

Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato

Dichiarazione sostitutiva di certificazioni

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

Dichiarazione sostitutiva dell'atto di notorietà

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	D.R. n 1478 del 16.12.2023
Informazioni aggiornate al	14/06/2024
Nome e Cognome	Mohamed Shameer Peer Mohamed
Data di nascita	21/07/1992

Job experience

Periodo	Ente	Principali attività e responsabilità
Mar 2021 – Present 3 Years & 3 Months	Research - Associate Professor <i>V V College of Engineering, Tirunelveli, India</i>	Taught mechanical science for under graduate and post graduate students (awarded teaching certificate of distinction) <u>Involved in research projects</u> Installation of Terrace Air Source HPWH Integrated with Solar panel for VEEMA Hospital
Oct 2017 – Feb 2021 3 Years & 5 Months	Research - Assistant Professor <i>V V College of Engineering, Tirunelveli, India</i>	Taught mechanical science for under graduate students (awarded teaching certificate of distinction) <u>Involved in research projects</u> Installation of Terrace Air Source HPWH Integrated with Solar panel for SUGAM Hospital
Apr 2017 – Sep 2017 6 Months	Senior Research Fellow <i>Government College of Technology, Coimbatore, India</i> FUNDING AGENCY: <i>Council of Scientific and Industrial Research (CSIR), New Delhi, India</i>	<u>Involved in research projects</u> 1. PhD Research: Investigation on Biofuel Stability and Thermal analysis of NOX emission with Thermal Imager 2. Assist for PhD Researcher: Dual Axis Solar Panel Tracking Complete Mechanical Arrangement
July 2015 – Mar 2017 1 Year & 8 Months	Teaching Research Associate <i>Government College of Technology, Coimbatore, India</i> FUNDING AGENCY: <i>Technical Education Quality Improvement Programme, Government of India</i>	Designed lesson plans and taught mechanical science for under graduate and post graduate students <u>Involved in research projects</u> PhD Research: Investigation on Biofuel Stability and Thermal analysis of NOX emission with Thermal Imager
Sep 2013 – May 2015 1 Year & 4 Months	Hourly Based Lecturer <i>Government College of Technology, Coimbatore, India</i>	Taught mechanical science for under graduate students <u>Involved in research projects</u> Analysis of Forced Draft Cooling Tower Performance Using Ansys Fluent

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
2015-2018	PhD- Mechanical Engineering	cGPA: 8.75/10 (First Class with Distinction) Research Funded by two Government Fellowships
2013-2015	POST GRADUATE- Thermal Engineering	cGPA: 8.937/10 (First Class with Distinction) Research Funded by one Government Fellowships
2009-2013	UNDER GRADUATE- Mechanical Engineering	cGPA: 8.919/10 Three times Gold medalist (UNIVERSITY RANK)

Publications

1	Mohamed Shameer P and Ramesh K. “Assessment on the consequences of injection timing and injection pressure on combustion characteristics of sustainable biodiesel fuelled engine”. ELSEVIER Science Ltd. Renewable and Sustainable Energy Reviews vol.81, pp.45–61. July 2017. (IMPACT FACTOR – 15.9) (SCI & SCOPUS INDEXED). Link - http://dx.doi.org/10.1016/j.rser.2017.07.048
2	Mohamed Shameer P , Ramesh K, Sakthivel R and Purnachandran R. “Effects of fuel injection parameters on emission characteristics of diesel engines operating on various biodiesel: A review”. ELSEVIER Science Ltd. Renewable and Sustainable Energy Reviews vol.67, pp.1267–1281. October 2016. (IMPACT FACTOR – 15.9) (SCI & SCOPUS INDEXED). Link - http://dx.doi.org/10.1016/j.rser.2016.09.117
3	Mohamed Shameer P , Ramesh K. “Experimental evaluation on performance, combustion behavior and influence of in-cylinder temperature on NOx emission in a D.I diesel engine using thermal imager for various alternate fuel blends”. Pergamon-ELSEVIER Science LTD. Energy vol.118 pp.1334-1344.January 2017. (IMPACT FACTOR – 9) (SCI & SCOPUS INDEXED). Link - http:// dx.doi.org/10.1016/j.energy.2016.11.017
4	P. Mohamed Shameer , K. Ramesh. “FTIR assessment and investigation of synthetic antioxidant on the fuel stability of Calophyllum inophyllum biodiesel”. ELSEVIER Science Ltd. Fuel vol.209 pp.411–416. August 2017. (IMPACT FACTOR – 7.4) (SCI & SCOPUS INDEXED). Link - http://dx.doi.org/10.1016/j.fuel.2017.08.006
5	P. Mohamed Shameer and P. Mohamed Nishath. “Experimental investigation on engine characteristics fueled with waste HDPE oil and study on NOx emission variation using thermal imager”. SPRINGER. Environmental Science and Pollution Research 26(4) (2019) 3436-3446. (IMPACT FACTOR – 5.8) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s11356-018-3830-0
6	Mohamed Shameer P , Ramesh K. “Study on clean technology-assisted combustion behavior and NOx emission using thermal imager for alternate fuel blends”. SPRINGER Publications. International Journal of Environmental Science and Technology vol. 14 (12) 2759-2768. May 2017 (IMPACT FACTOR – 3.1) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s13762-017-1353-8
7	Mohamed Shameer P , Ramesh K. “Influence of antioxidants on fuel stability of <i>Calophyllum inophyllum</i> biodiesel and RSM-based optimization of engine characteristics at varying injection timing and compression ratio”. SPRINGER Publications. ISSN: 1806-3691 (Online version). Journal of Brazilian Society of Mechanical sciences and technology vol. 39 (11) pp. 4251-4273. November 2017. (IMPACT FACTOR – 2.2) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s40430-017-0884-8
8	Mohamed Shameer P , Ramesh K, “FTIR evaluation on the fuel stability of calophyllum

