

PERSONAL INFORMATION



Prof. D.Sc. Ivan Iliev ATANASSOV

📍 AgroBioInstitute, 8 Dragan Tzankov blvd, Sofia 1164, Bulgaria

☎ +359 2 9635411 📠 +359 (0) 882290241

✉ ivan_atanassov@abv.bg

🌐 <http://www.abi.bg>

Sex male | Date of birth 19/11/1962 | Nationality Bulgarian

WORK EXPERIENCE

2017 -	Professor, Director, AgroBioInstitute, Sofia, Bulgaria,
2013 - 2017	Professor, group leader Molecular Genetics Group, AgroBioInstitute, Sofia, Bulgaria,
2008 - 2013	Assoc. Prof., group leader Molecular Genetics Group, AgroBioInstitute, Bulgaria
2005 - 2008	Postdoc, Faculty of Life Sciences, The University of Manchester, UK
2005 - 2005	Assoc. Prof., AgroBioInstitute, Bulgaria, group leader Molecular Genetics Group
2001 - 2005	Assist. Prof., AgroBioInstitute, Bulgaria, group leader Molecular Genetics Group
2001 - 2001	Postdoc, International Center of Genetic Engineering and Biotechnology, New Delhi, INDIA
1999 - 2001	Assist. Prof., AgroBioInstitute, Sofia, Bulgaria, project leader
1998 - 1999	Postdoc, LRDP, Ecole Normale Superieure de Lyon, FRANCE
1996 - 1997	Assist. Prof., Institute of Genetic Engineering (now AgroBioInstitute), Sofia, Bulgaria, project leader
1994 - 1996	Postdoc, Life Science Center, Japan Tobacco Inc., Yokohama, JAPAN
1988 - 1994	Researcher / PhD student, Institute of Genetic Engineering (now AgroBioInstitute), Sofia, Bulgaria,

POSTDOCTORAL TRAINING

2014 - 2014	DAAD visiting scientist in the Institute of Microbiology, Technical University Braunschweig, GERMANY
2005 - 2008	Postdoc, Faculty of Life Sciences, The University of Manchester, UK
2001 - 2001	Postdoc, International Center of Genetic Engineering and Biotechnology, New Delhi, INDIA
1998 - 1999	Postdoc, LRDP, Ecole Normale Superieure de Lyon, FRANCE
1994 - 1996	Postdoc, Life Science Center, Japan Tobacco Inc., Yokohama, JAPAN

EDUCATION

2012	D.Sc. ,	AgroBioInstitute, Agricultural Academy, Sofia, Bulgaria, Molecular Genetics
1994	Ph.D. ,	Institute of Genetic Engineering (now AgroBioInstitute), Agricultural Academy, Sofia, Bulgaria, Plant Genetics and Biotechnology
1987	M.Sc.,	Faculty of Physics, The Sofia University 'St. Kliment Ohridski', Sofia, Bulgaria

Mother tongue	Bulgarian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C2	C2	C2
Russian	B1	B1	A1	-	-

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

SUPERVISING PhD STUDENTS

Supervisor of seven PhD student in AgroBioInstitute, Sofia, Bugaria for the period 2003 – 2017. (all of them successfully accomplish their PhD work)

Publications and Citations

Over 75 scientific publications during the period 1992 – 2017:

