

Faculty Profile



1.Name of the Faculty : **D B Sivakumar**

2.Department and Designation : **Mechanical
Assistant Professor**

3.Date of Joining : **15-09-2008**

4.Faculty ID: **TF0048**

5. E-mail Address : **dbshivakumar@gmail.com**

6. Date of Birth : **20-01-1976**

7. Qualification : **B.E,M.E,Phd.(Pursuing)**

8.Specialization : **Thermal Engineering**

9. Professional Experience: **15 Years**

Sl no.	Designation	Name of the college	From date	To date
1	ASSISTANT PROFESSOR	University Departments of Anna University of Technology, Tiruchirappalli	15-09-2008	Till date
2	SENIOR LECTURER	Rajiv Gandhi Institute of Technology, Bangalore	17-12-2006	12-09-2008
3	LECTURER	East Point College of Engineering, Bangalore	18-11-2005	15-12-2006
4	LECTURER	Rajiv Gandhi Institute of Technology, Bangalore	21-10-2004	16-11-2005
5	LECTURER	MVJ College of Engineering, Bangalore	26-08-2001	14-08-2002
6	EXECUTIVE TRAINEE	Keerthi Industries, Mathur , Trichy	15-04-2000	25-10-2000

10. Research Guidance: **PG Project---14 projects**

11. Awards and Honours : ----NA-----

12. Sponsored Projects: -----NA-----

13. Patents:-----NA-----

14. Publications:

(i) International and national Journals : (along with Impact Factor):**13**

Authors	Title	Publication	Pages	Year
T. Senthil kumar, D. B. Sivakumar , D. Mala, M. Chandrasekar, T. Elango;	Performance evaluation of a single cylinder diesel engine fuelled with rice bran oil as alternate fuel	INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION CONTROL & MANAGEMENT	69-81	2009
M.Periasamy , D B.Sivakumar , Dr. T. Senthil kumar;	Dampening flow induced vibration due to branching of duct at elbow	INTERNATIONAL JOURNAL OF COMPUTATIONAL ENGINEERING RESEARCH ,VOLUME 2	1001-1004	2012
J. Donald joe, D B Sivakumar P. Sivakumar;	Production of hydrogen by anion exchange membrane using awe	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	38-42	2014
Pradeep . N, D B.sivakumar ,	Experimental analysis of automotive refrigeration system by WHR	INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH (IJAER) VOLUME 10	357-360	2015
R. Rajaram, Sivakumar,D.B	Increase of solar panel performance by cooling using Copper Sulfate hepta hydrate	INTERNATIONAL JOURNAL OF APPLIED ENGINEERING RESEARCH (IJAER) VOLUME 10	354-356	2015
Kannan, p; D B Sivakumar	Experimental study of nanofluids in automobile radiator	JOURNAL OF CHEMICAL AND PHARMACEUTICAL SCIENCES ISSN, 974	2115	2015
Pradeep . N, D B Sivakumar	Theoretical analysis of automotive refrigeration system by waste heat recovery	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH TRENDS IN ENGINEERING AND TECHNOLOGY (IJARTET) VOLUME 2	41-45	2015
N.Madhukrishnaa, D B Sivakumar Dr.M.Arulmozhi, Dr T.Senthilkumar, Dr M.Chandrasekhar;	Performance and emission analysis of cotton seed oil biodiesel with alumina nanoparticle additive	INTERNATIONAL JOURNAL OF RESEARCH SCIENCE AND ENGINEERING		2016
V.Ragavan, D B Sivakumar Dr.M.Arulmozhi, Dr T.Senthilkumar, Dr M.Chandrasekhar;	Emission analysis of dimethyl carbonate blended neem biodiesel blends on diesel engine	INTERNATIONAL JOURNAL OF RESEARCH SCIENCE AND ENGINEERING		2016

DB Sivakumar Dr.M.Arulmozhi, Dr T.Senthilkumar	Experimental study on performance and emission characteristics of a spark ignition engine with MTBE and DIPE	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, VOLUME 6	2309-2320.	2016
DB Sivakumar Dr.M.Arulmozhi, Dr T.Senthilkumar	Experimental investigation on the performance of si engine using oxygenate additives	ASIAN JOURNAL OF RESEARCH IN SOCIAL SCIENCES AND HUMANITIES, VOLUME 6	246-253	2016
R. Mahendrarvarman, DB Sivakumar P. Sivakumar;	Experimental study on performance and emission characteristics of a direct injection compression ignition engine with fe ₃ o ₄ nanoparticles	ADVANCES IN NATURAL AND APPLIED SCIENCES.	139-144	2016
Jesurar, K; DB Sivakumar B.Kumaragurubaran, Dr T.Senthilkumar	Heat enhancement in solar water heater	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE VOLUME 6 ISSUE 5	7314-7316	2016
M.Ravishankar, DB Sivakumar Dr T.Senthilkumar	Optimization and performance analysis of CI engine by using Transformer oil blends with diesel as alternative fuel	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE VOLUME 6 ISSUE 5	5235-5238	2016
S.Arunkumar, DB Sivakumar Dr T.Senthilkumar	Fabrication and performance analysis of Cooling Tower	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE VOLUME 6 ISSUE 5	5359-5362	2016

