

*Welcome!*



# ***RESEARCH AND DEVELOPMENT STATION FOR VITICULTURE AND WINEMAKING BUJORU***



The Bujoru Viticulture and Wine Development Research Station was established on 1 March 1977 in order to develop viticulture in the counties of Galati and Braila.

The Bujoru Viticulture and Wine Development Research Station is part of the A.S.A.S. "Gheorghe Ionescu Sisesti" Bucharest. The unit is reorganized according to Law 45/2009, modified by Law 72/2011, in a public institution, with legal personality, financed from own revenues.

**The activity of the unit is structured in two sectors:** Research and development

• Since the first years of its activity, the Bujoru Viticulture and Wine Development Research Station has imposed itself as a scientific institution, strongly anchored in the area of viticulture in the area with the following objectives:

- development of technological solutions for viticulture in the counties of Galati and Braila;
- the production of planting material from higher biological categories;
- development of technological solutions for obtaining wines of controlled origin.



# OBJECTIVE

- ☐ scientific research and the extension of research results;
- ☐ wine-making production activities;
- ☐ providing expert advice to individuals and businesses;
- ☐ making efficient use of the results obtained.





## UNIT STRUCTURE SCDV BUJORU

### RESEARCH SECTOR

- Laboratory of Genetics and Amelioration
- Laboratory Land Improvement
- Plant Protection Laboratory
- Laboratory of fisico chemical analysis
- Laboratory of Technological Testing

### DEVELOPMENT SECTOR

- Experimental basis 1
- Experimental basis 2
- Experimental basis 3
- Experimental basis 4
- Winemaking

360  
ha



## DIRECTIONS OF RESEARCH:

- conservation and protection of renewable natural resources (soil, water, air, biodiversity) and sustainable use of natural vineyards resources: primarily soil, but also biodiversity conservation and use of policies to mitigate the impact of climate changes;
- assessing and identification of parent stocks, varieties and clones with high tolerance to abiotic and biotic factors, that produce high-quality wines;
- development of new varieties of table grapes; development of new clones; using molecular markers in polymorphism study of the vines; plant breeding with new genetic materials obtained by „in-vitro” tissue culture;
- vine culture technologies adapted to climate changes in order to reduce their disrupted effects, ensuring long-term productivity and sustainability of the vineyards; biodiversity conservation systems and soil preservation ; anthropic influence on sustainable use of natural resources in hilly vineyard ecosystem under changing climatic conditions; the global warming and its effects on wine cultivation; technologies culture of the vine in order to obtain organic grapes.
- determination of pathogenicity and aggression of the main pathogens and pests of the vines
- development and diversification of new innovative solutions in wine production and analysis (wine production technologies in pilot-plant: from processing step to the final product: bottled wine; wine analysis by conventional methods – microbiological, physico-chemical – and by high resolution methods: GS-MS, LC-MS, ICP-MS);
- determination of aromatic spectrum of grapes, must, wine and stabilization of specific compounds;
- determining the contamination with chemical pollutants in soil, plant and wine, depending on the technology used. biotechnologies used in selection of fermentative microorganisms; the management of yeast biodiversity according to biotope; identification of bioactive compounds from organic grapes





## Research contracts:

# Director projects

The Sectorial Plan for research and development in agriculture and rural development of the Ministry of Agriculture and Rural Development, for the years 2011-2014, "Agriculture and Rural Development-ADER 2020;

**ADER 14.2.2 Project** value: 162 000 euro" Studies regarding the assessment and quantitative monitoring of contaminants in the wine-winemaking chain aimed to minimizing the amount of pesticides and heavy metals as key pollutants". Contract No. 14.2.2/10/27/2015;

**ADER 1.1.7 Project** value 145.477 euro "Identification and evaluation of autochthon sources germoplasme of wine in order to promote their in the climate conditions of the area. "Contract No. 1.1.7/27.10.2011.

**P.N.C.D.I II. – 51 – 075-** Value: 282.069 euro, Research on the impact of global climate change on the ecosystem of the area's wine hill, Contract No. 51075/14.09.2007;

**CEEX –AGRAL/C.F. 4** Value 46.870 euro , Valorization land wine hills of Moldova under the conditions of a sustainable agriculture, Contract No 4/3.10.2005

**.Co-worker: PN III Programme-European and International Cooperation, Subprogramme-3.1. Bilateral / multilateral UEFISCDI.** Contract 21BM/2016 with the Republic of Moldova. Comparative evaluation of conventional and conservative systems of soil working regarding the preservation of carbon and the establishment of sustainable agro-ecosystems.



