

SCIENTIFIC MONOGRAPHS

Lyubenova, M. 1988. Primary Biological Productivity and Energetic Reserves of Turkey oak –Hungarian oak ecosystem, Vakarel mountain (Bulgaria). PhD Thesis, Sofia, BAS, 250 pp.

Lyubenova, M., V. Dimitrova, S. Bratanova - Doncheva. 2011. Ecosystem Assessment of Chestnut Forests in Belasitsa Mountain (Bulgaria). An-Di Publisher, Sofia, 112 pp.

Lyubenova, M. 2012. Plant Functional Types of Trees (PFTs) according to the Periods of Lower Growth Features (Stress Periods). PublishSaitSet-Eco, Sofia, 276 pp.

Dimitrova, V., M. Jianska, **M. Lyubenova.** 2014. Роля на подземната фитомаса в годишната фиксация на CO₂ от представителни горски екосистеми в България. София, Изд. ЛТУ, 112 с.

THEMATIC EDITIONS

Lyubenova, M., Sv. Bratanova –Doncheva, V. Dimitrova, N. Chipev. 2007. Investigation of some functional parameters of the chestnut (*Castanea sativa* Mill.) communities on the Belasitza mountain. – In: Sustainable Management of Sweet Chestnut Ecosystems. Bratanova-Doncheva (ed.). Publishing House Petekston, 53-59.

Lyubenova, M., Zsv. Stoimenov, Sv. Bratanova –Doncheva. 2007. Dendroecological investigations of *Castanea sativa* Mill. In Belasitza mountain. – In: Sustainable Management of Sweet Chestnut Ecosystems. Bratanova-Doncheva (ed.). Publishing House Petekston, 77-82.

Bratanova –Doncheva, Sv., **M. Lyubenova, V. Dimitrova, Sv. Mihaylov.** 2007. Distribution of *Castanea sativa* Mill. Ecosystems in Bulgaria. – In: Sustainable Management of Sweet Chestnut Ecosystems. Bratanova-Doncheva (ed.). Publishing House Petekston, 25-30.

Lyubenova, M. 2010. 9260 *Castanea sativa* woods – In: Zingstra, H., A. Kovachev, K. Kitnaes, R. Tzonev, D. Dimova, P. Tzvetkov. 2009. GUIDELINES FOR ASSESSING FAVOURABLE CONSERVATION STATUS OF NATURA 2000 SPECIES AND HABITAT TYPES IN BULGARIA. Sofia, 25 p.
http://www.natura2000.biodiversity.bg/images/FCS_N2_Guidelines_ExeSummary_EN.pdf.

Lyubenova, M., Sv. Bratanova –Doncheva. 2011. 9260 Chestnut forests.-In: Red Book, v.3. BAS, MEW, <http://e-codb.bas.bg/rdb/bg/>.

TEXTBOOKS AND MANUALS

Mirchev, St., **M. Lyubenova, A. Shikalanov, N. Simeonova.** 2000. Dendrochronology. Short Course. Pensoft, Sofia-Moskow, 198 pp.

Lyubenova, M. 2004. Plant Ecology. M. Drinov Publishing House, Sofia, 574 pp.

Lyubenova, M. 2005. Functional Biocoenology. Short Course. Contact-Marketing Publishing House, Sofia, 319 pp.

Lyubenova, M. 2006. Chronoecology. An-Di Publisher, Sofia, 183 pp.

Lyubenova, M., R. Kalchev. 2007. Ecotoxicology. Short practicum. An-Di Publisher, Sofia, 280 pp.; 2009. Second Revised Edition, 305 pp.

Lyubenova, M. 2009. Functional Biocoenology. An-Di Publisher, Sofia, 368 pp.

Lyubenova, M. 2009. Functional Biocoenology Manual. An-Di Publisher, Sofia, 209 pp.

Lyubenova, M., A. Chikalanov. 2011. SPPAM 1.0 User's Guide. An-Di Publisher, Sofia, 18 pp.

SCIENTIFIC PUBLICATIONS

(In Journals with IF)