<p>inophyllum biodiesel: Influence of tert-butyl hydroquinone (TBHQ) antioxidant”. SPRINGER Publications. Journal of Mechanical Science and Technology vol.31 (7) pp.3611-3617. July 2017. (IMPACT FACTOR – 1.6) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s12206-017-0648-5</p>
<p>9 Mohamed Shameer P, Ramesh K, “Green technology and performance consequences of an eco-friendly substance on a 4-stroke diesel engine at standard injection timing and compression ratio”. SPRINGER Publications. Journal of Mechanical Science and Technology vol.31 (3), pp.1497-1507. March 2017. (IMPACT FACTOR – 1.6) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s12206-017-0249-3</p>
<p>10 Mohamed Shameer P, Ramesh K, Sakthivel R and Purnachandran R, “Experimental Evaluation on Oxidation Stability of Biodiesel/Diesel Blends with Alcohol Addition by Rancimat Instrument and FTIR Spectroscopy”. SPRINGER Publications. Journal of Mechanical Science and Technology vol.31 (1), pp.455-463. January 2017. (IMPACT FACTOR – 1.6) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s12206-016-1248-5</p>
<p>11 P. Mohamed Shameer and P. Mohamed Nishath. “Investigation and enhancement on fuel stability characteristics of biodiesel dosed with various synthetic antioxidants”. SAGE Publication. Energy and Environment. 29(7) (2018) 1189-1207 (IMPACT FACTOR – 4.2) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1177/0958305X18772415</p>
<p>12 Mohamed Shameer P, Ramesh K, Purnachandran R and Sakthivel R, “Effects of injection timing and injection pressure on biodiesel fuelled engine performance characteristics: A review”. Asian Journal of Research in Social Sciences and Humanities vol.7 (2), pp. 310-330. February 2017. (IMPACT FACTOR – 0.676). Link - 10.5958/2249-7315.2017.00093.4</p>
<p>13 Mohamed Shameer P, Ramesh K, Sakthivel R and Purnachandran R, “Assessment on the influence of compression ratio on the performance, emission and combustion characteristics of diesel engine fuelled with biodiesel”. Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 12, pp. 344-372. December 2016. (IMPACT FACTOR – 0.676). Link - 10.5958/2249-7315.2016.01297.1</p>
<p>14 Mohamed Shameer P, Ramesh K, Sakthivel R and Purnachandran R, “Studies on correlation between NOx and In-cylinder temperature in a D.I diesel engine using FLUKE Thermal Imager for different alternate fuel blends”. Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 12, pp. 373-389. December 2016. (IMPACT FACTOR – 0.676). Link - 10.5958/2249-7315.2016.01298.3</p>
<p>15 Sakthivel R, Ramesh K, Purnachandran R and Mohamed Shameer P. “A review on the properties, performance and emission aspects of the third generation biodiesels”. ELSEVIER Science Ltd. Renewable and Sustainable Energy Reviews vol. 82 pp.2970-2992. November 2017 (IMPACT FACTOR – 15.9) (SCI & SCOPUS INDEXED). Link - http://dx.doi.org/10.1016/j.rser.2017.10.037</p>
<p>16 Krishnamoorthi M, Malayalamurthi R and Mohamed Shameer P. “RSM based optimization of performance and emission characteristics of DI compression ignition engine fuelled with diesel/aegle marmelos oil/diethyl ether blends at varying compression ratio, injection pressure and injection timing”. ELSEVIER Science Ltd. Fuel 221 (2018) 283–297. 8 February 2018 (IMPACT FACTOR – 7.4) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1016/j.fuel.2018.02.070</p>
<p>17 P. Mohamed Nishath, A. Krishnaveni and P. Mohamed Shameer. “Assessment of antioxidant impact on fuel stability and emission personality for Alexandrian laurel and Poison nut biodiesel”. ELSEVIER Science Ltd. Fuel 278 (2020) 118313. (IMPACT FACTOR – 7.4) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1016/j.fuel.2020.118313</p>
<p>18 Sakthivel R, Ramesh K, Mohamed Shameer P and Purnachandran R. “Experimental investigation on improvement of storage stability of bio-oil derived from intermediate pyrolysis of Calophyllum inophyllum seed cake”. ELSEVIER Science Ltd. Journal of the</p>