- Kumar, M., I. Atanassov and S. Turner (2017). "Functional Analysis of Cellulose Synthase (CESA) Protein Class Specificity." *Plant physiology* 173(2): 970-983.
- Rusanov, K., A. Atanassov and I. Atanassov (2017). "Engineering Cell and Organ Cultures from Medicinal and Aromatic Plants Toward Commercial Production of Bioactive Metabolites." *Reference Series in Phytochemistry. Bioprocessing of Plant in vitro Systems* (in press).
- Kumar, M., R. Wightman, I. Atanassov, A. Gupta, C. H. Hurst, P. A. Hemsley and S. Turner (2016). "S-Acylation of the cellulose synthase complex is essential for its plasma membrane localization." *Science* 353(6295): 166-169.
- Solimine, J., E. Garo, J. Wedler, K. Rusanov, O. Fertig, M. Hamburger, I. Atanassov and V. Butterweck (2016). "Tyrosinase inhibitory constituents from a polyphenol enriched fraction of rose oil distillation wastewater." *Fitoterapia* 108: 13-19.
- Stanev, S., T. Zagorcheva and I. Atanassov (2016). "Lavander cultivation in Bulgaria –21st century developments, breeding challenges and opportunities." *Bulgarian Journal of Agricultural Science* 22(4): 584-590.
- Wedler, J., K. Rusanov, I. Atanassov and V. Butterweck (2016). "A Polyphenol-Enriched Fraction of Rose Oil Distillation Wastewater Inhibits Cell Proliferation, Migration and TNF- α -Induced VEGF Secretion in Human Immortalized Keratinocytes." *Planta medica* 82(11/12): 1000-1008.
- Zagorcheva, T., K. Rusanov, S. Stanev and I. Atanassov (2016). "A Simple Procedure for Comparative GC-MS Analysis of Lavender (*Lavandula Angustifolia* Mill.) Flower Volatile Composition." *IOSR Journal of Pharmacy and Biological Sciences* 11(4): 9-14.
- Rusanova, M., K. Rusanov, S. Stanev, N. Kovacheva and I. Atanassov (2015). "Total phenol content, antioxidant activity of hip extracts and genetic diversity in a small population of *R. canina* L. cv. Plovdiv 1 obtained by seed propagation." *Agricultural Science and Technology* 7(2): 162-166.
- Stefanova, K., I. Tomova, A. Tomova, N. Radchenkova, I. Atanassov and M. Kambourova (2015). "Archaeal and bacterial