- Lyubenova, M.I.**, I.A. Bondev. 1998. Overground annual production and biomass of oak forests in the Balkan mountains. *Ecologie*, t. 29(1-2). Grenoble, 389-392.
- Bratanova-Dontcheva, Sv., **M. Lyubenova**, V. Dimitrova, Sv. Mihajlov. 2004. Ecological characteristics, Distribution and Management of *Castanea sativa* Mill. ecosystems in Bulgaria. *Acta Horticulturae*, special issue, 355-367.
- Bratanova-Dontcheva, Sv., St. Mirtchev, **M. Lyubenova**. 2005. Dendrochronological investigation of Mistletoe Growth Impact (*Loranthus europeus* L.) on European chestnut (*Castanea sativa* Mill.). *Acta Horticulturae*, special issue, Chaves, Portugal, 367-373.
- Dimitrova, V., N. Apostolova-Stoyanova, **M. Lyubenova**, N. Chipev. 2007. Syntaxonomic analysis of sweet chestnut forests growing on the north slopes of Belasitza Mountain. *Comptes rendus de l'Academie Bulgare des Sciences*. Biologie, ecologie, t. 60, N5, 561-568.
- Lyubenova, M.**, M. Sokolovska, Sv. Bratanova –Doncheva, M. Radonova. 2008. Content of macro- and micro elements in sweet chestnut phyto mass in Belasitza Mountains, Bulgaria. *Silva Balkanica*, 9(1), 41-58.
- Lyubenova, M.**, A. Chikalanov. 2010. Software implementation for stress period studies applied to dendrochronological analyses of g. *Quercus* L. *Comptes rendus de l'Academie bulgare des Sciences*, Biologie, ecologie, t. 63, № 3, 409-418.
- Chikalanov, A., **M. Lyubenova**, St. Stoyanov. 2010. Classification Oriented Databases for Facilitating Plant and Terrestrial Modelling. *Comptes rendus de l'Academie bulgare des Sciences*, Biologie, ecologie, t. 63, № 9, 1327-1334.
- Lyubenova, M.**, Sv. Bratanova - Doncheva, V. Dimitrova, M. Grozeva. 2010. Main characteristics of biological turn-over in *Castanea sativa* Mill. communities from Belasitza mountain, Bulgaria. Ed. G. Bounous, ISBN 978906605 414 1, Acta Horticulture No 866, 275-285.
- Lyubenova, M.**, R. Tzonev, K. Pachedjieva. 2011. Syntaxonomy of *Quercetea pubescentis* (Oberd.,1948) Doing Kraft, 1955 in Bulgaria. *Comptes rendus de l'Academie bulgare des Sciences*, Biologie, ecologie, t. 64, № 4, 565-580.
- Lyubenova, M.** 2011. About Ecological Fundamentals of New Generation Global Models. *Comptes rendus de l'Academie Bulgare des Sciences*. Biologie, ecologie, t. 64, № 11, 1589-1601.
- Lyubenova, M.**, R. Nedkov, I. Ivanova, A. Chikalanov, N. Georgieva, E. Ivanova, V. Lyubenova. 2012. Ecological Space Modeling as a Pattern for Forest Vegetation Investigations (Example with Belasitsa Mt., BG). *Comptes rendus de l'Academie Bulgare des Sciences*. Biologie, ecologie, t. 65, № 4, 483-491.
- Chikalanov, A., **M. Lyubenova**, S. Stoyanov, V. Lyubenova. 2012. Application of Ontologies and Semantic Web for Facilitation of Ecology. *Comptes rendus de l'Academie Bulgare des Sciences*. Mathematique, informatique, t. 65, № 5, 599-609.
- Lyubenova, M.**, S. Dineva, N. Georgieva, T. Georgieva, I. Karadjova, P. Parvanova. 2012. Ecotoxicology Assessment Model of Cultural Plant-Soil Complex Treated with Waste Water. *Biotechnol. & Biotechnol. Eq.* 26/2012/2: DOI: 10.5504/bbeq.2011.0158, 2883-2893.
- Dimitrov, D., A. Assenov, **M. Lyubenova**, K. Pachedjieva. 2012. New Chorological Data for the Flora of Floristic Region Valley of River Mesta – a contribution to the Vascular Flora of the Country. *Comptes rendus de l'Academie Bulgare des Sciences*. Biologie, Botanique, t.66, № 5, 701-708.
- Georgieva, N., K. Pachedjieva, **M. Lyubenova**. 2013. SCI “Zapadna Stara Planina I Predbalkan” – floristic studies on xerothermic oak forests. *Bulg. J. Agric. Sci.*, Supplement 2, 19: 218–221. *IF=0.189*

Lyubenova, M., A. Chikalanov, V. Lyubenova. 2014. An example of holistic approach for analysis of periods with low stems growths and their application. *Comptes rendus de l'Academie Bulgare des Sciences, Biologie, ecologie*, Tome 67, No 4, 541-550.

Lyubenova, M., G. Gushlekov, A. Assenov. 2014. Need to Link the Two Crucial Strategies - Sustainable Development and Innovative Economy. *Chemistry*, **23**, 417-430 (2014).

Lyubenova, M., R. Nedkov, N. Georgieva, S. Dineva. 2014. Space Models of Oak Vegetation in Protected Zone, Bulgaria). *Indian Journal of Applied Research*, volume 4, issue 7, 23-30.

Lyubenova, M., N. Georgieva, V. Lyubenova. 2014. Assessment of Oak Dendrochronological Series in Protected Zone (Bulgaria) for Eustress Identification in Forest Stands. *IJAIR* 3.1 (2014): 116-124.

Lyubenova, M. 2014. Comparative Assessment of European Black Pine Tree Ring Width Series for Eustress and Risk Identification in Different Locations. *Indian Journal of Applied Research*, Vol.4, Issue.9, 253-258.

