

## BIO-DATA

### Personal Details

<b>Name</b>	Mahesh N Shelar
<b>Date of Birth</b>	Jan 7,1975
<b>Office Address</b>	Mechanical Engineering Department, K. K. Wagh Institute of Engineering Education and Research, Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik, Maharashtra, India - 422003
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### Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score(CPI /%age)
PhD	SPPU	COEP, Pune	August 2017	PhD
M. Tech (Energy Systems Engineering)	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	Jan 2003	8.2/10
B. E. (Mechanical Engineering)	Shivaji University, Karad	Govt College of Engg, Karad.	June 1996	66.00
H.S.C.	Pune Board	G.E.S.HAL Jr.College,Ozar, Nasik.	March 1992	85.00
S.S.C.	Pune Board	G.E.S.HAL High School ,Ozar.	March 1990	85.00

## Experience

Post held	Period	Institution	Approval Details
Professor	From 25.09.2019	KKWIEER	Ref No CCO/App/2967 (dated 9/12/2019)
Associate Professor	Since Dec 2010,Permanent approval from 24/08/2017	KKWIEER	REF CCO/9/4 dated 12/4/2018
Assistant Professor	01 August 2007	KKWIEER	Ref No CCO/App/81 (dated 9/10/2007)  Ref No CCO/Approval/ 126((dated 30/9/2009)
Lecturer	23 September 1998-01 August 2007	KKWIEER	Ref No CCO/ (dated 19/1/99 w.e.f 5/11/1998  Ref No CCO/73(dated 2/12/99)

## Papers Presented

### Journal Publications

- Shelar Mahesh, Kulkarni Govind, Thermodynamic and economic analysis of diesel engine based trigeneration systems for an Indian hotel, Sustainable Energy Technologies and Assessments 13 (2016) 60–67 (Elsevier Publications)
- Mahesh Shelar & G.N. Kulkarni (2015): Off grid diesel engine-based trigeneration systems with thermal storage and compression chiller for enhanced performance, International Journal of Sustainable Energy, DOI: 10.1080/14786451.2015.1063634 (Taylor and Francis Publications)

- Shelar Mahesh, Bagade Sunil, Kulkarni Govind (2016) Energy and Exergy analysis of diesel engine powered trigeneration systems, Energy Procedia, DOI: 10.1016/j.egypro.2016.11.167 (Elsevier Publications)
- Shelar Mahesh, Gaikwad Prasad, Kulkarni Govind (2016) Sizing curve for the design of diesel engine powered trigeneration systems, Energy Procedia, DOI: 10.1016/j.egypro.2016.11.203 (Elsevier Publications)
- V. S. Patil, M. N. Shelar, A. Ganesh, “Effect of additives on C.I. engine performance and emissions: An experimental investigation”, International Journal of Earth sciences and Engineering, 2012, 90-93.

### **International Conferences**

- V. S. Patil, M. N. Shelar, A. Ganesh, “Experimental Investigation on Optimization of Injection Temperature of Karanj Oil (Pongamia Pinnata) as a Substitute for Diesel in C. I. Engines”, ICAER 2019, December 2019 at IIT Bombay.
- Shelar Mahesh, Bagade Sunil, Kulkarni Govind (2015) Energy and Exergy analysis of diesel engine powered trigeneration systems, Proceedings of International conference on advances in energy research, 124-132, IIT Bombay, India.
- Shelar Mahesh, Gaikwad Prasad, Kulkarni Govind (2015) Sizing curve for the design of diesel engine powered trigeneration systems, Proceedings of International conference on advances in energy research, 124-132, IIT Bombay, India.
- Shelar Mahesh, Bagade Sunil, Kulkarni Govind, 2011, An approach for selection of diesel based cogeneration and Trigeneration system, Proceedings of International conference on advances in energy research, 338-342, IIT Bombay, India.
- Shelar Mahesh, Bagade Sunil, Kulkarni Govind, 2009, Waste heat recovery possibilities for a typical Indian hospital, Proceedings of International conference on advances in mechanical engineering, 36-40, SVNIT Surat, India.
- Shelar Mahesh, Bagade Sunil, Kulkarni Govind, 2009, An approach for selection of engine based cogeneration-cooling system, Proceedings of National Conference on Renewable Energy, Jodhpur, 89-92, NIT, Jodhpur, India.
- Shelar Mahesh, Bagade Sunil, Kulkarni Govind, 2009, Trigeneration for a typical Indian Hospital: An assessment considering compulsory load

management scenario, Proceedings of International conference on advances in energy research, 338-342, IIT Bombay, India.

### **Workshops/ STTP organised**

- Organised workshop on “Heat Transfer” at K. K. Wagh Engineering Institute, Nashik in collaboration with IIT Bombay from 29th November to 10th December 2011.
- Organised workshop on “Recent developments in power sector: Technology and policy” for staff and students at K. K. Wagh Engineering Institute, Nashik on 14th and 15th February 2018.
- Organised workshop on “Advanced Mobility” for Students at K. K. Wagh Engineering Institute, Nashik on 23rd February 2018 and 17th March 2018.

### **Consultancy**

- Consultancy in the area of Energy Audit to GMR, Goa.

### **Other achievements**

- Reviewer of Energy (Elsevier) journal

### **Memberships of Scientific and professional Societies**

- Life Member of Indian Society of Technical Education (ISTE). Membership: LM 29550
- Member of Indian Society of Mechanical Engineers(ISME)
- Life Member Solar Energy Society of India (SESI). Membership 0928/LM/2000
- Life Member of Institution of Engineers .Membership A-526073-7
- Member of ISHRAE