

INDEX OF VOLUME 57

BANACH J., LENOWIECKI K.: The occurrence of insect pests on pedunculate oak tested on the Chrostowa II experimental plot	384
BAYRAMZADEH V., ATTAROD P., AHMADI M.T. , REZAAE AMRUABADI S., KUBO T.: Does the climate of the origin control anatomical characteristics of the vessel elements as well as different foliar traits in <i>Fagus crenata</i> ?	377
BENETKA V., ČERNÝ K., PILAŘOVÁ P., KOZLÍKOVÁ K.: Effect of <i>Melampsora larici-populina</i> on growth and biomass yield of eight clones of <i>Populus nigra</i>	41
BÖHM C., QUINKENSTEIN A., FREESE D., HÜTTL R.F.: Assessing the short rotation woody biomass production on marginal post-mining areas	303
BOŠELÁ M., KULLA L., MARUŠÁK R.: Site classification vs. wood production: a case study based on Silver fir growth dynamics in the Western Carpathians	409
BOŠELA M., KULLA L., MARUŠÁK R.: Detrending ability of several regression equations in tree-ring research: a case study based on tree-ring data of Norway spruce (<i>Picea abies</i> [L.])	491
BŘEZINA I., DOBROVOLNÝ L.: Natural regeneration of sessile oak under different light conditions	359
BURIÁNEK V., BENEDÍKOVÁ M., KYSELÁKOVÁ J.: Evaluation of twenty-years-old pedunculate and sessile oak provenance trial	153
ČADA V., SVOBODA M. : Structure and origin of mountain Norway spruce in the Bohemian Forest	523
DŽELETović Ž. S., PIVIĆ R. N., DJUROVIĆ N. J. L.: Available nitrogen in the surface mineral layer of Serbian forest soils	131
GÖMÖRY D., PAULE L., GÖMÖRYOVÁ E.: Effects of microsite variation on growth and adaptive traits in a beech provenance trial	192
GRYC V., VAVRČÍK H., HORN K.: Density of juvenile and mature wood of selected coniferous species	123
GUNAGA R.P., KANFADE A.H., VASUDEVA R.: Soil fertility status of 20 seed production areas of <i>Tectona grandis</i> Linn. f. in Karnataka, India	483
HLÁSNY T., HOLUŠA J., ŠTĚPÁNEK P., TURČÁNI M., SITKOVÁ Z., ZAJÍČKOVÁ L. : Expected impacts of climate change on forests: Czech Republic as a case study	422
HLÁSNY T., ZAJÍČKOVÁ L., TURČÁNI M., HOLUŠA J., SITKOVÁ Z.: Geographical variability of spruce bark beetle development under climate change in the Czech Republic	242
HOLUŠA J., HOLÝ K., BAŇAŘ P.: Ecological and morphological notes on <i>Notopygus bicarinatus</i> (Hymenoptera: Ichneumonidae)	281
HOSSEINI S.M., MAJNOUNIAN B., SKOUPÝ A.: Evaluation of squared timber and log products in the Hyrcanian Forests of Iran	64
INOUE A., YAMAMOTO K., MIZOUE N.: Comparison of automatic and interactive thresholding of hemispherical photography	78