<p>Energy Institute 92(3) (2019) 768-782. (June 2019) (IMPACT FACTOR – 5.7) (SCI & SCOPUS INDEXED). Link -https://doi.org/10.1016/j.joei.2018.02.006</p>
<p>19 Purnachandran R, Ramesh K, Mohamed Shameer P and Sakthivel R. “Assessment of n-pentanol/<i>Calophyllum inophyllum</i>/diesel blends on the performance, emission and combustion characteristics of a constant speed variable compression ratio Direct Injection diesel engine”. SPRINGER. Environmental Science and Pollution Research 25(14) (2018) 13731-13744. (Published online: 05 March 2018). (IMPACT FACTOR – 5.8) (SCI & SCOPUS INDEXED). Link -https://doi.org/10.1007/s11356-018-1566-5</p>
<p>20 Nagarajan S, Nagarajan A, Mohamed Shameer P. “An experimental investigation on waste fishing net as an alternate fuel source for diesel engine”. SPRINGER. Environmental Science and Pollution Research 26 (2019) 20530–20537. (IMPACT FACTOR – 5.8) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s11356-019-04654-9</p>
<p>21 Purnachandran R, Ramesh K and Mohamed Shameer P. “Optimization in the performance and emission parameters of a DI diesel engine fuelled with pentanol added <i>Calophyllum inophyllum</i>/diesel blends using response surface methodology”. SPRINGER. Environmental Science and Pollution Research 25(29) (2018) 29115-29128. (IMPACT FACTOR – 5.8) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s11356-018-2867-4</p>
<p>22 Sakthivel R, Ramesh K, Mohamed Shameer P and Purnachandran R . “A Complete analytical characterization of products obtained from pyrolysis of wood barks of <i>Calophyllum inophyllum</i>”. SPRINGER. Waste and Biomass Valorization 10(8) (2019) 2319-2333. (Published online: 21 February 2018, offline: August 2019) (IMPACT FACTOR – 3.2) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1007/s12649-018-0236-7</p>
<p>23 J. Senophiyah-Mary, R. Loganath, P. Mohamed Shameer. “Deterioration of cross linked polymers of thermoset plastics of e-waste as a side part of bioleaching process”. ELSEVIER Science Ltd. Journal of Environmental Chemical Engineering 6(2) (2018) 3185-3191. (IMPACT FACTOR – 7.7) (SCI & SCOPUS INDEXED). Link - https://doi.org/10.1016/j.jece.2018.04.061</p>
<p>24 Anantha kumar S, Sankar Ganesh S, Mohamed Shameer P, Somesh Subramanian (2021), "A Compilation of Biomass and Synthesis Gas Modern Advancements on Environment - from Green Energy Production to Storage", Design Engineering 9 (2021) 1691-1722. (IMPACT FACTOR – 1.41) (SCOPUS INDEXED). Link</p>
<p>25 K. Ramesh, S. Parimala Murugaveni and P. Mohamed Shameer. “INVESTIGATIONS ON THE PERFORMANCE AND EMISSION CHARACTERISTICS OF A DI-DIESEL ENGINE FUELLED WITH MAHUA BIODIESEL”, International Journal of Applied Engineering Research (IJAER), Vol. 10 No.61, pp.1-6. May 2015. Link</p>
<p>26 K. Ramesh, S. Usha, U. Ameer Abbas and P. Mohamed Shameer. “INVESTIGATIONS ON THE PERFORMANCE AND EMISSION CHARACTERISTICS OF ENZYMATIC COCONUT OIL-DIESEL BLEND IN A DI DIESEL ENGINE”, SSRG International Journal of Mechanical Engineering (SSRG-IJME), Volume 2 Issue 5, Page No 28-32. May 2015. Link</p>
<p>27 S. Parimala Murugaveni and P. Mohamed Shameer. “ANALYSIS OF FORCED DRAFT COOLING TOWER PERFORMANCE USING ANSYS FLUENT SOFTWARE”, International Journal of Research in Engineering and Technology (IJRET), Volume 4 Issue 4, Page No 217-229. April 2015. Link</p>
<p>28 R. Sakthivel and P. Mohamed Shameer. “EFFECT OF POLYETHYLENE GLYCOL IN GAS SENSING BEHAVIOUR OF COMPOSITE COATING OF MAGNESIUM OXIDE AND ALUMINIUM OXIDE”, International Journal of Science and Research (IJSR), Volume 4 Issue 2. Page No 183-189. February 2015. Link</p>
<p>29 P. Mohamed Shameer and P. Mohamed Nishath. “DESIGNING AND FABRICATION OF DOUBLE PASS SOLAR AIR HEATER INTEGRATED WITH THERMAL STORAGE”, International Journal of Science and Research (IJSR), Volume 4 Issue 1,</p>