- diversity in two hot springs from geothermal regions in Bulgaria as demonstrated by 16S rRNA and GH-57 genes." *International Microbiology* 18(4): 217-223.
- Wedler, J., E. Garo, K. Rusanov, M. Hamburger, I. Atanassov and V. Butterweck (2015). "A polyphenol enriched fraction of rose oil distillation water inhibits proliferation in HaCaT cells and induces apoptosis." *Planta Medica* 81(16): YRW_12.
- Rusanov, K., E. Garo, M. Rusanova, O. Fertig, M. Hamburger, I. Atanassov and V. Butterweck (2014). "Recovery of polyphenols from rose oil distillation wastewater using adsorption resins—a pilot study." *Planta medica* 80(17): 1657-1664.
- Atanassov, I., K. Stefanova, I. Tomova and M. Kamburova (2013). "Seamless GFP and GFP-Amylase Cloning in Gateway Shuttle Vector, Expression of the Recombinant Proteins in E. Coli and Bacillus Megaterium and Assessment of the GFP-Amylase Thermostability." *Biotechnology & Biotechnological Equipment* 27(5): 4172-4180.
- Rusanov, K., N. Kovacheva, M. Rusanova and I. Atanassov (2013). "Flower phenotype variation, essential oil variation and genetic diversity among Rosa alba L. accessions used for rose oil production in Bulgaria." *Scientia Horticulturae* 161: 76-80.
- Zagorcheva, T., S. Stanev, K. Rusanov and I. Atanassov (2013). "Comparative GC/MS analysis of lavender (*Lavandula angustifolia* Mill.) inflorescence and essential oil volatiles." *Agricultural Science & Technology (1313-8820)* 5(4).
- Dzhambazova, T., I. Tsvetkov, I. Simeonov, M. Ivanov, Z. Nakov, V. Dimitrova, I. Atanassov and T. Hvarleva (2012). "Genetic diversity and relationships of indigenous and newly bred Bulgarian grape cultivars assessed by nuclear and chloroplast markers." *OENO One* 46(2): 113-121.
- Rusanov, K., N. Kovacheva, M. Rusanova and I. Atanassov (2012). "Low variability of flower volatiles of Rosa damascena Mill. plants from rose plantations along the Rose Valley, Bulgaria." *Industrial Crops and Products* 37(1): 6-10.
- Rusanov, K., N. Kovacheva, M. Rusanova and I. Atanassov (2012). "Reducing methyl eugenol content in Rosa damascena Mill rose oil by changing the traditional rose flower harvesting practices." *European Food Research and Technology* 234(5): 921-926.
- Atanassov, I., P. Ivanova, M. Panayotova, A. Tsekov and K. Rusanov (2011). "Mitochondrial control region DNA variation in turbot populations from the Bulgarian and Romanian Black Sea coasts." *Biotechnology & Biotechnological Equipment* 25(4): 2627-2633.
- Brown, D., R. Wightman, Z. Zhang, L. D. Gomez, I. Atanassov, J. P. Bukowski, T. Tryfona, S. J. McQueen-Mason, P. Dupree and S. Turner (2011). "Arabidopsis genes IRREGULAR XYLEM (IRX15) and IRX15L encode DUF579-containing proteins that are essential for normal xylan deposition in the secondary cell wall." *The Plant Journal* 66(3): 401-413.
- Ivanova, I., I. Atanassov, D. Lyutskanova, M. Stoilova-Disheva, D. Dimitrova, I. Tomova, A. Derekova, G. Radeva, V. Buchvarova and M. Kambourova (2011). "High Archaea diversity in Varvara hot spring, Bulgaria." *Journal of basic microbiology* 51(2): 163-172.
