UNIVERSITY Bhopal on 14/9/2016 to 19/9/2016. by Lemrus Technologies university.

## **Short term Training Program and Workshop**

1. Two day short term course on Innovative solar thermal storage technologies in collaboration with RPI on 27 & 28 oct-2019.
2. One Day Workshop on Entrepreneurship and new Venture creation on 20/4/2019 at RKDF University Bhopal.
3. One Day Workshop on Industrial Automation in RKDF UNIVERSITY Bhopal on 20/10/2015.