



EUBRASWILD

*Capturing Brassica Wild Relatives
Diversity in the South Eastern Europe*



Dr. Barbara Pipan

- Plant Genetics/Breeding
- Genetic diversity
- Population genetics



Dr. Lovro Sinkovič

- Food Science/Technology
- Crop Quality/Nutritional value
- Secondary metabolites



Dr. Vladimir Meglič

- Genetic Resources/
Genetics/Breeding
- Biotechnology/
Molecular breeding
- KIS coordinator/responsible



Field staff at IC Jablje

- Field and greenhouse trials
- Genetic resources

Crop Science Department

- Plant Breeding and Genetics
- Production Technologies and Physiology of Plants
- Introduction and ecological zoning of new field and vegetable varieties
- Seed and seed technology
- Slovene Plant Gene Bank

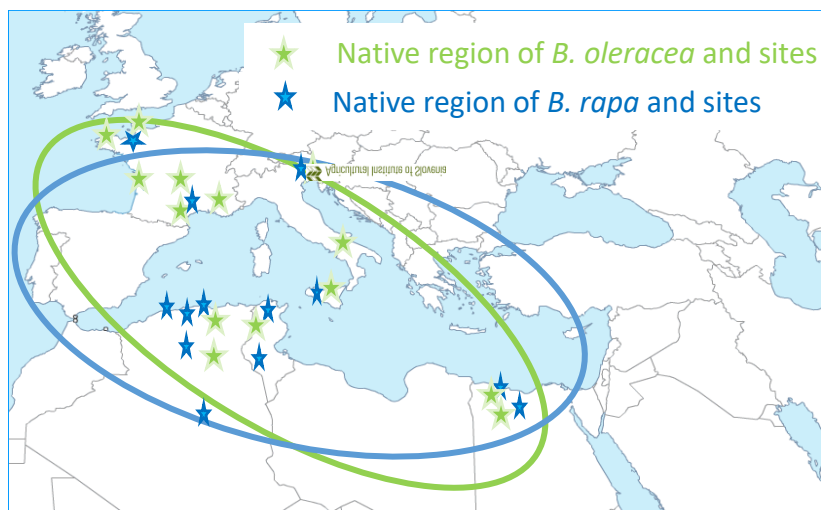
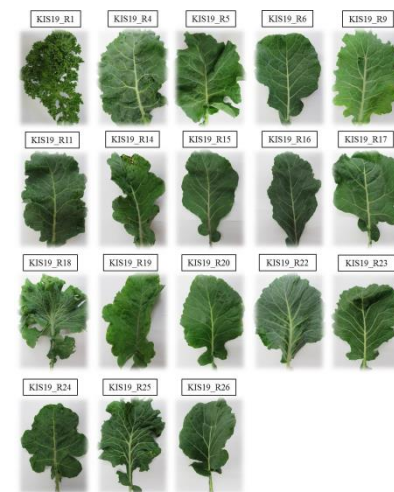


Background projects

CRP project V4-1806: Establishment of a system for the use of DNA markers for genetic identification and verification of varietal authenticity and purity of major cereals and brassicas as a basis for the quality production of seeds, food and feed

BI SLO – BiH: Characterisation of leafy kale genetic resources (*Brassica oleracea* var. *acephala* L.) for their preservation and sustainable use

BI SLO – SRB: Reintroduction of under- utilized species from *Brassica* sp. and *Lathyrus* sp.



BrasExplor
Wide exploration of genetic diversity in
Brassica species for sustainable crop
production

B. oleracea and *B. rapa* cultivated populations

Number of ACC	ACC/Registration number	Crop name	Genus, species	Variety	Origin	Germination (%)
12	SRGB 3972	White cabbage	<i>Brassica oleracea</i> L. var. capitata		Cesta v kostanj 31, Ljubljana	
	SRGB 1378	White cabbage	<i>Brassica oleracea</i> L. var. capitata	Emona	Hacquetova 17, Ljubljana	
	SRGB 1379	White cabbage	<i>Brassica oleracea</i> L. var. capitata	Kranjsko okroglo	Hacquetova 17, Ljubljana	
	SRGB 1386	White cabbage	<i>Brassica oleracea</i> L. var. capitata		Cesta na Ledince 14, Črnomelj	
	SRGB 1388	White cabbage	<i>Brassica oleracea</i> L. var. capitata	Ptujsko	Dornava 9, 2252 Dornava	
	SRGB 1389	White cabbage	<i>Brassica oleracea</i> L. var. capitata	Marjankino seme	Pečice 35, Podsreda	
	BRA008	White cabbage	<i>Brassica oleracea</i> L.	Brunšviško	0145/2006-USV	90
	BRA016	White cabbage	<i>Brassica oleracea</i> L.	Emona	0663/2016-USV	65
	BRA021	White cabbage	<i>Brassica oleracea</i> L.	Futoško	0236/2013-USV	95
	BRA076	White cabbage	<i>Brassica oleracea</i> L.	Nanoško	0092/2017-USV	97
	BRA053	White cabbage	<i>Brassica oleracea</i> L.	Varaždinsko 2	0235/2013-USV	96
	BRA074	White cabbage	<i>Brassica oleracea</i> L.	Varaždinsko 3	0841/2011-USV	85
3	BRC002	Broccoli	<i>Brassica oleracea</i> var. botrytis var. cymosa	Corvet	0000/2007-MSV	5
	/	Broccoli	<i>Brassica oleracea</i> var. botrytis var. cymosa	Ramoso calabrese medio precoce	0018/2012-MSV	15
	/	Broccoli	<i>Brassica oleracea</i> var. botrytis var. cymosa	Ramoso calabrese tardivo	0019/2012-MSV	5
3	/	Kohlrabi	<i>Brassica oleracea</i> L. convar. acephala . var. gongylodes	Delikates biala	0000/2007-MSV	30
	/	Kohlrabi	<i>Brassica oleracea</i> L. convar. acephala . var. gongylodes	Superschmelz	0000/2007-MSV	70
	/	Kohlrabi	<i>Brassica oleracea</i> L. convar. acephala . var. gongylodes	Wiedenska biala	0000/2007-MSV	10
1	/	Kale	<i>Brassica oleracea</i> L.	Wirosa	0006/2011-MSV	90
2	/	Red cabbage	<i>Brassica oleracea</i> L.	Langedijker bewaar 2	0118/2008-MSV	10
	/	Red cabbage	<i>Brassica oleracea</i> L.	Roodkop	0004/2012-MSV	50
2	/	Chinese cabbage	<i>Brassica rapa</i> L.	Bilko	0006/2012-MSV	100
	/	Chinese cabbage	<i>Brassica rapa</i> L.	Michihili	0005/2012-MSV	100
5	/	Turnip	<i>Brassica rapa</i> L.	Di Milano a colletto rosa	0143/2008-MSV	90
	BRP001	Turnip	<i>Brassica rapa</i> L.	Kranjska okrogla	1086/2011-USV	94
	BRP002	Turnip	<i>Brassica rapa</i> L.	Kranjska podolgovata	0242/2013-USV	90
	/	Turnip	<i>Brassica rapa</i> L.	Nabo 60 dias	0112/2008-MSV	50
	/	Turnip	<i>Brassica rapa</i> L.	Purple top white globe	0097/2008-MSV	20