(ii) International Conferences:03

INTERNATIONAL CONFERENCE				
Sivakumar, D.B.; Arulmozhi.M.; Dr. T. Senthil kumar	Performance & emission of SI engine with oxygenated fuel	INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING, SCIENCE AND MANAGEMENT (ICASEM -2012) PAGES: 117 - 120, IEEE CONFERENCE PUBLIC	117-120	2012
P.Kannan, DB sivakumar;	Experimental study of nano fluids in automobile radiator	INTERNATIONAL CONFERENCE ON ENERGY EFFICIENT TECHNOLOGIES FOR AUTOMOBILES (EETA' 15)	173-176	2015
A.Balavignesh, DB Sivakumar;	Investigation on the single slope solar still with reflecting materials	INTERNATIONAL CONFERENCE ON ENERGY EFFICIENT TECHNOLOGIES FOR AUTOMOBILES (EETA' 15)	170-172	2015

(iii) National Conferences:04

NATIONAL CONFERENCE				
DB Sivakumar; P Navaneetha krishnan, M Arunkumar;	Performance investigation of R134A -DMA based 3 fluid VAR system	NATIONAL CONFERENCE ON INNOVATIONS IN ENGINEERING DESIGN	291-294	2014
Dr T.Senthilkumar DB Sivakumar; G Esther rani;	Performance test on single cylinder CI using algae	NATIONAL CONFERENCE ON INNOVATIONS ENGINEERING DESIGN	283-286	2014
P.Sindhuja, DB Sivakumar; P.Navaneetha krishnan, P Sivakumar;	Simulation of the performance of a refrigerator with modifications for energy efficiency enhancement	INNOVATIONS IN ENGINEERING DESIGN	247-251	2013

Narayanan, C.Saravanan, K.Ssubramanian, Sivakumar,D.B M. Sathyanandhan, R.Ssankaranarayanan;	Fabrication of Aluminium metal matrix composite –a review	NATIONAL CONFERENCE ON RECENT TRENDS AND DEVELOPMENTS IN SUSTAINABLE GREEN TECHNOLOGIES	82-87	2015
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(iv) Books Published (with ISBN number/ISSN number):**01**

Iyathantrakalin ikakaviyal (Dynamics of Machine, Tamil Version)-**Not Yet published**

14. CONFERENCES/WORKSHOPS/SEMINAR/ SHORT TERM REFRESHER COURSE ATTENDED: 15

SI No.	Course Title	Duration			Organizing institution and Sponsor
		From	To	No. Of Days	
1.	FOUNDATION SKILLS IN INTEGRATED PRODUCT DEVELOPMENT(FSIPD)	19/01/16	23/01/16	5	UCE,BIT CAMPUS ,TRICHY under TEQIP II with NASSCOM
2	AUTOMOTIVE MATERIALS	18/02/16	20/02/16	2	UCE,BIT CAMPUS ,TRICHY under TEQIP II
3	ADVANCED MANUFACTURING METHODS AND MATERIALS	22/06/16	06/07/16		UCE,BIT CAMPUS ,TRICHY under TEQIP II
4	THERMAL ENGINEERING APPLICATION FOR SUSTAINABLE MOVEMENT	15/06/15	28/06/15	14	UCE,BIT CAMPUS ,TRICHY under TEQIP II
5	ADVANCED MANUFACTURIG PROCESS	20/05/15	02/06/15	14	UCE,BIT CAMPUS ,TRICHY under TEQIP II
6	INNOVATION N ENGINEERING DESIGN	29/4/14	30/04/14	2	ANNA UNIVERSITY,BIT CAMPUS ,TRICHY under TEQIP & SAE
7	RECENT ADVANCES IN MATERIAL CHEMISTRY	07/03/14	08/03/14	2	ANNA UNIVERSITY,BIT CAMPUS ,TRICHY with SCIENCE ACADEMICS
8	RESEARCH AVENUES IN WELDING TECHNOLOGY	01/08/13	08/08/13	8	ANNA UNIVERSITY,BIT CAMPUS ,TRICHY under TEQIP II
9	RECENT TRENDS IN RENEWABLE AND NON RENEWABLE ENERGY RESOURCES	26/08/13	01/09/13	7	ANNA UNIVERSITY,BIT CAMPUS ,TRICHY under TEQIP II
10	ENGINEERING GRAPHICS	23/07/13	27/07/13	5	CENTRE FOR FACULTY DEVELOPMENT,ANNA UNIVERSITY CHENNAI and TEQIP II
11	BIO FUEL ENGINE AND ITS APPLICATIONS	21/02/13	22/02/13	2	ANNAMALAI UNIVERSITY with MINISTRY OF EARTH SCIENCE

12	HEAT AND MASS TRANSFER	17/12/12	24/12/12	8	CENTRE FOR FACULTY DEVELOPMENT, ANNA UNIVERSITY CHENNAI
13	INDUSTRIAL EFFLUENT TREATMENT-EMERGING TRENDS	11/06/12	15/06/12	5	ANNAMALAI UNIVERSITY with CSIR &ISTE
14	IEEE -INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING ,SCIENCE AND MANAGEMENT	30/03/12	31/03/12	2	EGS PILLAI ENGINEERING COLLEGE with IEEE
15	ADVANCES IN MATERIAL JOINING	29/09/10	29/09/10	1	ANNA UNIVERSITY ,TRICHY

15. ~~CONFERENCES/WORKSHOPS/SEMINAR~~ ORGANISED: **01**

Sl No.	Course Title	No. Of Days	Organizing institution and Sponsor
1	A WALK WITH NANOCALOR	1	ANNA UNIVERSITY, BIT CAMPUS ,TRICHY under TEQIP

16. Other contribution (if any)

Present:

- Coordinator for Student affairs
- Department Test Coordinator
- Department Thermal Lab in-charge

Past:

- Department Placement Coordinator
- Department Test Coordinator
- Department Dynamics Lab established and in-charge
- Department Fuels and Lubricants Lab in-charge