



SYED EHTISHAM GILLANI

Lecturer

Department of Mechanical Technology

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EDUCATION

M.S. Mechanical Engineering, Feb 2016

Ghulam Ishaq Khan (GIK) Institute of Engineering Sciences and Technology, Topi, Pakistan

B.S. Mechanical Engineering, June 2013

University of Engineering and Technology, Peshawar, Pakistan

AWARDS AND ACHIEVEMENTS

- **Gold Medal** in Graduate Engineering Program 2016, GIK Institute.
- **Dean's Roll of Honor**, GIK Institute, Fall Semester, 2015.
- **Full MS Scholarship**, GIK Institute, 2014–2016.

TEACHING INTERESTS

IC Engines, Thermodynamics, Power Plants, Heat and Mass Transfer, Industrial Materials.

RESEARCH INTERESTS

Bio Fuels, Internal Combustion Engines, Renewable Energy Systems, Energy Conversion and Conservation.

EXPERIENCE

- **Lecturer, Department of Mechanical Technology**, Aug 2016 – Present
University of Technology Nowshera, KPK, Pakistan
- **Lecturer, Mechanical Engineering Department**, Apr 2016 – Aug 2016
Sarhad University of Science and Information Technology, KPK, Pakistan
- **Teaching Assistant/ Lab Engineer, Faculty of Mechanical Engineering**, 2014–2016
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, KPK, Pakistan

SOFTWARE SKILLS

- AVL INDICOM combustion data analysis software.
- OriginLab
- Wordpress
- MS PROJECT
- AutoCAD

RESEARCH PROJETS

- Improvement of diesel engine efficiency fuelled with biodiesel using butanol fumigation
- Investigation of effects of butanol-biodiesel blends on diesel engine performance
- Design and fabrication of small scale portable engine test bed

RESEARCH PUBLICATIONS

1. M.G. Bannikov., J.A. Chattha and **S.E. Gillani**, “Increasing the efficiency of a diesel engine running on biodiesel through butanol fumigation”. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*. ISSN 1556-7036. Vol. 38, No. 22, pp 3360–3366, (2016).
<http://dx.doi.org/10.1080/15567036.2016.1146807>
 2. M.G. Bannikov., **S.E Gillani** and I.P Vasilev, “Effects of alcohol additives on diesel engine performance and emissions”. *Journal of International Scientific Publications: Materials, Methods& Technologies*, ISSN 1314-7269, Vol. 9, pp 8-19, (2015). <http://www.scientific-publications.net/get/1000015/1432901127533629.pdf>
 3. M.G. Bannikov., I.P. Vasilev and **S.E. Gillani**, “Performance of diesel engine fuelled with butanol-biodiesel blends”. *15th International Multidisciplinary Scientific GeoConference Proceedings*. ISBN 978-619-7105-38-4 / ISSN 1314-2704, Book 4, pp 357-378, (2015).
<http://dx.doi.org/10.5593/SGEM2015/B41/S17.049>
 4. M.G. Bannikov and **S.E. Gillani.**, “Use of biofuels in Pakistan: current state and perspective”, *14th International Multidisciplinary Scientific GeoConference Proceedings*. ISBN 978-619-7105-15-5/ISSN 1314-2704, Book 4, Vol. 1, pp 589-596, (2014)
<http://dx.doi.org/10.5593/SGEM2014/B41/S17.077>
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