ISLAM K.K., PATRICIA S., RINCHEN Y.: Broadleaved regeneration dynamics in the Pine plantation	432
JEŽEK M., ŠTÍPEK K., KUŠTA T., ČERVENÝ J., VÍCHA J.: Reproductive and morphometric characteristics of wild boar (<i>Sus scrofa</i>) in the Czech Republic	285
JURÁSEK A., LEUGNER J., MARTINCOVÁ J.: Evaluation of physiological and health state of Norway spruce plants with different growth rate at juvenile stage after outplanting at mountain locations	170
KADAVÝ J., KNEIFL M., KNOTT R.: Establishment and selected characteristics of the Hády coppice and coppice-with-standards forest research plot (TARMAG I)	451
KAMLER J., TUREK K., HOMOLKA M., BAŇAŘ P., BARANČEKOVÁ M., HEROLDOVÁ M., KROJEROVÁ J., SUCHOMEL J., PURCHART L.: Inventory of rodent damage to forests	219
KMINIAK R., BARCÍK Š.: Possibilities of homogenization of the kerf width created by the technology of abrasive water-jet cutting	574
KNEIFL M., KADAVÝ J., KNOTT R. : Gross value yield potential of coppice, high forest and model conversion of high forest to coppice on best sites	536
KONOSHIMA M., MARUŠÁK M., YOSHIMOTO A.: Spatially constrained harvest scheduling for strip allocation under Moore and Neumann neighbourhood adjacency	70
KONOSHIMA M., MARUŠÁK R., YOSHIMOTO A.: Harvest scheduling with spatial aggregation for two and three strip cut system under shelterwood management	271
KORECKÝ J., VÍTÁMVÁS J.: Somatic embryogenesis of the hybrid <i>Abies cilicica</i> × <i>Abies cephalonica</i>	401
KOVÁČ J., KRILEK J., MIKLEŠ M.: Energy consumption of chipper coupled to a universalwheel skidder in the process of chipping wood	34
KOVALČÍK M.: Profitability and competitiveness of forestry in European countries	369
KUČERA A., REJŠEK K., DUNDEK P., MAROSZ K., SAMEC P., SÝKORA J.: Specification of the beechwood soil environment based on chosen soil properties, aiming at the <i>Fageta paupera</i> habitat	185
KULA E., KAJFOSZ R., POLÍVKA J.: Cambioxylophagous fauna developing on logging residues of blue spruce (<i>Picea pungens</i> Engelmann)	24
KULA E., MENŠÍK L.: Earthworms (Lumbricidae) of an air-polluted area affected by ameliorative liming	210
KULLA L., MARUŠÁK R.: Environmental risk assessment based on semi-quantitative analysis of forest management data	89
KUNEŠ I., KOŇASOVÁ T., BALCAR V., BALÁŠ M., ZAHRADNÍK D., KACÁLEK D., VÍTÁMVÁS J., JAKL M., JAKLOVÁ DYTRTOVÁ J.: Growth response of <i>Alnus viridis</i> to application of crushed limestone and amphibolite and forestry potential of the species in harsh acidic mountain sites	200

KUŠTA T., KEKEN Z., JEŽEK M.: Evaluation of changes in the landscape management and its influence on animal migration in the vicinity of the D1 motorway in Central Bohemia	312
LIŠKA S., KLVAČ R., SKOUPÝ A.: Evaluation of John Deere 1490D operation phase in typical conditions of the Czech Republic	394
LOTFALIAN M., ZADEH E.H., HOSSEINI S.A.: Calculating the correction factor of skidding distance based on forest road network	467
MALÁ J., HRUBCOVÁ M., MÁCHOVÁ P., CVRČKOVÁ H., MARTINCOVÁ O., CVIKROVÁ M.: Changes in phenolic acids and stilbenes induced in embryogenic cell cultures of Norway spruce by two fractions of <i>Sirococcus strobilinus</i> mycelia	1
MANSFELD V.: Norway spruce in forest ecosystems of the Czech Republic in relation to different forest site conditions	514
MARKOVÁ I., POKORNÝ R., MAREK M.V. : Transformation of solar radiation in Norway spruce stands into produced biomass – the effect of stand density	233
MENŠÍK L., KULA E.: Forest floor and soils in limed stands of substitute species in Klášterec nad Ohří forest district in the Krušné hory Mts.	96
NAGHDI R., JALALI A.M. , MOHAMADI K., AKBARIMEH M.: Effects of selection and shelterwood method on quality and quantity of trees along skid trails in beech (<i>Fagus orientalis</i> , Lipsky) forests	459
NOVÁK J., SLODIČÁK M., DUŠEK D.: Aboveground biomass of substitute tree species stand with respect to thinning – European larch (<i>Larix decidua</i> Mill.)	8
PARSAKHOO A., HOSSEINI S. A., GHAFFARIYAN M. R. : Economics of a hydraulic hammer for forest road construction in a mountainous area	565
PAVINGEROVÁ D., BŘÍZA J., NIEDERMEIEROVÁ H., VLASÁK J.: Stable <i>Agrobacterium</i> -mediated transformation of Norway spruce embryogenic tissues using somatic embryo explants	277
PECHÁČEK J., VAVŘÍČEK D., SAMEC P.: Soil environment and nutrient status of Norway spruce (<i>Picea abies</i> [L.] Karst.) underplantings in conditions of the 8 th FAZ in the Hrubý Jeseník Mts.	141
PEŠKOVÁ V., LANDA J., SOUKUP F.: Findings regarding ectotrophic stability of Norway spruce forest of the Krkonoše and Orlické Mountains based on mycorrhiza studies	500
PETRÁŠ P., MECKO J.: Effect of climatic factors on the dynamics of radial increments of Norway spruce, European beech and sessile oak	293
QI G., WANG Q., ZHOU W., DING H., WANG X., QI L., WANG Y., LI S., DAI L.: Moisture effect on carbon and nitrogen mineralization in topsoil of Changbai Mountain, Northeast China	340
REJŠEK K., BUCHAR J., VANÍČEK I. , HROMÁDKO L., VRANOVÁ V., MAROSZ K.: Results of dynamic penetration test – an indicator of the compaction of surface soil horizons by forestry machinery	439