Georgieva, N., **M. Lyubenova**. 2014. Assessment of the ecological status of xerothermic oak ecosystems in SCI "Zapadna Stara planina i Predbalkan. *Bulgarian Journal of Agricultural Science*, 20 (Supplement 1) 2014, 105–109.

Lyubenova, M., V. Dimitrova, N. Georgieva. 2014. Biomass of tree populations and regeneration in xerothermic oak ecosystem, SCI Zapadna Stara planina i Predbalkan, Bulgaria. *Drewno* 2014, Vol. 57, No. 192: 89-106. DOI: 10.12841/wood.1644-3985.S09.04

Lyubenova, M. 2014. Survey about Climatic Type of Years and European Black Pine Eustress. *Indian Journal of Applied Research*, v. 4, iss. 11: 43-46.

Dimitrova V., Lyubenova. M., Dimitrov. D. 2014. Biomass of young tree samplings of main forest species in Bulgaria and its role as a carbon depot. *Silva Balkanica*, 15(2), 5-12.

Lyubenova, M., A. Chikalanov, V. Lyubenova, St. Vatov. 2015. SPPAM 2.0 – Scientific description and Use. *Journal of Environmental Science, Computer Science and Engineering & Technology*, Sec.B, vol. 4, №1, 37-51. E-ISSN: 2278–179X.

Dimitrova, V., **M. Lyubenova**, E. Vangelova. 2015. Biomass and carbon accumulation in the herb layer of representative forest ecosystems in Bulgaria. *Journal of Chemical, Biological and physical sciences*, vol.5, iss. 2, Sec. D. , 2089-2107.

(Other International Journals)

Ljubenova, M.I. 1995. Above-ground energy reserves and annual accumulation of energy in shrub and herb layers in ass.*Quercus frainetto+Quercus cerris-Festuca heterophylla +Poa nemoralis* in the Vakarel mountains. *Ecology and protec.of the environ.*,vol.2,X 1, Skopje, 29-35.

Ljubenova, M.I. 1995. Solar energy utilization and efficiency of an oak forest in the Vakarel mountains. *Ecology and protec.of the environ.*,vol.2, X2, Skopje, 31-35.

Ljubenova, M. 1996. Investigations of some structural and functional parameters of an oak forest from the north-eastern Rhodopa mountains. *Ecology and protec.of the environ.*, v.4, N1, Skopje, 3-11.

Ljubenova, M. 1997. Utilization and accumulation of Zn and Mn in *Quercus frainetto* phytomass in different regions in Bulgaria. *Ecol. and prot.of the environ.*, v.5, N1, Skopje, 21-28

Ljubenova, M., I. Bondev. 1998. Overground plant mass in Line – Turkish oak forest from Ludogorie /North-Western Bulgaria/. *Ecology and Environmental Protection*, Skopje, v.1, iss.1.

Ljubenova, M., St. Mirchev. 1998. Dynamics of Zn, Mn and Fe content in *Fagus sylvatica* L. Plant mass from two beech communities in the Western Balkan mountains. *Journal of Balkan ecology*, vol.1, N 4: 71-77.

