

CURRICULAM VITAE

Name : Dr. K.Mohan, B.E, M.E, Ph.D.,
Designation : Professor
Date of Birth : 05.06.1971
Aadhaar NO : 374904838316
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1. Residential Address	7/12 kudistreet, Nainampalayam A Erayamangalam, Tiruchengode, Emappali, Namakkal-637214.
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Name of the Institution : K.S. Rangasamy College of Technology,
Tiruchengode – 637215.
Department : Mechanical Engineering
Field of Specialization : Plasma arc Welding, Friction stir welding
Google Scholar link : <https://scholar.google.co.in/citations?user=ZhJmvJ0AAAAJ&hl=en>
Vidwan ID : <https://vidwan.inflibnet.ac.in/profile/196177>
Orcid ID : <https://orcid.org/0000-0002-7207-5461>
IRINS profile ID : <https://ksrct.irins.org/profile/196177>
Microsoft Academic Author ID : 2642609746

Academic Qualifications:

S. No	Diploma/ Degree	University / Board	Year	Field of Specialization
1	B.E.	Bharathiyar University, Coimbatore.	1996	Mechanical Engineering
2	M.E.	Anna University, Chennai.	2004	Industrial Engineering
3	Ph.D.	Anna University, Chennai.	2011	Welding

Teaching Experience : (Engineering College only)

S. No	Name of the Institution	Designation	From	To	Total Experience	
					Year(s)	Month(s)
1	Maharaja Engineering College, Avinashi.	Lecturer	1.12.1999	5.12.2000	1y	-
2	Tamilnadu college of Engineering, Coimbatore.	Lecturer	10.12.2000	30.3. 2006	6y	-
3	K.S.Rangasamy College of Technology, Tiruchengode.	Associate Professor	01.06.2006	15.07.2011	5y	-
4	K S Rangasamy College of Technology	Professor/ Mechanical Engineering	16.07.2011	Till date	11y	-

Total Teaching Experience: 23 years 0 month

Membership in Professional Bodies:

Life Member, Indian Welding Society (IWS) (LM 54025)

Life Member, Indian Society for Technical Education (ISTE) (LM 54025)

LIST OF PUBLICATIONS

INTERNATIONAL JOURNALS

1	K. Mohan and N.Murugan., ' Effects of Plasma Transferred Arc Welding Parameters on Bead Geometry in Tungsten Carbide Hard facing ', Journal for Manufacturing Science & Production (2009) vol 10, no.3-4 ,1-8.
2	K.Mohan ,N.Murugan,P.Kannan,G.Krishnakumar.,' Modeling of Dilution in Plasma Transferred Arc Hard facing , ' Pezzottaite Journals (2012),vol.01,no.01,1-10.
3	K.Mohan ,J.A.Suresh, Palaniappan Rama, R.Jayaganthan., ' Microstructure and Mechanical Behavior of AL7075-T6 Subject to Shallow Cryogenic Treatment ', Journal of Materials Engineering and Performance 2016, vol 25, no.6.
4	K.Mohan ,N.Murugan ,P.Kannan.,' Optimization of Plasma Transferred Arc Welding parameters in Tungsten Carbide Hard facing using Excel Solver ', Journal for Manufacturing Science & Production(Accepted For Publication)
5	R.Vasanth, K.Mohan , Satish Rengarajan, R.Jayaprakash, R.Ashok kumar., ' Characterization and corrosion effects of Friction surfaced IS-2062 E250 CU with AA6063 ', Materials Research Express (2019),vol.06,no.12,1-11.
6	M. Gnanasekaran, K.Mohan , A. Kumaravel., ' Characterization, corrosion behavior, effect of temperature and inhibition studies on AA6351 frictional surfaced mild steel ', Journal of Materials Research and Technology (2020),vol.9,no.6,16080-16092.
7	Karthikeyan S , K.Mohan , Arivazhagan S., ' Multi objective optimization of FSW process parameters to enhance the tensile strength and hardness of AA7068 welded joints ', Surface Topography: Metrology and Properties (2021),vol.9,no.4,1-12.

