Call for Proposals

Arba Minch University, Renewable Energy Technology Research Center is pleased to Announce Call for Proposal on the Following Research Areas for (2022/23) 2015 E .C

Thematic area: Renewable Energy Resource Assessment, Technology Development and Adaptation

RESEARCH AREAS	Description
SOLAR ENERGY	• Solar PV system (Photovoltaics Applications) • Solar-thermal power systems • Solar energy systems integration • Energy Storage Technologies • Efficient Solar System Components • Solar manufacturing and competitiveness • Control and monitoring of Solar PV systems • Economic Analysis of solar Energy
WIND ENERGY	• Wind Energy Applications • Wind conditions (Aerodynamics of Wind Energy) • Wind turbine Technology • Wind energy integration • Economic Analysis of wind energy

BIO-ENERGY	• Biomass Energy Conversions;
	• Bio-products and Bio-power technologies
	• Waste to energy technology
	• Biogas Technologies
	  ○ Improved cooking stove design and development
	  ○ Design and development of briquetting machine
	• Bio-fuel Technologies
	• Economic Analysis of Bio-energy

SMALL HYDRO POWER	• Small Hydropower resource assessment; • Small Hydropower applications; • Design developments of cost effective Small Hydropower components; • Small Hydropower integration • Control and monitoring systems for Small-Hydropower system
GEOTHERMAL ENERGY	• Geothermal energy resource Assessment (Convective & Hydrothermal) • Geothermal Energy Applications • Geothermal Energy Integrations • Economics of Geothermal Energy

Contact person

Sodessa Soma Mobile: 0910057977

Email: sodessa.soma@amu.edu.et

Address

AMiT, Renewable Energy Technology Research Center (New AMiT/AWTI building 2nd floor)

Grant Type:

- **Small Scale Research**
  - ⇒ The nature of the proposal shall be demand driven, contribute to the implementation of the national development strategy, and be able to produce a publishable and applicable finding.
  - ⇒ A PhD student attending study in AMU is encouraged to compute for this scheme with one or two of the objectives of the approved dissertation.
  - ⇒ Multidisciplinary nature is more appreciated
  - ⇒ Maximum allowable budget is **175,000** (One Hundred Seventy-Five Thousand) ETB per proposal
- **Small Grants for Young Researchers**
  - ⇒ Maximum budget granted for Graduate Assistant and Assistant Lecturer is **50,000** (Fifty Thousand) ETB
  - ⇒ For Self-Sponsored MSc Student Maximum budget is **25,000** (Twenty-Five Thousand) ETB per approved thesis proposal

Important Information:

- ⇒ **Format:** Submitted proposal must be based on AMU Research Guideline Annex 1.
- ⇒ **Submission Deadline:** September 20, 2022
- ⇒ **Proposal Defense:** October 03, 2022
- ⇒ Submit your proposal both in hard & soft copy (word file only) via sodessa.soma@amu.edu.et or retrc@amu.edu.et

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Grant Type:

- **Comprehensive Grand Research Project**
  - ⇒ Should cover from baseline study to intervention;
  - ⇒ Shall be multidisciplinary involving different professionals from different disciplines in the University and external stakeholders;
  - ⇒ Minimum of five researchers (of which two are senior), minimum one PhD and one or two Master student;
  - ⇒ Max. Budget is **1,750,000 ETB** with max. duration of five years;
- **Multidisciplinary Grants Research project**
  - ⇒ Should include at least three sub themes and at least two researchers in each sub themes;
  - ⇒ Minimum of *six* researchers (of which two are senior), minimum one PhD and one or two Master student;
  - ⇒ Max. Budget **1,000,000 ETB** with max. duration of *three* year;
- **Special Female Research Project**
  - ⇒ Eligible to only two or more female staff with Master or above degree, female PhD student at AMU
  - ⇒ Max. Budget **185,000 ETB** with max. duration of one year

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