

Faculty Profile

1. Name : Dr.M.Baskaran
2. Designation : Assistant Professor
3. Date of Joining : 27.05.2010
4. Nature of Association : Regular
5. E mail : baskaranm@ksrct.ac.in
6. Mobile no. : +91 9698999756



7. Academic Qualifications:

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D./Heat Treatment	Anna University, Chennai-25	August 2018	-	-
M.E/Engineering Design	Kongu Engineering College. Perundurai./ Anna University, Chennai-25	May 2008	74.2	I
B.E/ Mechanical Engineering	Government College of Engineering, Salem / Periyar University, Salem-11	April 2005	66.6	I
Diploma / Production Engineering	Government Polytechnic, Coimbatore-14,/ DOTE	April 1986	79.2	I
S.S.L.C	Govt. Boys Higher Secondary school, Tiruchengode.	March 1984	81.33	I

8. Teaching Experience

- **Assistant Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 27.05.2010 to till-date.
- **Lecturer**, Nandha Engineering College, Erode 52, from 25.08.2008 to 26.05.2010.

9. Projects

Under Graduate

- **Title:** “Design and Fabrication of Induced Draft Cooling Tower”

Post Graduate

- **Title:** “Design and Fabrication of Waste heat Recovery system for Furnace oil Pre-heater ”

Ph. D

- **Thesis title:** “Investigations of Nanofluid Based Quenchant on the Behaviour of Mild Steel and EN8 Steel”

10. Publications

International Journals

1. **M.Baskaran**, KCK. Vijaya Kumar, S. Senthil Raja & R. Ganga Devi 2016 'Experimental Investigation of Mechanical Properties of Mild Steel Quenched in Al₂O₃/Water Nanofluid' Asian Journal of Research in Social Sciences and Humanities vol. 6, no. 12, December 2016, pp. 690-700.
2. **M.Baskaran**, KCK Vijayakumar & M.Bharathiraja R 2016 'Experimental investigations of Jominy End Quench test using CuO nanofluids', Journal of advances in chemistry, vol. 12, no. 11, pp. 4455-4464.
3. **M.Baskaran**, Dr. K.C.K. Vijayakumar, R. John Knox &G. Kamalakkannan R 2015 'Study and Investigation of Mechanical Properties of EN8 Steel Quenched Using Al₂O₃/water NanoFluid' International Journal of Applied Engineering Research,vol.10 no. 21.
4. M.Janarthanan **M.Baskaran**, U.Marali,V.Akilan 2016 Design of Hybrid Wheel Chair for Multiple Disordered Differently Abled Person ,International Journal of Mathematical Sciences and Engineering (IJMSE) Volume 5, Issue 1,Pages 31-37,
5. U. Murali M.Ravi, **M. Baskaran** V. Santhosh, ,2017, Risk Assessment and Control Measures in Construction Industries, International Journal of Engineering and Management Research,Volume 7,issue 4,PP 302-304,
6. S.Senthilraja,R.Gangadevi, R. Marimuthu,**M.Baskaran**, 2019,Performance evaluation of water and air based PVT solar collector for hydrogen production application, International Journal of Hydrogen Energy

National Conferences

1. Presented a paper entitled "Waste Heat Recovery System for Furnace oil Preheater" in the Third national conference on "Optimization Techniques in Engineering Sciences and Technologies" (OPTTEST-2008) at Bannari Amman Institute of Technology, Sathyamangalam during 27,28 March 2008.
2. Presented a paper in the title of " Design and analysis of Furnace oil preheater" in the national conference on Recent Advancement In Mechanical Engineering- (RAME-18) held at Mahendra Engineering College, Tiruchengode on 4th April 2008.

11. Fellowships

12. Summer Training Programmes

- Participated in the Faculty Development Programme on Entrepreneurship Development organized by PMO-IEDP from 11th July to 13th July 2019 at Sona College of Technology,Salem.
- Participated in the workshop on "High Temperature Properties of Materials (HTPM)", held on 1st February 2014 at Annamalai University.

- Participated in the national workshop on “Testing of Engineering Materials” held on 17 and 18th December 2011 at PSG College of Technology, Coimbatore.
- Participated in TEQIP Sponsored workshop on “R&D Proposals to National and International Funding for Researchers-Approach & Preparation”, held on 16 and 17th August 2013 at National Institute of Technology, Trichy.
- Participated in the workshop on “Preparation and publication of research articles in International Journals”, held on 28th March, 2013 at The Kavery College of Engineering, Mecheri, Salem.
- Participated in AICTE approved Faculty development program (FDP 101x) on “Foundation Program in ICT for Education” conducted by Indian Institute of Technology Bombay held on August 3rd to 7th September.
- Participated in Two Week ISTE Workshop on “Engineering Mechanics” Conducted by Indian Institute of Technology Bombay from 26th November to 06th December 2013.
- Participated in the NPTEL Workshop organized by National program on Technology Enhanced Learning (IIT Madras) conducted on 9th August 2014 at K.S. Rangasamy College of Technology, Tiruchengode.
- Participated in the National Workshop on “Recent Trends in Plastics Engineering & Technology (RTPET-2011)” Organized by Madras Institute of Technology, Chennai from 06th -07th January 2011.
- Participated in the MNRE Sponsored National Seminar on “Current and Potential Issues in Renewable Energy Sources” during 28th & 29th August 2009 held at Kongu Engineering College, Erode.
- Participated in the Two day Workshop on “Pursuing Effective Research in Mechanical Engineering” during 18th & 19th November 2011 held at Knowledge Institute of Technology, Salem.

13. Funds Received to Organize the Seminar

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14. Invited Lecture Delivered

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15. Membership in Professional Bodies

- **Life Member**, Indian Society of Technical Education (ISTE) – LM 72793.

16. Awards and Recognitions

- Act As Mentor for a Project Titled “ Waste Management using Smart Dust Bin” and Participated in Innawah Competition held at IIT, Madras, conducted by PALS-IITM
- Achieved 100% result in more than 10 subjects and got appreciation certificate from management.

17. **Resrach Activities**

- **Area of Expertise/Research Interests**
 - Preparation and Characterization of Nanofluids
 - Evaluation of mechanical properties of steel Quenched in nanofluids.
- **PALS Department(Mechatronics) Co-ordinator**, PALS – IIT Alumni Industry Interaction Center, Chennai, since August 2017.
- **Departmnet Coordinator, Department of Mechatronics Engineering** Entrepreneurship Development Cell, K.S.Rangasamy College of Technology, Tiruchengode – 637 215
- **Complted a course on Materials Mangement in SAP**(Procurement Course TSCM50 & TSCM 52)

18. **Abroad Visit**

19. **Personal Details**

Fathers Name : K.Muniyan

Date of Birth & Age : 05.0.6.1981 & 38 Years

Gender : Male

Marital Status : Married

Permanent Address : **4/285,Anna Nagar**
Anangur Post
Kumarapalyam,
Namakkal-637304,
Tamilnadu, India.