NATIONAL CONFERENCES

1	N. Murugan, K. Mohan ., ' Effects of plasma Transferred Arc Welding Process Parameters on Dilution in Tungsten Carbide Hard facing ', Symposium of Joining of Metals BHEL ,Trichy, 2008, Vol. 1,Pp 61 - 68.
2	K. Mohan ,N. Murugan., ' Development of a Mathematical Model to Predict Dilution in Tungsten Carbide Hard facing ', National Conference on AIMS Organized by Mechanical Engineering, KCT, 2009,vol.1,Pp 37.
3	K. Mohan ,N. Murugan,T. Kannan.,' Effects of Plasma Transferred Arc welding Process Parameters on Hardness in Tungsten Carbide Hard facing ', Innovation in research in Engineering and Technology organized by Park College Engineering & Technology, Cbe,2010,Vol. 1 ,Pp 1-5
4	K. Mohan , Study of Plasma Transferred Arc Welding parameters in Tungsten Carbide Hard facing ', National Conference on Cutting Welding & Surfacing at cbe 2011 .

INTERNATIONAL CONFERENCES

1	K. Mohan, A.Kumaravel,B.Muthukumar., 'Experimental Investigation for Welding Aspect of SS304 for the process of GTAW Welding' , I st International Conference on recent advances in mechanical engineering (ICRAMEK' 17), GCT Salem, 2017.
2	K. Mohan,N. Murugan., 'Development of a Mathematical Model to Predict Dilution in Tungsten Carbide Hard facing' , National Conference on AIMS Organized by Mechanical Engineering, KCT, 2009,vol.1,Pp 37.
3	K. Mohan, N. Murugan, T. Kannan.,' Optimization of Palasma Transferred Arc Welding Parameters in Hardfacing using Excel Solver' , International Welding Symposium, Organized by IWS,Mumbai, 2010, Vol .2 pp400 - 4006.
4	K. Mohan,N. Murugan,T. Kannan.,' Effects of PTAW Process Parameters on Hardness in Tungsten Carbide Hardfacing' , International Welding Symposium, Organized by IWS,Mumbai, Dated :27-29 November 2018, Vol. 1 ,Pp 1-10
5	K. Mohan , 'Design and fabrication of pneumatic lifting table' , International Conference of sustainable Materials (ICSM 2K19) organized by Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode from 19 and 20 th march 2019.
6	K.Mohan, S Karthikeyan , S Sakthivel, B Muthukumar, 'Experimental Investigation for Welding Aspect of SS304 for the process of GTAW Welding' , International Welding Symposium, Organized by IWS,Mumbai, November 2018.

WORKSHOP / SHORT TERM COURSES PARTICIPATED:

1	K S Rangasamy College of Technology, Department of Mechanical Engineering in association with Indian Welding Society Webinar on Non-Destructive Testing in Welding.
2	One day Workshop on Recent trends in Welding technology
3	One day Workshop on Recent development in Welding technology
4	Two day wokshop on Emerging Paradigm in Welding and Non -Destructive Testing
5	Participated NPTEL workshop conducted by k.S.Rangasamy College of Technology, Tiruchengode.Dated 09.08.2014.
6	Participated one day workshop on ' Advance Solid State Welding Processes ' conducted by IWS - Coimbatore Institute of Technology.Dated 03.03.2017.
7	Participated seminar on ' current trends in biomaterials and application of FEM in Dentistryduring ' conducted by Indian council of medical research, K.S.Rangasamy College of Technology, Tiruchengode from 09.09.2016 to 10.09.2016. Kharagpur from 20th to 30th May,2014.
8	Two week ISTE Workshop programme on Fluid Mechanics organized by MHRD - IIT Kharagpur from 20th to 30th May,2014.
9	Two week ISTE Workshop programme on Technical Communication organized by MHRD - IIT Bombay from 08 th October to 05th December,2015.
10	Two days Proficiency Improvement Programme on " DESIGN OF EXPERIMENTS " organised byARAI Academy , pune from 14 th to 15th sepetember 2015.
11	One day Workshop on ' Engineering Graphics using drafting software ' by Adithya Technology,cbe .Dated 22.01.2010.
12	One day Workshop on ' Advances in Welding technology for fabrication industries ', conducted by IWS -Coimbatore Institute of Technology. Dated 23.01.2009.