- Rusanov, K., N. Kovacheva, M. Rusanova and I. Atanassov (2011). "Traditional Rosa damascena flower harvesting practices evaluated through GC/MS metabolite profiling of flower volatiles." *Food Chemistry* 129(4): 1851-1859.
- Rusanov, K. E., N. M. Kovacheva and I. I. Atanassov (2011). "Comparative GC/MS analysis of rose flower and distilled oil volatiles of the oil bearing rose Rosa damascena." *Biotechnology & Biotechnological Equipment* 25(1): 2210-2216.
- Smulders, M., P. Arens, C. Koning-Boucoiran, V. Gitonga, F. Krens, A. Atanassov, I. Atanassov, K. Rusanov, M. Bendahmane and A. Dubois (2011). *Rosa. Wild Crop Relatives: Genomic and Breeding Resources*, Springer Berlin Heidelberg: 243-275.
- Atanassov, I., D. Dimitrova, K. Stefanova, A. Tomova, I. Tomova, D. Lyutskanova, M. Stoilova-Disheva, G. Radeva, I. Danova and M. Kambourova (2010). "Molecular characterization of the Archaeal diversity in Vlasa hot spring, Bulgaria, by using 16S rRNA and glycoside hydrolase family 4 genes." *Biotechnology & Biotechnological Equipment* 24(3): 1979-1985.
- Kovacheva, N., K. Rusanov and I. Atanassov (2010). "Industrial cultivation of oil bearing rose and rose oil production in Bulgaria during 21st century, directions and challenges." *Biotechnology & Biotechnological Equipment* 24(2): 1793-1798.
- Atanassov, A., M. Shishiniova, R. Batchvarova, B. Galutsov, S. Georgiev, I. Atanassov, K. Russanov and I. Roussenova (2009). "Joint Genomic Center—A New Approach for the Establishment of an Efficient Public/Private Partnership." *Bulgarian Journal of Agricultural Science* 15(6): 479-486.
- Atanassov, I., T. Hvarleva, K. Rusanov, I. Tsvetkov and A. Atanassov (2009). "Wine metabolite profiling: possible application in winemaking and grapevine breeding in Bulgaria." *Biotechnology & Biotechnological Equipment* 23(4): 1449-1452.
- Atanassov, I. I., I. I. Atanassov, J. Etchells and S. R. Turner (2009). "A simple, flexible and efficient PCR-fusion/Gateway cloning procedure for gene fusion, site-directed mutagenesis, short sequence insertion and domain deletions and swaps." *Plant methods* 5(1): 14.
- Atanassov, I. I., J. K. Pittman and S. R. Turner (2009). "Elucidating the mechanisms of assembly and subunit interaction of the cellulose synthase complex of Arabidopsis secondary cell walls." *Journal of Biological Chemistry* 284(6): 3833-3841.
- Dzhambazova, T., I. Tsvetkov, I. Atanassov, K. Rusanov, J. M. Martínez-Zapater, A. Atanassov and T. Hvarleva (2009). "Genetic diversity in native Bulgarian grapevine germplasm (*Vitis vinifera* L.) based on nuclear and chloroplast microsatellite polymorphisms." *VITIS—Journal of Grapevine Research* 48(3): 115.
- Hvarleva, T., A. Bakalova, K. Rusanov, G. Diakova, I. Ilieva, A. Atanassov and I. Atanassov (2009). "Toward marker assisted selection for fungal disease resistance in grapevine." *Biotechnology & Biotechnological Equipment* 23(4): 1431-1435.
- Hvarleva, T., M. Hristova, A. Bakalova, M. Hristov, I. Atanassov and A. Atanassov (2009). "CMS lines for evaluation of pollen