- Lyubanova, M.**, A. Alexandrov. 1999. Phytoecological Research of Spruce and Beech Tree Communities in Boishte Site, West Balkan Range, Bulgaria. *Journal of Balkan Ecology*, val.2, N 3, 74-79.
- Bondev, I.A., N.N.Ninov, **M.I.Lyubanova**. 2000. Diversity of plants and soils in Stara Planina Mountains in Bulgaria. *Journal of Balkan Ecology*, vol.3, N3.
- Lyubanova, M.**, R. Nedelchev. 2001. Influence of Human Factors on Populations of *Taxus baccata* L. *Journal of Balkan Ecology*, v.4, N 4, 382-388.
- Lyubanova, M.**, R. Nedelchev. 2002. Phytocoenological Description of Common Yew Find in National "Central Balkan" Park, Bulgaria. *Journal of Balkan Ecology*, v.5, N1, 26-30.
- Lyubanova, M.**, A. Asenova. 2005. Indicators Significance of Early and Late Wood of *Pinus sylvestris* L. and *Pinus nigra* Arn. Located in Sofia Region, Bulgaria. *Journal of Balkan Ecology*, vol. 8, N 1, 47-55.
- Ganeva, Y. **M. Lyubanova**, L. Chipilska, P. Hadjieva. 2006. Biological Active Components of *Rosemarinus officinalis* L. *Journal of Balkan Ecology*, Vol. 9, No 3, 283-288.
- Lyubanova, M.**, Y. Ganeva, L. Chipilska, P. Hadjieva, Ch. Chanev. 2006. Biological Active Components of *Chenopodium botrys* L. Phytomass. *Journal of Balkan Ecology*, Vol. 9, No 3, 289-295.
- Mirtchev, S., **M. Lyubanova**, A. Shikalanov. 2008. Climate reconstruction from oak tree-ring records in Southwestern Bulgaria for the last 200 years. *Journal of Balkan Ecology*, Vol. 11, No 4, 419-427.
- Tzonev, R., **M. Lyubanova**, G. Hinkov, T. Karakiev. 2011. Syntaxonomy of Sweet chestnut (*Castanea sativa* Mill.) forests in Belasitsa mountain, Bulgaria. *Journal of Balkan Ecology*, 2, 171-186.
- Dimitrova, V., **M. Lyubanova**, E. Vangelova. 2014. Biomass and Carbon Accumulation in herb layer of representative Forest Ecosystems in Bulgaria. *Journal of Balkan Ecology*, vol. 17, № 1, 55-71.
- Lyubanova, M.** 2014. Assessment of Red Oak Dendrochronological Series for Eustress Identification in Forest Stands. *Journal of Balkan Ecology*, vol. 17, № 4, 391-401.
- Lyubanova, M.**, A. Asenova. 2003. Indicators significance of the early and late wood of *Quercus rubra* L. in dendroecological research in Sofia region. *Phytologia Balcanica* 9(1), Sofia: 53-58.
- Mirchev St., **M. Lyubanova**, V. Dimitrova, Sv. Bratanova – Doncheva. 2009. Dendrochronological investigation on *Castanea sativa* Mill. in Belasitsa mountain and Western Balkans (Berkovitz). *Biotechnol. & Biotechnol. EQ* 23/SE, 377-380.
- Lyubanova, M.**, R. Tzonev, K. Pachedjieva. 2009. Floristic Investigation of *Quercus cerris* and *Quercus frainetto* Communities in Bulgaria. *Biotechnol. & Biotechnol. EQ* 23/SE, 314-317.
- Parvanova, P., N. Tzvetkova, Sv. Bratanova-Doncheva, R. Fikova, **M. Lyubanova**. 2009. Active biomonitoring of ecotoxicological effects from tropospheric ozone impact on representative tree species. *Biotechnol. & Biotechnol. EQ* 23/SE, 333-336.
- Dimitrova V., **M. Lyubanova**, K. Slavova. 2009. Investigations of some functional parameters of the beech (*Fagus sylvatica* L.) communities. *Biotechnol. & Biotechnol. EQ* 23/SE, 426-429.
- Lyubanova, M.**, V. Dimitrova. 2011. Chemical Elements in Mulch and Litter fall of Beech Ecosystems and Their Total Turnover. *Ecologia Balkanica*, Vol. 3, Issue 1, 51-57.
- Lyubanova, M.**, S. Dineva, I. Karadjova. 2012. Ecotoxicology Assessment of Waste Water Emitted From Radomir Metal Industries (Bulgaria). *Ecologia Balkanica*, Union of Scientists in Bulgaria, vol. 4, issue 2, 51-60.
- Lyubanova, M.**, A. Chikalanov, V. Lyubanova. 2014. Holistic Ecological Assessment of Dendrochronological Series as Source of Information for Tree Eustress (Example with Beech), *International Journal of Environmental Monitoring and Protection*, Vol. 1, No. 1, 24-34.

(Bulgarian Journals)

Bondev, I., P. Panov, **M. Lyubenova**. 1983. Allopath interactions in germination of plain tobacco *Nicotiana tabacum* L./ and medical camomile *Chamomilla recutita*(L.)Rausch./ seeds. Ecology, 11, 14-16.

Bondev I., **M. Lyubenova**. 1984. Materials and critical notes on the flora of Bulgaria. Phytology, 24, 64-68.

Lyubenova, M. 1992. Energetic reserves in underground phytomass of ass.*Quercus frainetto* + *Quercus cerris-Festuca heterophylla* + *Poa nemoralis* in Vakarelska mountain. Ann.de l'Univ."St.Kliment Ohridski, t.82, b.2, 187-196.

Bondev I., M.Lyubenova. 1992. Phytomass of grass floor in ass.*Quercus frainetto* + *Quercus cerris-Festuca heterophylla* in Vakarelska mountain. Ann.de l'Univ."St.Kliment Ohridski, t.82, b.2, 197-209.

Ljubenova, M. I. 1994. Dynamics of the herb species populations in the ass.*Quercus frainetto+Quercus cerris-Festuca heterophylla+Poa nemoralis* in the Vakarel mountain. Ann de L'Univ.de Sofia,t.86,l.2, 91-108.

Bondev, I., N.Georgiev, **M. Ljubenova**. 1994. Primary production of the herb synusia in five xerothermic forest ecosystems in the northern regions of Strandza mountain. Ann.de l'Univ.de Sofia"St.Kl.Ohridski", Fac.de Biol., v.85, l.2, 225-230.