13	One-day Workshop on ' Welding of new generation stainless steels ', conducted by IWS -Bhel Trichy. Dated 30.11.2006.
14	Participated training program on ' Instructional design and delivery ' conducted by , K.S.Rangasamy College of Technology, Tiruchengode from 19.06.2006 to 24.06.2006. .
15	One day Workshop on ' Advances in Surface Technology ', conducted at Chennai Dated 29.06.2007-01.07.2007.
16	Participated training program on ' Metallurgy for non-metallurgists ' conducted by, IIT Madras dated 13.08.2004 to 14.08.2004.
17	Participated symposium on ' Joining of materials ' conducted by IWS at Trichy. Dated 11.12.2008-13.12.2008.
18	National seminar on " Renewable Energy Today Trending " organized by Department of Mechanical Engineering, K.S. Rangasamy College of Technology, Tiruchengode. Dated October 2006.
19	National workshop on " Surface Engineering " organized by Department of Manufacturing Engineering, Annamalai University, from 9 and 10 april 2010.
20	Participated Online webinar on " How to Write a Successful Project Proposal to Funding Agencies " organized by Department of Library, K S Rangasamy College of Technology, Tiruchengode on 06. 06.2020
21	participated in " How to Access KSREI Research Portal " & Webinar on " Online Publication Tracking and Creating Researcher Profile for Faculty Members of KSRCT " organized by KSRCT Library on 19.12.2020
22	participated in " Academic Identities: An Overview " (ORCID, Researcher ID, Scopus ID, Google Scholar ID and Microsoft Academic ID) organized by KSRCT Library on 23.12.2020.
23	participated in the 3 days hands-on training on " Green Rating " organized by Department of Mechanical, Civil and EEE of K.S.Rangasamy College of Technology, Tiruchengode from 24.12.2020 to 26.12.2020
24	participated in the Online webinar on " How to access E-Resources through KNIMBUS platform " organized by; Department of Library, K S Rangasamy College of Technology, Tiruchengode. Dated : 28. 05.2021

PROGRAM ORGANISED

1.	Certification courses organized, one credit course - Welding Process
2.	Certification courses organized, one credit course - Welding Engineering
3.	Certification courses organized, one credit course - Weld ability of Materials
4.	K S Rangasamy College of Technology, Department of Mechanical Engineering in association with Indian Welding Society Webinar on Non-Destructive Testing in Welding.
5.	Industrial visit organized for students at Baharat Heavy Electrical Ltd., Tiruchirappalli.
6.	Industrial visit organized for students at Bharat Heavy Electrical Ltd., Ranipet.
7.	Industrial visit organized for students at Central Workshop-Southern Railway,Ponmalai, Tiruchirappalli.
8.	One day Workshop on Recent trends in Welding technology
9.	One day Workshop on Recent development in Welding technology
10.	Two day workshop on Emerging Paradigm in Welding and Non -Destructive Testing

ACADEMIC ACTIVITIES

1. Successfully completed Auditor/Lead Auditor training course ISO 14001:2015 conducted by Exemplar Global (no: 2106170721010132) on July 2021.

AWARDS AND ACHIEVEMENTS:

1	Zonal Meritorious Award 2018 by International Welding Symposium IWS2k18 at Mumbai
2	Certificate of Merit for 100 % result in End Semester for 10 GE 102- Engineering Graphics.
3	Certificate of Merit for 100 % result in End Semester for Supply chain management.
4	Certificate of Merit for 100 % result in End Semester for Process Planning and cost Estimation.
5	Certificate of Merit for 100 % result in End Semester for Welding Technology.
6	Certificate of Merit for 100 % result in End Semester for 10 GE 101- Engineering Graphics.
7	Certificate of Merit for 100 % result in End Semester for Total Quality Management.
8	Certificate of Merit for 100 % result in End Semester for Production Planning and Control.