- flow in sunflower relevance for transgene flow mitigation." *Biotechnology & Biotechnological Equipment* 23(3): 1309-1315.
- Hvarleva, T., K. Russanov, A. Bakalova, M. Zhiponova, G. Djakova, A. Atanassov and I. Atanassov (2009). "Microsatellite linkage map based on F2 population from Bulgarian grapevine cultivar Storgozia." *Biotechnology & Biotechnological Equipment* 23(1): 1126-1130.
- Rusanov, K., N. Kovacheva, A. Atanassov and I. Atanassov (2009). "Rosa damascena Mill., the oil-bearing Damask rose: genetic resources, diversity and perspectives for molecular breeding." *Floriculture Ornamental Biotech* 3: 14-20.
- Rusanov, K., N. Kovacheva, A. Atanassov and I. Atanassov (2009). "Rosa Damascena—Genetics of a Complex Allotetraploid Species and Perspectives for Molecular Breeding." *Biotechnology & Biotechnological Equipment* 23(sup1): 594-596.
- Rusanov, K., N. Kovacheva, K. Stefanova, A. Atanassov and I. Atanassov (2009). "Rosa damascena—genetic resources and capacity building for molecular breeding." *Biotechnology & Biotechnological Equipment* 23(4): 1436-1439.
- Tarpomanova, H., T. Hvarleva, M. Hristova and I. Atanassov (2009). "Molecular marker characterization of breeding lines derived from *Helianthus annuus* x *Helianthus bolanderi* inter-specific hybrids." *Biotechnology & Biotechnological Equipment* 23(sup1): 565-567.
- Stefanova, K., R. Wightman, A. Atanassov and I. Atanassov (2008). "Live imaging and sub-cellular localization of the A9-GUS-GFP chimeric protein expressed in *Nicotiana benthamiana* transgenic plants." *Biotechnology & Biotechnological Equipment* 22(1): 553-555.
- Dzhambazova, T., T. Hvarleva, A. Hadjinicoli, I. Tsvetkov, A. Atanassov and I. Atanassov (2007). "Characterization of grapevine rootstocks using microsatellite markers." *Biotechnology & Biotechnological Equipment* 21(1): 58-62.
- Arroyo-Garcia, R., L. Ruiz-Garcia, L. Bolling, R. Ocete, M. Lopez, C. Arnold, A. Ergul, H. Uzun, F. Cabello and J. Ibáñez (2006). "Multiple origins of cultivated grapevine (*Vitis vinifera* L. ssp. *sativa*) based on chloroplast DNA polymorphisms." *Molecular Ecology* 15(12): 3707-3714.
- Atanassov, I., A. Atanassov, I. Tsvetkov and I. Genov (2006). "Isolation and characterization of *Agrobacterium* strains from grapevines in Bulgarian vineyards and wild grapes, *V. vinifera* ssp. *silvestris*." *Vitis: Journal of Grapevine Research* 45(2): 97-101.
- Genov, I., I. Atanassov, I. Tsvetkov and A. Atanassov (2006). "Isolation and characterization of *Agrobacterium* strains from grapevines in Bulgarian vineyards and wild grapes, *V. vinifera* ssp. *silvestris*." *VITIS-Journal of Grapevine Research* 45(2): 97.
- Genov, I., I. Atanassov, Y. Yordanov, I. Tsvetkov and A. Atanassov (2006). "Genetic diversity of *Agrobacterium vitis* strains, isolated from grapevines and wild grapes in Bulgaria, assessed by Cleaved Amplified Polymorphic Sequences analysis of 16S-23S rDNA." *VITIS-Journal of Grapevine Research* 45(3): 125.
- Tsvetkov, I., A. Atanassov, M. Jankulova, V. Vulchev, I. Todorov, S. Pandeliev, I. Malenin, K. Katerov, Y. Tsvetkov and T. Hvarleva (2006). Development and Evaluation of a Bulgarian Grapevine Genebank. Proceedings of 15th meeting of the International Council for the Study of Virus and Virus-like diseases of the Grapevine.
- Badjakov, I., E. Todorovska, R. Boicheva, I. Atanassov and A. Atanassov (2005). "Assessment of genetic diversity in Bulgarian raspberry germplasm collection by microsatellite markers (SSR)." *Biotechnology & Biotechnological Equipment* 19(1): 43-47.
- Borissova, A., T. Hvarleva, I. Bedzhov, V. Kondakova, A. Atanassov and I. Atanassov (2005). "Agrobacterium-Mediated Transformation of Secondary Somatic Embryos from *Rosa Hybrida* L. and Recovery of Transgenic Plants." *Biotechnology & Biotechnological Equipment* 19(1): 70-74.
- Hvarleva, T., A. Hadjinicoli, I. Atanassov, A. Atanassov and N. Ioannou (2005). "Genotyping *Vitis vinifera* L. cultivars of Cyprus by microsatellite analysis." *VITIS-Journal of Grapevine Research* 44(2): 93.
- Hvarleva, T., K. Russanov and I. Atanassov (2005). "Microsatellite markers for characterization of grape genetic resources and identification of QTLs for important agronomical traits." *Biotechnology & Biotechnological Equipment* 19(sup3): 116-123.
- Nagl, N., I. Atanassov, K. Roussanov, S. Paunovich, A. Atanassov and L. Kovachev (2005). "Construction of plant transformation vectors carrying beet necrotic yellow vein virus coat protein gene (i)-transformation vectors." *Biotechnology & Biotechnological Equipment* 19(2): 80-86.
- Nagl, N., I. Atanassov, K. Roussanov, S. Paunovich, A. Atanassov and L. Kovachev (2005). "Construction of plant transformation vectors carrying beet necrotic yellow vein virus coat protein gene (II)-plant transformation." *Biotechnology & Biotechnological Equipment* 19(3): 39-45.
- Rusanov, K., A. Atanassov, I. Atanassov and N. Kovacheva (2005). "Microsatellite analysis of oil-bearing roses which do not belong to the species *Rosa damascena* Mill." *Bulgarian journal of agricultural science*.
- Rusanov, K., N. Kovacheva, A. Atanassov and I. Atanassov (2005). "Lessons from the microsatellite characterization of a segregating population derived from seeds of open pollinated *Rosa damascena* Mill. F. *Trigintipetala* plants." *Biotechnology & Biotechnological Equipment* 19(2): 72-79.
- Rusanov, K., N. Kovacheva, B. Vosman, L. Zhang, S. Rajapakse, A. Atanassov and I. Atanassov (2005). "Microsatellite analysis of *Rosa damascena* Mill. accessions reveals genetic similarity between genotypes used for rose oil production and old Damask rose varieties." *Theoretical and Applied Genetics* 111(4): 804-809.
- Tsvetkov, I., A. Atanassov, M. Jankulova, V. Vulchev, I. Todorov, S. Pandeliev, K. Katerov, I. Atanassov, T. Hvarleva and Y.