Ljubenova, M. 1995. Investigations on some functional parameters of the tree layer in asociation *Quercus frainetto+Quercus cerris-Crataegus monogyna-Brachypodium pinnatum* in the Western Balkan mountain. Ann.de l'Univ."St.Kliment Ohridski,vol. 88,l.4, 11-18.

Bondev, I., **M. Lyubenova**. 1996. Vegetation of the reserve "Gornata Korija". Forestry ideas 2/1996 (7), University of Forestry, 93-102.

Lyubenova, M., I. Bondev, B. Atanasova. 1996. A study of the structural and functional state of Turkey oak – Hungarian oak forest of Western Sarnena Gora. Forestry ideas 3/1996 (8), University of forestry, 1-11.

Ljubenova, M. A.Akmadjov. 1997. Primary overground production of an oak ecosystem from the Zemen mountain. Ann.de l'Univ.de Sofia "St.Kl.Ohridski" v.88, b.4, 138-144.

Bondev,I., **M. Ljubenova**, N. Georgiev. 1998. Overground phytomass and phytoproduction of the *Quercus frainetto* Ten. Stands in two oak communities from the northern parts of the Mount Strandja.Phytologia Balcanica,4/3,Sofia,87-94

Lyubenova, M., R. Dimova. 2000. Contents of heavy elements in some dendromass fractions from the forest ecosystems in the region of Etropole. Ann.of Sofia Univ. "St.Kl.Ohridski", v.91, b.2, 129-138.

Lyubenova, M., I. A. Bondev, R. Ch. Dimova. 2000. Degree of pollution with heavy elements of natural herb phytomass in the Etropole district. Ann. of Sofia Univ."St.Kl.Ohridski", v.91, b.2, 119-127.

Lyubenova, M., M. Atanasova, St. Bratanova-Doncheva. 2002. State of communities of common chestnut in Bekovitsa mountain (I). Forestry ideas, 1-2, 69-85.

Lyubenova, M., M. Atanasova. 2002. State of communities of *Castanea sativa* Mill. In Bekovitsa Mountains (II). Forestry ideas, 3-4, 77-85.

Georgieva, N., **M. Lyubenova**, M. Konteva. 2010. Landscape Diversity along Kamchia River. Forest Science, № 3, 1-11 .

Dimitrova V., **M. Lyubenova**, M, Asenova. 2009. Floristic investigations of the chestnut (*Castanea sativa* Mill.) communities in Western Balkans (Berkovitz). Forestry ideas 1/2009 (37) vol.15, p.27-40.

Lyubenova, M., G. Miladinova. 2004. Primary biological production and characteristics of the plant formations in Dragomansko blato. Annual of Sofia Universiti "St. Kliment Ohridski", b.2, v. 94-96, 85 – 93.

Lyubenova, M., K. Diankova. 2004. Phytocoenological investigation of basic grass formations at Sinanitsa – Central Balkan National Park. Annual of Sofia Universiti “St. Kliment Ohridski”, b.2, v. 94-96, 77 - 83.

Dimitrova, V., **M. Lyubenova,** Sv. Bratanova-Doncheva, M. Chavdarova. 2005. Floristic investigations of chesnut (*Castanea sativa* Mill.) communities in the mountain Belasitsa. Annuire de l’Universite de Sofia “St. Kliment Ohridski”, Part II, v.96, l. 4, 357-373.

Lyubenova, M., D. Dimitrov, T. Mihova, Y. Ganeva, V. Baltiiska. 2005. Phytoecological investigation of *Chenopodium botrys* L.(Chenopodiaceae) from two localities in the country. Annuire de l’Universite de Sofia “St. Kliment Ohridski”, Part II, v.96, 115-123.

Lyubenova, M., L. Dimova, S. Bratanova – Doncheva. 2005. Annual accumulation of N, P and K in the biomass of basic plant communities in the high-mountain pasture “Sinanitsa”, Central Balkan National Park. Annuire de l’Universite de Sofia “St. Kliment Ohridski”, Part II, v.96, l. 4, 103-115.

Lyubenova, M., Ts. Valtcheva, K. Pachedjieva. 2005. Assessment of the risk for the beech vegetation in the biosphere reserve “Chuprene”, connected with climatic, orographic and soil factors. Annuire de l’Universite de Sofia “St. Kliment Ohridski”,Part II, v.96, l. 4, 27-35.

Lyubenova, M., A. Asenova, E. Mihov. 2005. Dendroecological investigation of Balkan’s pines in National park “Pirin”. Annuire de l’Universite de Sofia “St. Kliment Ohridski”, Part II, v.96, l. 4, 343-351.

Stoimenov, S., **M. Lyubenova,** A. Asenova. 2005. Dendroecological investigation of *Pinus nigra* Arn. from four regions in Bulgaria. Annuire de l’Universite de Sofia “St. Kliment Ohridski”, Part II, v.96, l. 4, 351-357.