CITATION OF RESEARCH PAPER DETAILS AS ON: 8.11.2021

Total Citation - 31

H- index - 2

I10- index - 1



Mohan K

Professor, Mechanical Engineering, [K.S.Rangasamy College of Technology](#)

Verified email at [ksrct.ac.in](#)

[Welding](#) [Metallurgy](#)

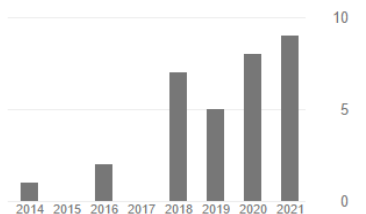
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TITLE	CITED BY	YEAR
Microstructure and Mechanical Behavior of Al 7075-T6 Subjected to Shallow Cryogenic Treatment K Mohan, JA Suresh, P Ramu, R Jayaganthan Journal of Materials Engineering and Performance 25 (6), 2185–2194	28	2016
Effects of plasma transferred arc welding parameters on bead geometry in tungsten carbide hardfacing K Mohan, N Murugan Journal for Manufacturing Science and Production 10 (3-4), 155-168	5	2009
MODELING OF DILUTION IN PLASMA TRANSFERRED ARC HARDFACING K Mohan, N Murugan, T Kannan, GK Kumar International Journal of Information Technology & Computer Sciences ...	1	2013

Cited by [VIEW ALL](#)

	All	Since 2016
Citations	34	31
h-index	2	2
i10-index	1	1



Ph.D DETAILS :-

Register Number : 2003249127
Topic : Studies on tungsten carbide hard facing of stainless steel by plasma transfer arc welding.
Date of Registration : 04.06.2003
Date of Viva-Voce Completed : 28.11.2011
Name of the Supervisor : Dr.N.Murugan
Professor, Department of Mechanical Engineering
Coimbatore Institute of Technology, Coimbatore.

GUIDING Ph.D

1. Topic : **STUDY OF ALUMINIUM ALLOY 6063 FRICTION SURFACED ON MILD STEEL**

Name of the Candidate : **R. Vasanth (Completed)**
University : Anna University, Chennai,

2. Topic : **STUDIES ON PROCESS PARAMETERS OF ALUMINIUM ALLOY 6351 FRICTION SURFACED ON MILD STEEL**

Name of the Candidate : **M.Gnanasekaran**
University : Anna University, Chennai,

3 Topic : **EFFECT OF FRICTION STIR WELDING ON FRACTURE TOUGHNESS AND CRACK GROWTH BEHAVIOR OF DISSIMILAR ALUMINUM PLATE**

Name of the Candidate : **S. Sakthivel**
University : Anna University, Chennai,

4 Topic : **MULTI-OBJECTIVE OPTIMIATION OF FSW PROCESS PARAMETERS TO ENHANCE THE TENSILE STRENGTH AND HARDNESS OF AA7068 WELDED JOINTS**

Name of the Candidate : **S. Karthikeyan**
University : Anna University, Chennai,

INVITED TALK / GUEST LECTURE

Mohan K, Faculty development programme on Use of ICT in Education for online and blended learning organized by MHRD -IIT Bombay, From 02.05.2016 to 10.07.2016

ADMINISTRATIVE EXPERIENCE

1. Acted as Admission Coordinator in K S Rangasamy College of Technology.
2. Acted as Anna University Representative in ANNA UNIVERSITY Examinations.
3. Acted as Chief Examiner in ANNA UNIVERSITY central valuation.
4. Approved Ph.D. / M. Tech (By Research) Supervisor in faculty of Mechanical Engineering. Approved by Anna University - Chennai.
5. Module coordinator for Engineering graphics and Engineering drawing.
6. Fluid Mechanics Laboratory in charge.
7. Department SC/ST student coordinator.
8. Indian Welding Society (IWS) department coordinator.
9. Department MoU- Coordinator.
10. Infrastructure In-charge.