Page No 1909-1914. January 2015. [Link](#)

30 P. Mohamed Shameer and D. Christopher. “DESIGN OF EXHAUST HEAT RECOVERY POWER GENERATION SYSTEM USING THERMO-ELECTRIC GENERATOR”, **International Journal of Science and Research (IJSR)**, Volume 4 Issue 1, Page No 1522-1526. January 2015. [Link](#)

Altre attività scientifiche

Government Funded Project Fellowships

- Apr 2021 - **BOYA Postdoctoral Fellowship** - Peking University (*World Rank - 16*), Beijing, China. (Selected as one of the 11 Foreign Researchers.).
- Apr 2017 - **Senior Research Fellowship** - Council of Scientific and Industrial Research (CSIR), Government of India
- July 2015 - **TEQIP-II PhD Fellowship** - Technical Education Quality Improvement Programme, Government of India
- Sep 2013 - **TEQIP-II PG Fellowship** - Technical Education Quality Improvement Programme, Government of India

Patents - 3 Nos

- **2 Australian** Patents - *Published*
- **1 Indian** Patent - *Published*

Journals - 30 NOs

- **5 Review** Papers including **3 papers** in **ELSEVIER- Renewable and Sustainable Energy Reviews**
- **24 Research** Papers including **6 Elsevier** papers, **10 Springer** Papers, **1 Sage** Paper and others

Book Chapters - 5 NOs

- **1 Elsevier** book chapter and **4 Springer** book chapters

Books - 5 NOs

- **5 Lambert** Books

Conferences Presented - 11 NOs

Ulteriori informazioni pertinenti

Mar 2023 - **Teaching Excellence Award** - V V College of Engineering

May 2019 - **Teaching Excellence Award** - V V College of Engineering

Dec 2018 - **International Best Researcher Award** - International American Council for Research and Development, USA

Oct 2018 - **Best Young Scientist National Award**- IRDP Group of Journals

Dec 2018 - **Best Researcher Award** - DK International Research Foundation, Chennai

Dec 2017 - **Research Excellence Award** - MT Research and Educational Service, New Delhi

May 2014 - **University Rank Holder Medal** – Anna University, India

May 2014 - **Gold Medal** for 2012-2013 Academic result – National College of Engineering, India

May 2013 - **Gold Medal** for 2013-2012 Academic result – National College of Engineering, India

May 2012 - **Gold Medal** for 2012-2011 Academic result – National College of

Engineering, India
Sep 2011 - Best Paper Award - Government College of Engineering, Bargur

Data: 14.6.2024

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