- Tsvetkov (2005). "Grapevine Plant Genetic Resources-Improvement, preservation and biodiversity." *Biotechnology & Biotechnological Equipment* 19(sup3): 13-21.
- Yordanov, Y., I. Atanassov, E. Yordanova, A. Atanassov, S. Georgiev and M. Christov (2005). "Characterization of Backcross Lines of *Helianthus Eggertii* Small, x *Helianthus Annuus* L. Possessing Different Regeneration Capacity by DNA and Isozyme Markers." *Biotechnology & Biotechnological Equipment* 19(1): 57-62.
- Yordanov, Y., H. Hristov, E. Yordanova, I. Atanassov and S. Georgiev (2005). "Using DNA and Isozyme Markers to Study Genetic Relationship Among High Regenerative Interspecific Hybrids of *Helianthus Eggertii* small. X *Helianthus Annuus* L." *Biotechnology & Biotechnological Equipment* 19(sup2): 27-32.
- Genov, K., R. Dimova, L. Voinov, M. Georgieva, D. Djilianov, V. Kondakova, R. Boicheva, T. Konstantinova, D. Parvanova and A. Yildirim (2004). "The Bulgarian plant genomics database: a web-backed molecular genetics database for plant biotechnology and management of plant genetic resources in Bulgaria." *Biotechnology & Biotechnological Equipment* 18(2).
- Hvarleva, T., K. Rusanov, F. Lefort, I. Tsvetkov, A. Atanassov and I. Atanassov (2004). "Genotyping of Bulgarian *Vitis vinifera* L. cultivars by microsatellite analysis." *VITIS-Journal of Grapevine Research* 43(1): 27.
- Stefanova, K., A. Atanassov and I. Atanassov (2004). "Shuttle Vectors for Direct In Frame Cloning and Construction of GFP and GUS/GFP Reporter Gene Fusions." *Biotechnology & Biotechnological Equipment* 18(2): 47-51.
- Tonkovska, G., A. Atanassov and I. Atanassov (2004). "Assessment of the functionality of the direct PCR-cloned putative promoter regions of genes from *Arabidopsis thaliana*." *Biotechnology & Biotechnological Equipment* 18(3): 44-50.
- Tonkovska, G., A. Atanassov and I. Atanassov (2004). "A Hybrid Cloning Procedure for Construction of Plant Transformation Vectors for ihp RNA-Mediated Gene Silencing." *Biotechnology & Biotechnological Equipment* 18(3): 174-178.
- Hvarleva, T. D., I. Tsvetkov, A. Atanassov and I. Atanassov (2003). "The use of Microsatellite Analysis for Verification of Cultivar Identity and Homogeneity in Bulk Samples from Grape Plant-Material." *Biotechnology & Biotechnological Equipment* 17(2): 34-37.
- Russanov, K., F. Lefort, A. Atanassov and I. Atanassov (2003). "The Bulgarian Plant Genomics Database: a web-backed molecular genetics database for plant biotechnology and management of plant genetic resources in Bulgaria." *Biotechnology & Biotechnological Equipment* 17(2): 3-5.
- Tonkovska, G., A. Atanassov and I. Atanassov (2003). "The promoter region of arabidopsis metallothionein MT2a gene is strongly induced by treatment with Cu II ions in transgenic *Nicotiana benthamiana* plants." *Biotechnology and Biotechnological Equipment (Bulgaria)*.
- Tonkovska, G., A. Atanassov and I. Atanassov (2003). "The Promoter Region of Arabidopsis Metallothionein MT2a Gene is Strongly Induced by Treatment with Cu II, ZnII and Cd II Ions in Transgenic *Nicotiana Benthamiana* Plants." *Biotechnology & Biotechnological Equipment* 17(2): 134-139.
- Varbanova, M. P., A. I. Atanassov and I. I. Atanassov (2003). "Anther-specific coumarate CoA ligase-like gene from *Nicotiana sylvestris* expressed during uninucleate microspore development." *Plant Science* 164(4): 525-530.
