



# TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

## FACULTY PROFILE

PERSONAL DETAILS			
Name & Qualification	R. SASIDHARAN, M.E., Ph.D,		
Designation	ASSOCIATE PROFESSOR		
Department	MECHANICAL ENGINEERING		
Total Teaching Experience	19 Years		
Total Research Experience	-----		
Total Industry Experience	1 Years		
Area of Specialization	Welding		
AICTE Faculty ID	1-492863851		
Email ID	sasienggdes@gmail.com		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	Mechanical Engineering	Madras University	1998
PG	Engineering Design	Bharathiyar University	2000
Ph.D	Welding	Anna University	2019
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<ol style="list-style-type: none"> <li>1. Study on Erosion Corrosion behaviour of Gas Tungsten Arc Welded Duplex Stainless Steel using Taguchi Technique. R.Sasidharan , S.Rajendra Boopathy, S.R. Koteswara Rao, B.Ganesamoorthi Journal of Corrosion Science and Engineering., Volume 17, Preprint 23 (2013)</li> <li>2. Effects of Nitrogen added Argon Gas flow rate on the Mechanical and Corrosion properties of Duplex Stainless Steel Gas Tungsten Arc welds. R.Sasidharan , S.Rajendra Boopathy, S.R. Koteswara Rao Journal of Corrosion Science and Engineering., Volume 17, Preprint 22 (2013)</li> <li>3. Erosion Corrosion Behaviour of Duplex Stainless Steel Welds Using Slurry Jet Machine R.Sasidharan, , S.Rajendra Boopathy, K.Periyaswamy, S.R. Koteswara Rao, M.Achudham</li> </ol>			

International Journal of Applied Environmental Sciences Volume 9, Number 3 (2014), pp. 871-878.

4. Selection of alternative material for common rail direct injection system N. Senguttuvan , S. Raja , R.Sasidharan International Journal of Engineering & Technology, 3 (2) (2014) 230-236
5. Fabrication of pedal powered hacksaw using dual chain drive R. Subash , C.M. Meenakshi, K. Samuel Jayakaran , C. Venkateswaran, R.Sasidharan International Journal of Engineering & Technology, 3 (2) (2014) 220-223
6. Waste energy recovery in window air conditioning system R. Sasidharan, V. Palaniswamy, C.R. Manibharathi, R. Pannerselvam, N. Venkatesan International Journal of Engineering & Technology, 3 (2) (2014) 179-184
7. Thermal analysis of metal-ceramic bonding using finite element method S. Gopinath, R. Sabarish , R. Sasidharan International Journal of Engineering & Technology, 3 (2) (2014) 179-184
8. Experimental investigation on usage of biodergradeable fibres in manufacturing hybrid composite MaterialsD. Suresh, N. Manikandan, G. S. Bharath, A. Chandru, S. Senthil, C. B. Sekar, R. Sasidharan IJMEMS , 6(2) july- December 2013, pp. 147-152
9. Optimization of bead geometry for duplex stainless steel GTA welds using the Taguchi approach R.Sasidharan , S.Rajendra Boopathy, S.R. Koteswara Rao, S.Vijayan Materials testing., Volume 58 , no 4 (2016), pp.312-318

#### **Conference Proceedings**

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#### **Books / Chapters Published**

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#### **Fund Received**

1. AICTE – RPS sponsored Rs. 19.3 Lakhs project “Development of Nitrogen added low Nickel fillers for welding of Duplex Stainless Steels” was completed  
Grant No. 20/ AICTE/RIFD/RPS(POLICY-III)32/2012-13.
2. UGC – DAE consortium for scientific research sponsored Rs. 2.03 lakhs project “Activated Flux GTA welding of Duplexb Stainless Steels- Addition of Nitrogen to Weldmetal" was completed.

CSR project no.: CSR-KN/CRS-35/2012-13/743

3. National Institute of Ocean Technology - sponsored Rs. 90,000/- project on " Erosion Corrosion Tests on Friction Stir Welded Aluminium Alloy Joints “ was completed  
Ref : NIOT/S&P/DSM/25293/2016-17
4. National Institute of Ocean Technology - sponsored Rs. 90,000/- project on " Stress Corrosion Cracking Tests on Friction Stir Welded Aluminium Alloy Joints-" was on going.  
Ref : NIOT/S&P/DSM/25353/2017-18 Dated:10.11.2017

#### **Patent Applied / Published/Granted**

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CITATIONS

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#### **RESEARCH GUIDANCE DETAILS**

<b>Sl.No</b>	<b>University</b>	<b>Supervisor ID / Reference</b>
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	<b>50</b>
3	Number of PG Scholars Guided	<b>25</b>
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-

#### **PROFESSIONAL SOCIETY MEMBERSHIP DETAILS**

<b>Sl.No</b>	<b>Professional Society Name</b>	<b>Member ID</b>
1	Institution of Engineers, India	Life Member