## Research contracts:

# Responsible projects

**ADER 3.3.8** Value 32.954 euro "Adapting the vine culture technologies to the ecological system, maximizing the usage of biotic and abiotic resources of the viticultural ecosystem, in order to conserve its biodiversity." Contract No. 3.3.8 /10/16/2015; **ADER 3.1.1** Value:16.363 euro "Preservation and management of genetic resources and biodiversity of agro-ecosystem vine-fruit, through the development and promotion of eco-efficient environmentally friendly innovative methods and practices" Contract No. 3.1.3/10/29/2015; **ADER 3.2.5** Value 22.045 euro "Diversification of the vine varieties for table and wine grapes". Contract No. 3.2.5/10/16/2015; **ADER 3.1.3** Value 16.200 euro "Development and modernization of the germoplasme collection of wine for the long-term preservation of biological material of national importance" Contract No. 3.1.3/10/22/2015. **ADER 5.2.1** Value: 18.181 euro ,, Assessment of the vulnerability ecosystem impact of wine competing and antagonistic organisms,, Contract No 5.2.1 /01..11.2011;

**ADER 2.2.6** Value14.547 euro ,, Technological scheme of production to propagation vine material free of viruses in protected areas,, Contract No 2.2.6./27.10.2011 ;

**P.N.C.D.I II. - 52-116-** Value 408.000 RON ,, The collection, conservation and monitoring of indigenous genetic resources of vine in the East and South-east of the country,, Contract No 52-116/01.10.2008



## EU-FUNDED PROJECTS

### *Administrative management for increasing the visibility of international performing 2010-2011*

#### OBJECTIVE :

- Improving administrative performance and institutional and project management;
- Making image and promote institutional



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI



Instrumente Structurale  
2007 - 2013

PROGRAMUL OPERAȚIONAL SECTORIAL CREȘTEREA  
COMPETITIVITĂȚII ECONOMICE "INVESTIȚII PENTRU VIITORUL  
DUMNEAVOASTRĂ"

PROIECT COFINANȚAT DIN FONDUL EUROPEAN DE  
DEZVOLTARE REGIONALĂ

Titlul proiectului: "Realizarea unui management administrativ  
performant pentru creșterea vizibilității instituționale"





## EU-FUNDED PROJECTS

**Modernizing research infrastructure in  
order to bring the wine to the European  
standards 2012-2014**

**Contract value: 2.000.000 euro**



Programul Operațional Sectorial "Creșterea Competitivității  
Economice"

"Investiții pentru viitorul dumneavoastră"

Proiect cofinanțat prin Fondul European de Dezvoltare Regională

Proiect ID 894, Cod SMIS-CSNR 13673

„Modernizarea infrastructurii de cercetare vinicolă în vederea alinierii  
la standarde europene/NOVAVIN”

Contract de finanțare nr.427/21.12.2012

## OBJECTIVS

- Modernization testing laboratory technology to create a technologically advanced flow simulation and the possible application of new technologies and related wine;
- Functional rehabilitation and performance of laboratory trials physico-chemical and biochemical and microbiological laboratory expansion attempts and lactic acid bacteria designed biotechnologies*





## Vinification laboratory





## Physical and chemical testing laboratory Unique in Romania





## IMPACT!

**Increase research performance  
and for enhanced collaboration  
international**

## SERVICES

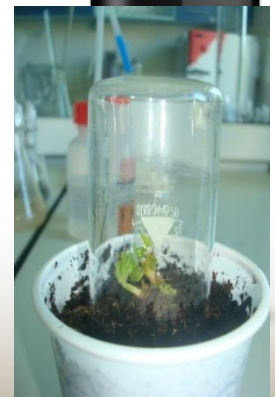


- ☐ Analyzes of minerals, trace elements, rare metals from must and wine, soil and plant;
- ☐ Analyzes of soil pesticide residues in soil, plant, product, as well as flavor compounds from grapes, must and wine;
- ☐ Cultures of controlled and tested fermenting micro-organisms for wine-growing enterprises;
- ☐ Separation of compounds with very low molecular weights.





## Laboratory of genetics and improvement of vine







- **climate monitoring:** hidroameliorative works for design and for creating optimal conditions for the development of grapevine



## Land improvement laboratory



- identification and monitoring of areas with restrictions and tough problems, the causes which lead to land degradation, especially through soil erosion (rills, gullies, channels clogged, etc.)