- Varbanova, M., A. Atanassov and I. Atanassov (2002). "Exon-intron structure of an anther-specific coumarate CoA ligase-like gene from *Nicotiana sylvestris*." *Biotechnology and Biotechnological Equipment (Bulgaria)*.
- Atanassov, I., C. Delichere, D. A. Filatov, D. Charlesworth, I. Negruțiu and F. Monéger (2001). "Analysis and evolution of two functional Y-linked loci in a plant sex chromosome system." *Molecular Biology and Evolution* 18(12): 2162-2168.
- Borissova, A., V. Tsoleva, I. Atanassov, V. Angeliev and A. Atanassov (2000). "Somatic Embryogenesis and Plant Regeneration of Three Varieties *Rosa Hybrida* L." *Biotechnology and Biotechnological Equipment*(2): 23-23.
- Georgiev, S., T. Dekova, I. Atanassov, Z. Angelova, A. Dimitrova, V. Mirkova and L. Stoilov (2000). "Transposable elements in wheat and Triticale sphaerococcum mutant forms." *Biotechnology & Biotechnological Equipment* 14(1): 25-32.
- Atanassov, I., S. Atanassova, A. Dragoeva and A. Atanassov (1998). "A new CMS source in *Nicotiana* developed via somatic cybridization between *N. tabacum* and *N. alata*." *TAG Theoretical and Applied Genetics* 97(5): 982-985.
- Atanassov, I., E. Russinova, L. Antonov and A. Atanassov (1998). "Expression of an anther-specific chalcone synthase-like gene is correlated with uninucleate microspore development in *Nicotiana sylvestris*." *Plant molecular biology* 38(6): 1169-1178.
- Dragoeva, A., I. Atanassov and A. Atanassov (1998). "CMS due to tapetal failure in cybrids between *Nicotiana tabacum* and *Petunia hybrida*." *Plant cell, tissue and organ culture* 55(1): 67-70.
- Dragoeva, A., I. Atanassov, M. Jankulova, S. Atanassova and A. Atanassov (1997). "Asymmetric somatic hybridization between *N. tabacum* and *N. sanderae*: transfer of tomato spotted wilt virus resistance." *Biotechnology & Biotechnological Equipment* 11(1-2): 17-22.
- Dragoeva, A., M. Jankulova, N. Gorinova, I. Atanassov and A. Atanassov (1997). "Somatic Hybridization Between *N. tabacum* (NR-, Km+) and *N. sanderae*. Hybrid Genome Constitution and Expression of Resistance to Tomato Spotted Wilt Virus." *Biotechnology & Biotechnological Equipment* 11(1-2):12-16.
- Atanassov, I., C. Masuta, H. Tanaka, J. Kataoka and S. Kuwata (1996). "Comparative study of screening with subtracted probe and differential screening on isolation of flower-specific cDNA clones from *Nicotiana sylvestris*." *Plant Science* 118(2): 185-194.
- Matondo, R., A. Ivanova, I. Atanassov and A. Atanassov (1994). "Studies on Endogenous Hormone Levels of in Vitro

- Propagated Sunflower Inbred Lines." *Biotechnology & Biotechnological Equipment* 8(1): 50-52.
- Matondo, R., E. Roussinova, P. Dentchev, I. Atanassov and A. Atanassov (1994). "Vegetative Multiplication and Regeneration by in Vitro Culture of Four Homozygote Lines of the Sunflower *Helianthus Annuus. L.*" *Biotechnology & Biotechnological Equipment* 8(4): 5-7.
- Atanassov, I., A. Atanassov and M. Jacobs (1992). "Creation of Selectable Marker System for Somatic Hybridization Via *Agrobacterium*-Mediated Genetic Transformation of *Nicotiana Alata*." *Biotechnology & Biotechnological Equipment* 6(2): 16-18.
- Atanassov, I., I. Fedina, L. Masleunkova and A. Atanassov (1993). "Selection, Somagenetical and Biochemical Analyses of Chlorophyll—Deficient Mutants from Bulgarian Tobacco Cultivars." *Biotechnology & Biotechnological Equipment* 7(2): 55-60.