

BIO-DATA

1. Name and full correspondence address **Dr. Mohammed Hamid Siddique**
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2. Email (s) and contact number(s) mhsiddique@iitism.ac.in
3. Institution Indian Institute of Technology (ISM)
Dhanbad
4. Date of Birth 01/01/1988
5. Gender Male
6. Category General
7. Whether differently abled No

8. Academic Qualification (Undergraduate Onwards)

S.No.	Degree	Year	Subject	University/Institution	% of Marks
01	Bachelor of Engineering	2009	Mechanical Engineering	S.G.B. Amravati University, Amravati, Maharashtra	76
02	Master of Technology	2013	Petroleum Engineering	Indian School of Mines Dhanbad, Jharkhand	8.27/10
03	Ph.D.	2018	Petroleum Engineering	Indian Institute of Technology Madras, Chennai	9/10

9. Ph.D. Thesis title: "*Optimization of a Centrifugal Pump Impeller Design for Pumping Viscous Fluids*", under the guidance of Prof. Abdus Samad, Indian Institute of Technology Madras, awarded in the year 2018.

10. Work experience (in chronological order)

S.No.	Position Held	Name of the Institute	From	To	Pay Scale
01	Associate Professor (Contract)	Anna Saheb Dange College of Engineering and Technology, Ashta, Maharashtra	20/06/2018	31/05/2019	37400-67000
02	Assistant Professor (Contract)	Godavari Institute of Engineering and Technology, Rajahmundry, AP	15/12/2020	31/08/2021	15600-39100

03	Research Professor (Visiting)	Kyunpook National University, Daegu, South Korea	01/11/2021	31/08/2022	3.3 Million (KRW) per month
04	Assistant Professor (Regular)	IIT-ISM Dhanbad	05/09/2022	Continue	68900-117200

11. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant

S.No.	Name of Award	Awarding Agency	Year
01	Student fellowship Award	International Gas Turbine Institute (IGTI) and ASME	2016

12. Publication (List of papers published in SCI Journals, in year wise descending order)

S.No.	Authors	Title	Name of Journal	Volume	Page	Year
1	Ansari, M.I., Anwer, S.F., Siddique, M.H. and Alam, T.,	Optimization of kinematic parameters of dragonfly wing section in forward flapping flight	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	-	1-14	2024
1	Kim, B., Siddique, M.H., Bellary, S.A.I., Choi, S.W. and Lee, D.E., 2023.	Investigation of a centrifugal pump for energy loss due to clearance thickness while pumping different viscosity oils	<i>Results in Engineering,</i>	18	p.101038.	2023
2	Doddamani, H., Siddique, M.H. , Samad, A.,	A parato optimal front of fluidic diode for a wave energy harnessing device	Ocean Engineering	260	1-13	2022
3	Kim, B., *Siddique, M.H. , Samad, A., Hu, G. and Lee, D.E.,	Optimization of Centrifugal Pump Impeller for Pumping Viscous Fluids Using Direct Design Optimization Technique	Machines	10	774	2022
4	Ramalingam, M., Sultanuddin, S.J., Nithya, N., Michael Raj, T.F., Rajesh Kumar, T., Suji Prasad, S.J., Al-Ammar, E.A., Siddique, M.H. and Udayakumar, S.,	Light Weight Deep Learning Algorithm for Voice Call Quality of Services (Qos) in Cellular Communication	<i>Computational Intelligence and Neuroscience</i>	2022	8	2022

5	Siddula, S., Prashanth, G.K., Nandankar, P., Subbiah, R., Wabaidur, S.M., Al-Ammar, E.A., Siddique, M.H. and Thanappan, S.,	Optimal Placement of Hybrid Wind-Solar System Using Deep Learning Model	<i>International Journal of Photoenergy</i>	2022	7	2022
6	Aravind, K.U., Mekala, N.M., Muthuraju, N.P., Soni, N.B., Al-Ammar, E.A., Seikh, A.H., Siddique, M.H. and Christopher, D.,	Thermal Storage for the Analysis of Hybrid Energy Systems Based on Geothermal and Solar Power	<i>International Journal of Photoenergy</i>	2022	13	2022
7	Siddique, M.H. , Samad, A. and Hossain, S.	Centrifugal pump performance enhancement: Effect of splitter blade and optimization	<i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i>	236	391-402	2022
8	Jaiswal, A.K., Siddique, M.H. , Paul, A.R. and Samad, A.,	Surrogate-based design optimization of a centrifugal pump impeller	<i>Engineering Optimization</i>	2022	1395-1412	2021
9	Ansari, M.I., Siddique, M.H. , Samad, A. and Anwer, S.F.,	On the optimal morphology and performance of a modeled dragonfly airfoil in gliding mode	<i>Physics of Fluids</i>	31	051904	2019
10	Mrinal, K.R., Siddique, M.H. and Samad, A.,	Performance prediction of a centrifugal pump delivering non-Newtonian slurry	<i>Particulate Science and Technology</i>	36	38-45	2018
11	Siddique, M.H. , Afzal, A. and Samad, A.,	Design optimization of the centrifugal pumps via low fidelity models	<i>Mathematical Problems in Engineering</i>	2018	14	2018
12	Siddique, M.H., Bellary, S.A.I., Samad, A., Kim, J.H. and Choi, Y.S.,	Experimental and Numerical investigation of the performance of a centrifugal pump when pumping water and light crude oil	<i>Arabian Journal for Science and Engineering</i>	42	4605-4615	2017

13	Siddique, M.H., Samad, A. and Husain, A.,	Combined effects of viscosity and surface roughness on electric submersible pump performance	<i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i>	231	303-316	2017
14	Bellary, S.A., Siddique, M.H., Samad, A., Sangwai, J.S. and Chon, B.,	Effects of crude oil-water emulsions at various water-cut on the performance of the centrifugal pump	<i>International Journal of Oil, Gas and Coal Technology</i>	16	71-88	2017
15	Bellary, S.A.I., Adhav, R., Siddique, M.H., Chon, B.H., Kenyery, F. and Samad, A.,	Application of computational fluid dynamics and surrogate-coupled evolutionary computing to enhance centrifugal-pump performance	<i>Engineering Applications of Computational Fluid Mechanics</i>	10	171-181	2016

13. Detail of patents

S.No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
01	System and method for charging electric vehicles using integrated renewable energy and fuel cell tec	Sirish kumar, Sunil kumar, Gyan Prakash satyam, Mohammad Sarim and Mohammed Hamid Siddique	Application no. 202231070791, files on 2022/12/08	-	India	Filed

14. Books/Report/Chapter/General articles etc.

S.No.	Title	Author's Name	Publisher	Year of Publication
1	On the Recommendations for Reducing CPU Time of Multigrid Preconditioned Gauss-Seidel Method	Abdul Hannan Faruqi, M Hamid Siddique, Abdus Samad, Syed Fahad Anwer	(Article) Springer International Publishing	2020