Lyubenova, M., N. Nikolov, S. Bratanova-Doncheva, T. Nedyalkova. 2006. Plant ecological study of *Picea abies* (L.) Karst. in Western Stara Planina - Biosphere Reserve "Chuprene". Annual of university of Shumen " Bishop K. Preslavski", v.. XIV B4 Natural Sciences, Univ. Publishing "K. Preslavski", 89-102.

Lyubenova, M., M. Chavdarova, V. Dimitrova, S. Bratanova-Doncheva. 2006. Overground phytomass, production and dynamics of a production process of tree floor in chestnut ecosystem (*Castanea sativa* Mill.) from Belasitsa mountain. Annual of university of Shumen " Bishop K. Preslavski", v.. XIV B4 Natural Sciences, Univ. Publishing "K. Preslavski", 103-122.

Lyubenova, M., R. Nedkov, I. Ivanova, A. Chikalanov, N. Georgieva, M. Zaharinova, M. Dimitrova, E. Ivanova, V. Yanchev, K. Radeva, N. Stankova, R. Tsoneva. 2011. Study on ecological dynamics of forest vegetation in the region East Rhodope on the base of satellites and terrestrial data. Ecological engineering and Environmental protection, 1, 45-50.

(Refereed Proceedings of International Scientific Forums)

Bondev, I., **M. Lyubenova.** 1985. Vegetation of the reserve " Chamlaka "in Eastern Rhodops.- In: Proceedings of International Symposium " Conservation of natutal territories and their genetical fund "under the project 8 MAB, Blagoevgrad, 23-28.09.1985, v. 3, Sofia, BAS, 71-79.

Bondev, I., **M. Lyubenova,** M. Lyubenov. 1985. Some morphological and ecological features of psammophytic plants in the National Park "Ropotamo". -In: Proceedings of International Symposium "Conservation of natutal territories and their genetical fund "under the project 8 MAB, Blagoevgrad, 23-28.09.1985, v. 2, Sofia, BAS, 32-39.

Bondev, I., I. Lazarov, **M. Lyubenova.** 1985. Vegetation of the reserve "Vassil Kolarov" in the Rhodopes. -In: Proceedings of International Symposium "Conservation of natutal territories and their genetical fund "under the project 8 MAB, Blagoevgrad, 23-28.09.1985, v. 2, Sofia, BAS, 133-141.

Bondev I., **M. Lyubenova.** 1985. Vegetation of the reserve "Borovo" in the Eastern Rhodopes. -In: Proceedings of International Symposium "Conservation of natutal territories and their genetical fund "under the project 8 MAB, Blagoevgrad, 23-28.09.1985, v. 2, Sofia, BAS,142-147.

Ljubenova, M. 1999. About the influence of water soluble substances of *Pteridium aquilinum* L. on the early development of *Pinus sylvestris* L. and *P.nigra* Arn.- In: Proceedings of the "1-st congress of Macedonian ecologists", Ohrid, 20-24.09.1998 г., v.1, 59-69.

Ljubenova, M. 1999. Content of Zn, Mn and Fe in leaves, annual branches and bark of *Quercus frainetto* Ten. from different regions of Bulgaria.-In: Proceedings of the "1-st congress of Macedonian ecologists", Ohrid, 20-24.09.1998 г., v.2, 629-643.

Lyubenova, M. 1996. The overground phytomass and annual production as functional indicators in Hungarian oak phytocenoses of Kamchiyska Mountain.- In: Proceedings of Second Balkan Scientific Conference, 3-5 VI, 1996 "Study, Conservation and Utilization of Forest Resources", vol. 1, 307-313.

Lyubenova, M., S. Mirchev, R. Nedelchev. 2001. Dendrochronological investigation of *Taxus baccata* L. from the common yew-beech forests in "Central Balkan" National Park. – In: Proceedings of Third Balkan Scientific Conference, 2-6. 10. 2001 "Study, Conservation and Utilization of Forest Resources", vol. 1, 108-115.

Asenova, A., **M. Lyubenova, S. Mirchev.** 2001. Dendrochronological investigation on red oak in Sofia district. – In: Third Balkan Scientific Conference, 2-6.10.2001 "Study, Conservation and Utilization of Forest Resources", vol. 1, 125-134.

Lyubenova, M., E. Roumenina, V. Dimitrov, E. Ivanov. 2002. Study of the ecosystems of the biosphere reserve "Chuprene" with plant ecological methods and spatial modeling.-In: Proceedings of Scientific international conference in memory of Prof. Dr. Dimitar Yaranov, Varna, Volume 1, 260-269.

Lyubenova, M., B. Choleva, K. Dyankova, K. Bardarova. 2003. State of *Juniperus oxycedrus* L. communities in Bulgaria (I) .- In: Proceedings of International conference "50 Years of Forestry University," 1 - 2 April, 2003. Sofia, Section of Ecology and Environmental Protection, 114-122.