Slovenia: *B. oleracea* and *B. rapa* cultivated populations

- Overview of genetic resources from gene bank and local varieties of *B. oleracea* (21 genetic resources) and *B. rapa* (7 genetic resources for possible contribution to the project:

Diploaxis: 18 Acc.

Eruca: tbcoll

Sinapis: tbcoll

No. ACC	NICO DE	INSTC ODE	ACCENU MB	V bazi SRGB	COLLNU MB	SORT A	GENU S	SPEC IES	SPAUT HOR	CROPNA ME	ORIG CTY	COLLSITE	LATIT UTE	LONGIT UDE	ELEVATI ON	COLLSR C	REMARKS
1	SVN	SVN019	SRGB09015	SRGB04737	KUMD-1	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Biljenski griči, vinograd nad Biljami	4590-N	01364-E	80	22 (Vineyard)	SPECIES: tenuifolia
2	SVN	SVN019	SRGB09016	SRGB04738	KUMD-2	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Velike Žablje, vinograd pod vasjo	4587-N	01384-E	100	22	SPECIES: tenuifolia
3	SVN	SVN019	SRGB09017	SRGB04739	KU-3	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Zavino, vinograd nad vasjo	4585-N	01348-E	170	22 (Vineyard)	SPECIES: muralis
4	SVN	SVN019	SRGB09018	SRGB04740	KUMD-4	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Ljubljana, ob cesti za Litostrojem	4608-N	01450-E	300	61	SPECIES: tenuifolia + muralis
5	SVN	SVN019	SRGB09019	SRGB04741	KUMDM Š-5	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Lazaret, poti med njivami ob mejnem prehodu	4559-N	01373-E	10	60	
6	SVN	SVN019	SRGB09020	SRGB04742	KUMDM Š-6	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Lazaret, poti med njivami ob mejnem prehodu	4559-N	01373-E	10	60	
7	SVN	SVN019	SRGB09021	SRGB04743	KU-7	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Ankaran, cesta proti Purissimi	4557-N	01376-E	60	61	
8	SVN	SVN019	SRGB09022	SRGB04744	KUMD-8	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Ajdovščina, cesta proti Planini	4587-N	01390-E	100	61	
9	SVN	SVN019	SRGB09023	SRGB04745	KUMD-9	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Ajdovščina, cesta poti Colu	4589-N	01394-E	280	61	
10	SVN	SVN019	SRGB09024	SRGB04746	KUMD-10	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Bled, na začetku naselja iz smeri Lesc	4637-N	01413-E	500	61	
11	SVN	SVN019	SRGB09025	SRGB04747	KUMD-11	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Vrhnika, na začetku naselja iz smeri Zaplane	4596-N	01428-E	350	61	
12	SVN	SVN019	SRGB09026	SRGB04748	KUMD-12	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Vrhnika, na začetku naselja iz smeri Zaplane	4596-N	01428-E	350	61	
13	SVN	SVN019	SRGB09027	SRGB04749	DŽKU-13	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Pragersko, ob železniški progi	4639-N	01566-E	250	61	
14	SVN	SVN019	SRGB09028	SRGB04750	DŽKU-14	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Biš, ob cesti skozi naselje - hišne št. 34-38	4653-N	01589-E	220	61	
15	SVN	SVN019	SRGB09029	SRGB04751	DŽKU-15	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Ptuj, ob cesti Ptuj - Ormož, pred naseljem Spuhlja	4641-N	01591-E	220	61	
16	SVN	SVN019	SRGB09030	SRGB04752	DŽKU-16	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Rače, ob prehodu čez železniško progo	4645-N	01567-E	260	61	
17	SVN	SVN019	SRGB09031	SRGB04753	DŽ-17	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Zagorje, ob mostu čez Savo, proti železniški postaji	4612-N	01499-E	240	61	
18	SVN	SVN019	SRGB09032	SRGB04754	KUMD-18	RUKOLA	Diploaxis	spp.	L.	rocket, rucola	SVN	Medlog pri Celju, med cesto in železnico ob Vrtnarski šoli	4623-N	01523-E	240	61	