

**SEE- Award** (name "Herman Potočnik – Noordung Award" proposed by MHEST) for  
**Research Infrastructure Donations within the Framework of RTDI Collaboration  
 with West Balkan Countries**

**Research Infrastructure needs**  
**- Application form for Scientific & Research Institutions from West Balkan Countries**

<b>Section A – General information</b>
<b>A.1 Contact details</b>
Name of applicant /(institution) Agromediterranean faculty University "Džemal Bijedic" Mostar BiH
Legal status / Type of organisation: Educational institution
Address (Street name, ZIP code, town): USRC Midhad Hujdur-Hujka, 88 104 Mostar
Telephone no.: 00387 36 571 388 Fax no.: 00387 36 571 388 e-mail: af@unmo.ba web address/url: <a href="http://www.af.unmo.ba">www.af.unmo.ba</a>
represented by (name of person legally responsible) Dean prof. dr. Ahmed Dzibur
Name of the contact person Doc. dr. Semina Hadziabulic
Address (if different from address stated above)
Telephone no.: 0038763346188 Fax no.: 00387 36 571 388 e-mail: semina_mo@yahoo.com web address/url:
<b>A.2 Applicant (Institution) profile (half page A4)</b>
<p>Agromediterranean faculty started its functioning as the member of University "Džemal Bijedić" Mostar. The faculty was organized due to the need of this region for young experts who would develop specific fruit-wineyard and vegetable – flower production in agro ecological conditions in submediterranean region of BiH. Faculty is located in University centre "Midhad Hujdur - Hujka" in Mostar.</p> <p>The faculty is providing theoretical lectures and obligatory practice which is carried out in the laboratory conditions and as the part of the field work.</p> <p>Laboratory for practical educational work exists, but without adequate infrastructure research equipment.</p> <p>This faculty teaching staff maintain cooperation with a lot of similar institutions all around the territory of ex Yugoslavia, as well as with faculties of EU.</p>

**Section B – Description of the research infrastructure requirements/needs**

**B.1 Please list your research infrastructure requirements – the most urgent equipment you would need.**

- gas chromatography
- Rotavapor R-205
- spectrophotometer
- ICPMS element analyser
- digital analytical scale (macro, semi micro and micro) – with belonging equipment
- water analyzer
- autoclave
- PCR
- Sequencer
- UV lamp
- frigerator for cryopreservation
- sterilizator
- microbiological incubator or termostat
- imersion michroscop
- polarimeter
- refractometer

**B.2 Describe the relevance of the requested research infrastructure for the work of your institution and the potential impact of receiving the items listed above (B.1).**

Purchase of this above mentioned equipment will help us to finalise laboratory equipment and we would be able to conduct more quality lecturing. Long term aim of our institution is also to find possibilities to provide additional means for functioning of this institution.

We could also make ourselves more competent in providing of services to the community. This equipment could also be used for:

- includes control of organic agricultural products
- genetically categorization of plant species
- beginning of use HACCP system
- special form of services would imply issuance of certificates for organic produced products
- border vicinity gives possibility for providing of services border services in quality control of imported raw materials and products
- environmental protection

Our laboratory goal would be to become institution capable for issuance of HACCP certificates. At the beginning, we could engage an agency to organize course on use of HACCP system and we would be in charge to conduct all the analysis which would support regularity of organic agricultural product. Analysis would include microbiological and health regularity of food.

These analysis includes:

- microbiology
- determination of rests of heavy metals in final products
- determination of pesticide rests in final products

Besides the above mentioned, the biggest emphasise and the goal of our institution would preservation of autochtonous plant species.

**B.3 Please indicate the potential users of the requested equipment.**

Major potential users of the above listed equipment would be teaching staff and students. Such equipment would help to students to have easier work on their final exam which would be based on laboratorial work. This would also help to improve education of teaching staff in their master degree exams and doctors dissertation. The equipment would be used by teaching staff for practical lecturing, research work and all the other educational purposes. However indirect use from our in future well equipped laboratory would have:

- local farmers and food processors (analysis of their raw materials and final products)
- analysis of water, soil and air for need of wider community
- governmental and non governmental organizations which are involved in agriculture production and environmental protection

**B.4 Please describe the training needs of your institution related to the requested equipment**

Since the above mentioned equipment is mostly sensitive and sophisticated equipment, training is necessary and welcome, so this equipment will be adequately used.

**B.5 Please indicate if there is assistance needed with regard to the transportation and maintenance related to the requested equipment**

Transport would depend on the place of equipment purchase, while maintenance would be mostly appreciated.

**B.6 Additional Comments**

Priority of our institution would be improvement of scientific – lecturing process, so our aim is, apart from the existing equipment, purchase of the above mentioned sophisticated equipment .

This part of BiH provides extremely good conditions for development of agricultural production especially production of submediterranean products focusing on organic production, so this institution sees there large possibilities in education and training of perspective young people which would be unreplaceable for future life of BiH in European integrations. Integrations of BiH into EU family would demand big changes of educational system as well as organization of agriculture in EU principles, where our institution should have significant role.

Please fill in and return the form by email to the contact person in your country

Place, date: **Mostar, 12.11.2007**

Signature and Stamp of applicant

---