Curriculum Vitae

Hasan Mahmud

Bangabandhu Chair Researcher, Doctoral student, Energy policy planning and economics,
Sustainable Energy Transition Program, Department of Energy, Environment and Climate change,
Asian Institute of Technology, Thailand.
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EDUCATION:

Studying PhD in Energy policy planning and Economics

Enrolled In January 2018.
Research Topic: Sustainability challenges and solution pathways for the energy sector in Bangladesh: Implications for development.

Masters in Petroleum Engineering, (April, 2015)

Bangladesh University of Engineering & Technology,
Specialization: Drilling, Reservoir Simulation, Petroleum Production.
Thesis Title: Production optimization of Kailashilla Gas Field

B. Sc. in Chemical Engineering & Polymer Science. (April, 2007)

Shah Jalal University of Science & Technology
Thesis Title: Natural Gas Processing in Bangladesh

PROFESSIONAL EXPERIENCE:

Deputy Manager (Technical), April 2009 onwards
Sylhet Gas Fields Limited (A company of Petrobangla).
(On deputation)

Working as Bangabandhu Chair Researcher at Asian Institute of Technology (AIT), Thailand since 2018. Bangabandhu Chair was established in AIT by the Government of Bangladesh to conduct research on sustainable energy solutions for Bangladesh.

PUBLICATIONS & PRESENTATIONS:

Mahmud H., Roy J., (2020). Sustainable Energy Sector for Fast Growing Economy like Bangladesh: How Relevant are the Past Asian Precedents? International Energy Journal 20 (3A), 381-394.

Roy, J., **Mahmud H.**, Assadi, M, Iman N., Nikpey H., (2020). Moving beyond Gas: Can Bangladesh Leapfrog and Make the Energy Transition Just by Exploring the Role of Geothermal Energy and Gas Infrastructure? International Energy Journal 20 (3A), 395-410.

Roy J., **Mahmud, H.**, Assadi, M., (2019). Drilling technology system: a win-win solution for just transition, leapfrog and international partnership Case study of Bangladesh. *International Conference on Applied Energy 2019 (ICAE2019).*Vasteras, Sweden.

Mahmud H., Tinni E., & Mahmud S. (2018). Drilling Challenges: A Case Study of Rashidpur Field. *Journal of nature science and sustainable technology, 12*(3), 189-197.

Mahmud H., Huque M. M., Rahman M. M. , Islam HO., (2018). Recompletion of KTL-5 Well: An Investigation Of Excessive Water Production. Journal of Nature Science and Sustainable Technology 12 (4), 221-227.

Mahmud H., Huque M. M. & Manadal P. C. (2017). Developing Optimum Production Strategy of Kailashtilla Gas Field and Economic Analysis. In: Awang M., Negash B., Md Akhir N., Lubis L., Md. Rafek A. *(eds) ICIPEG 2016*. Springer, Singapore.

PROFESSIONAL MEMBERSHIPS:

Society of Petroleum Engineers (SPE) (2008 onwards)
The Institute of Engineers, Bangladesh (IEB) (2011 onwards)

LANGUAGES:

Fluent in Bangla & English.

OTHER SKILLS:

Computer literacy: proficient in Microsoft Office applications, C+, SPSS, R etc
Can work with various energy-economy model based software, reservoir simulation & well test software.

REFERENCE:

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