Lyubenova, M., A. Asenova, K. Bardarova. 2003. State of *Juniperus oxycedrus* L. communities in Bulgaria (II). - In: Proceedings of International conference "50 Years of Forestry University," 1 - 2 April, 2003. Sofia, Section of Ecology and Environmental Protection, 122-126.

Roumenina, E., **M. Lyubenova, V. Dimitrov.** 2003. Ecological risk assessment of spruce vegetation in biosphere reserve "Chuprene" with space mould in GIS.- In: Proceeding «International Scientific Conference” – 75 years Institute of Forestry, Bulgarian Academy of Sciences», 1-5 October, 2003 y., volume I, 61-64.

Djankova, K., D. Dimitrov, **M. Lyubenova.** 2003. Floristic content of beech forests in the reserve "Kamenshtitza", Central Stara planina mountain.- In: Proceeding «International Scientific Conference” – 75 years Institute of Forestry, Bulgarian Academy of Sciences», 1-5 October, 2003 y., volume I, 198-202.

Pachedgjieva, K., D. Dimitrov, **M. Lyubenova.** 2004. Floristic investigation of plant communities in the reserve "Kamenshtitza", Central Stara planina mountain.- In: Proceeding 2nd Congress of Ecologists of the Republic of Macedonia with International Participation, October, 25 - 29.2003, Ohrid, Macedonia, 458 – 466.

Lyubenova, M., V. Dimitrova V. Velev, Sv. Bratanova-Doncheva. 2004. Phytocoenological investigation of chestnut (*Castanea sativa* Mill.) communities in the Belasitza region. - In: Proceeding 2nd Congress of Ecologists of the Republic of Macedonia with International Participation, October, 25-29.2003, Ohrid, Macedonia, 29 – 42.

Dimitrova V., **M. Lyubenova, Sv. Bratanova – Doncheva.** 2006 . Aboveground phytomass and production in the shrub layer of the chestnut (*Castanea sativa* Mill.) communities in the Belasitza mountain. – In: Proceeding "Balkan Scientific Conference of Biology", May 19-20, 2005, Plovdiv, Bulgaria. Gruev, B., M. Nikolova, A. Donev (ed.) "P. Hilendarski", F. of Biology, Union of Scientists of Bulgaria, 443-451.

Lyubenova, M., R. Kalchev. 2007. Ecological research on spruce (*Picea abies* (L.) Karst) biotype diversity in Chuprene Biosphere reserve, Bulgaria.-In: Proceedings "Sustainable forestry – problems and challenges. Perspectives and challenges in wood technology, International Symposium "60 years Faculty of forestry. 35 years wood technology". October 24th-26th 2007, Ohrid, Republic of Macedonia, 100-107.

Parvanova, P., R. Fikova, S. Bratanova, **M. Lyubenova**. 2008. Tropospheric ozone pollution in the city of Sofia and its vicinity – data from passive biomonitoring.-In: Proceeding 3th Congress of Ecologists of the Republic of Macedonia with International Participation, October, 06 - 09. 2007, Struga, Macedonia, 361-367.

Chipev, N., V. Dimitrova, S.Bratanova-Doncheva, **M. Lyubenova**. 2008. The ecosystem approach to ecosystem management with an example from sweet chestnut (*Castanea sativa* Mill.) forests in Belasitza Mountain, Bulgaria.-In:Proceeding 3th Congress of Ecologists of the Republic of Macedonia with International Participation, October, 06 - 09. 2007, Struga, Macedonia, 69-74.

(Refereed Proceedings of National Scientific Forums)

Bondev, I., T. Meshinev, N. Andreev, **M. Lyubenova**. 1982. Vegetation in the reserve "Torfeno branishte" of Vitosha mountain.-In: Proceedings of "National conference of environment protection and reproduction", 1-5.11.1982, Sunny Beach, v. 1, Sofia, BAS, 80-84 .

Bondev, I., P. Panov, **M. Lyubenova**. 1983. Experimental studies on allelopathic relationships between regular tobacco / *Nicotiana tabacum* L./ and medical chamomile / *Chamomilla recutita* (L.) Rausch ./ - In: Proceedings "Third national conference of botany", 26-30.10. 1981, Sofia, BAS, 427-434.

Bondev I., N. Georgiev, **M. Lyubenova**. 1985. Biomass productivity and energetic reserves of ecosystems in Bulgaria.- In: Proceedings "National conference of biology, 11-13.09.1984, Mihailovgrad, 13-17.

Lyubenova, M. 1987. Energetic reserves in above-ground phytomass of the tree sinusia of ass. *Quercus frainetto* + *Quercus cerris-Festuca heterophylla*, v.Gabra, Sofia region.- In: Proceedings of "IV-th National conference of botany, v. 3, Sofia, BAS, 100-105.

Lyubenova, M., I. Bondev. 1987. Underground phytomass of the tree floor of ass. *Quercus frainetto*+*Quercus cerris-Festuca heterophylla*+*Poa nemoralis*, v.Gabra, Sofia region. - In: Proceedings of "IV-th National conference of botany, v. 3, Sofia, BAS, 72-76.