## ECOLOGIC GRAPE AND WINE

Varieties : MERLOT

Year: 2003

Unit Control : ECOINSPECT

No. Buteils /year 7000

Surface: 37 ha



Organic  
pest control



Green fertilizers



Organic grapes  
for wine



## Development Sector

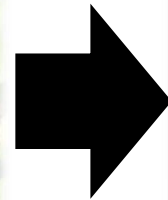


**Development sector plays the role of a pilot unit research sector, thus being organized in order to allow verification of the results of research in production**

### Organization

- Vineyard plantation 381 ha
- plantation for obtain vineyard plant material;
- Rootstocks and grafted vines

Winemaking - processing and wine conditioning





## VARIETIES CULTIVATED

- Grape varieties for white wine: Fetească albă, Fetească regală, Babeasca gri , Aligoté, Sauvignon.
- Grape varieties for aromatic wines - Muscat Ottonel, Șarba.
- Grape varieties red wines: Merlot, Cabernet Sauvignon, Feteasca neagră, Băbească neagră , Burgund, Oporto
- Table grape varieties : Chasselas d'oré, Muscat de Hamburg, Coarna neagră selecționată, Victoria



**Feteasca alba**



**Feteasca neagra**



**Babeasca gri**



**Merlot**



**Sauvignon**



**Victoria**



**Muscat Ottonel**





The story of our wines is written in the RDSVW BUJORU  
ALL PRODUCTS:

- White wine – Feteasca alba, Babeasca gri, Sarba, Feteasca regala, Sauvignon, PRICE 2,5 Euro
- Red wine- Feteasca neagra, Merlot, Cabernet Sauvignon, Babeasca neagra, PRICE 4,0 Euro



## EXCEPTIONAL RESULTS OBTAINED AT NATIONAL AND INTERNATIONAL COMPETITIONS



**The most important distinctions obtained more over time has a 40 medals total : 11 gold medals, 18 silver medals and 7 bronze medals and Diplomas of honor 46**

- **SILVER MEALS** Burgund and Feteasca neagra of harvest 2016 International Wine Competition Bucharest.2017
- **GOLD MEDAL** Burgund of harvest 2015, National wine competition "Gold Grape" Jidvei 2016
- **GOLD MEDAL** Burgund of harvest 2015 International Festival of vine and wine Vrancea "Bachus"
- **SILVER MEDAL** Feteasca neagra, Burgund and Sarba of harvest 2015 International Wine Competition Bucharest.2016
- **SILVER MEDAL** Princess of Covurlui year of harvest 2013 International Wine Competition Bucharest.2014;
- **SILVER MEDAL** " - Princess of Covurlui" year of harvest 2010 National Wine Competition " Grape Gold " Alba Iulia 2011;
- **GOLD MEDAL** Princess of Covurlui " year of harvest 2009, International Wine Competition Bucharest.2011;
- **SILVER MEDAL** - " Princess of Covurlui " year of harvest 2010 International Wine Competition Bucharest 2011;
- **GOLD MEDAL** Merlot year of harvest 2002, National Wine Competition " Grape Gold " Alba Iulia 2008
- **GOLD MEDAL** - Riesling italian year of harvest 2006 " Princess of Covurlui " International Wine Competition Bucharest.2008;
- **SILVER MEDAL** Feteasca neagra year of harvest 2002 International Wine Competition Bucharest.2007
- **Special award for promoting research and innovation 2016- The patronage of the small and medium enterprises Galati-2016**







CONCURSUL INTERNAȚIONAL DE VINURI  
INTERNATIONAL WINE CONTEST  
București, România 2008

Juriul a decernat diploma / The Jury awarded the diploma  
și / and  
Medalie de aur / Gold Medal

pentru / for

**Riesling italian "Printesa Covurluiului"**  
**Dealul Bujorului 2006**  
**SCDVV BUJORU**

Președintele Concursului  
Prof. Dr. Valeriu V. Cotea  
*Valeriu V. Cotea*

Președintele ADAR  
Prof. Dr. Dan Boboc  
*Dan Boboc*





*Dealurile Bujorului*

**IN.**  
*vino*  
**veritas!**

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Statiunea de Cercetare Dezvoltare pentru Viticultura si Vinificatie Bujoru

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