Lyubenova, M. 1995. Utilization of solar energy and efficiency coefficient of the tree floor in the Turkey oak-Hungarian oak ecosystem of the area of Western Forebalkan.- In: Proceedings of Jubilee Scientific Conference " 100 years since the birth of akad.B. Stefanov/1894-1979 / ", 2-3.6.1994, v.2. Sofia, BAS, 100-104.

Lyubenova, M. 1995. Investigation of some functional parameters of the oak forests of the Central Forebalkans.- In: Proceedings of the Jubilee scientific session "70 years of forestry education in Bulgaria", 7-9.4.1995, v. 3, Sofia, 218-228.

Lyubenova, M. 1995. A study of energy flux in the oak forests of Zemen Mountain.- In: Proceedings of the Jubilee scientific session "70 years of forestry education in Bulgaria", 7-9.4.1995, v. 3, Sofia, 228-236.

Lyubenova, M., Y. Sazdov. 1995. A study on the role of the tree floor in the turnover of chemical elements in xerothermic oak ecosystem of Western Forebalkans. - In: Proceedings of Jubilee Scientific Conference " 100 years since the birth of akad. B. Stefanov/1894-1979 / ", 2-3.6.1994, v.2. Sofia, BAS, 93-100.

Bondev I., **M. Lyubenova**, M. Lyubenov. 1995. Vegetation of the biosphere reserve "Chuprene". - In: Proceedings of Jubilee Scientific Conference " 100 years since the birth of akad.B. Stefanov/1894-1979 / ", 2-3.6.1994, v.2. Sofia, BAS, 14-18.

Dimitrova V., **M. Lyubenova**, Sv. Bratanova – Doncheva. 2005. Investigation of herb layer phytoproduction in chestnut (*Castanea sativa* Mill.) communities in the region of Belasitza mountain. - In: Proceeding " First National Scientific Conference of Ecology - biodiversity, ecosystems, global changes", Sofia, 121-131.

Bratanova – Doncheva Sv., **M. Lyubenova**, N. Ignatova et al. 2005. Is the chestnut (*Castanera sativae* Mill.) forest in Belasitza healthy? – In: Proceeding " First National Scientific Conference of Ecology - biodiversity, ecosystems, global changes", Sofia, 111-120.

Asenova, A., **M. Lyubenova**, A. Bratoeva. 2005. Dendroecological investigations in reserve "Sokolata", Malashevaska mountain. – In: Proceeding " First National Scientific Conference of Ecology - biodiversity, ecosystems, global changes", Sofia, 145-155.

Dimitrova V., **M. Lyubenova**, Sv. Bratanova – Doncheva. 2005. Investigation of herb layer phytoproduction in chestnut (*Castanea sativa* Mill.) communities in the region of Belasitza mountain. - In: Proceeding “ First National Scientific Conference of Ecology - biodiversity, ecosystems, global changes”, Sofia, 121-131.

Bratanova – Doncheva Sv., **M. Lyubenova**, N. Ignatova et al. 2005. Is the chestnut (*Castanema sativae* Mill.) forest in Belasitza healthy? – In: Proceeding “ First National Scientific Conference of Ecology - biodiversity, ecosystems, global changes”, Sofia, 111-120.

Bratanova-Doncheva, S., **M. Lyubenova**, N. Nikolova. 2012. Application of framework DPSIR for alternative management of chestnut forest in Belasitsa mountain. – В: Сб. Доклади и резюмета „Семинар по екология – 2012“, 26-27 Април, 2012, 107-115.

Assenov, A., **M. Lyubenova**, K. Pachedjieva, N. Georgieva. 2012. Conservation Significance of the Border Stretch of Dospat River Valley. – В: Сб. Доклади и резюмета „Семинар по екология – 2012“, 26-27 Април, 2012, 119-123.

Georgieva, N., **M. Lyubenova**. 2013. Characteristics and distribution of xerothermic oak ecosystems in SCI “Zapadna Stara planina i Predbalkan” as subject of functional research. – В: Сб. Доклади и резюмета „Семинар по екология– 2013“, 25-26 Април, 2013, София, 104-114.

Assenov, A. **M. Lyubenova**, A. Asenov, N. Georgieva, K. Pachedjieva. 2013. Ecological and Space Differences in Habitat 91M0 Panonian – Balkanic Turkey oak-Sessile Oak Forests. – В: Сб. Доклади и резюмета „Семинар по екология – 2013“, 25-26 Април, 2013, София, 114-119.

Lyubenova, M., N Georgieva, V. Lyubenova. 2014. Assessment of Oak Dendochronological Series for Eustress Identification in Protected Zone. – В: Сб. Доклади и резюмета „Семинар по екология – 2014“, 24 - 25 Април, 2014, София.