REJŠEK K., HOLČÍKOVÁ P., KURÁŽ V., KUČERA A., DUNDEK P., FORMÁNEK P., VRANOVÁ V.: Saturated hydraulic conductance of forest soils affected by track harvesters	321
REPÁČ I., TUČEKOVÁ A., SARVAŠOVÁ I., VENCURIK J.: Survival and growth of outplanted seedlings of selected tree species on the High Tatra Mts. windthrow area after the first growing season	349
REPÁČ I., VENCURIK J., BALANDA M. : Testing of microbial additives in the rooting of Norway spruce (<i>Picea abies</i> [L.] Karst.) stem cuttings	555
SLUGEŇOVÁ K., DITMAROVÁ L., KURJAK D., VÁEKA J. : Drought and aluminium as stress factors in Norway spruce (<i>Picea abies</i>) seedlings	547
SOUČEK J., ŠPULÁK O.: Cluster reforestation near the timber line	16
STEJSKAL J., KOBLIHA J., FRAMPTON J.: Results of Czech-American cooperation in interspecific fir hybridization in 2008 and 2009	114
SUCHOMEL J., URBAN J.: Small mammals of a forest reserve and adjacent stands of the Kelečská pahorkatina Upland (Czech Republic) and their effect on forest dynamics	50
ŠÁLEK L., HEJCMANOVÁ P.: Comparison of the growth pattern of black walnut (<i>Juglans nigra</i> L.) in two riparian forests in the region of South Moravia, Czech Republic	107
ŠIMERDA L., SOUČEK J.: Long-term silvicultural experiment with transformation of the mixed stand structure	259
ŠIŠÁK L.: Forest visitors' opinions on the importance of forest operations, forest functions and sources of their financing	266
ŠVARC P., KULA E.: Earthworm (Lumbricidae) assemblages of forest ecosystems in the anthropogenically disturbed area of the eastern Krušné hory Mts. (Czech Republic)	250
TURČÁNI M., PATOČKA J.: Does intraguild predation of <i>Cosmia trapezina</i> L. (Lep.: Noctuidae) influence the abundance of other <i>Lepidoptera</i> forest pests?	472
VALA Z., ERNST M.: Red deer density in the air-polluted area of forest ecosystems in the Krušné hory Mts. – Klášterec nad Ohří Forest District	59
VICHROVÁ G., VAVRČÍK H., GRYC V., MENŠÍK L.: Preliminary study on phloemogenesis in Norway spruce: influence of age and selected environmental factors	226
ZEHNÁLEK P., REMEŠ J., PULKRAB K.: Importance of logging technologies for economic effectiveness of tending Norway spruce stands	78

LIST OF REVIEWERS

In 2011, 106 reviewers from 15 countries have been addressed.
Their valuable help to the authors is greatly appreciated.

- ALBRECHTOVÁ JANA, Průhonice, Czech Republic
ANDREAE HENNING, Pirna, Germany
ANIC IGOR, Zagreb, Croatia
BALCAR VRATISLAV, Opočno, Czech Republic
BORŮVKA LUBOŠ, Prague, Czech Republic
BOZIC GREGOR, Ljubljana, Slovenia
BUBLINEC EDUARD, Ružomberok, Slovak Republic
BUCHA TOMÁŠ, Zvolen, Slovak Republic
CECH THOMAS, Wien, Austria
CUDLÍN PAVEL, České Budějovice, Czech Republic
ČABOUN VLADIMÍR, Zvolen, Slovak Republic
ČELLÁROVÁ EVA, Košice, Slovak Republic
ČUNDERLÍK IGOR, Zvolen, Slovak Republic
DRÁPELA KAREL, Brno, Czech Republic
DUŠEK DAVID, Opočno, Czech Republic
EISENHAEUER DIRK ROGER, Pirna, Germany
FAJMAN MARTIN, Brno, Czech Republic
FÜRST CHRISTINE, Tharandt, Germany
GEBAUER ROMAN, Brno, Czech Republic
GEISSER HANNES, Thurgau, Switzerland
GOGLIA VLADO, Zagreb, Croatia
HÁJEK MIROSLAV, Prague, Czech Republic
HAVRÁNEK FRANTIŠEK, Jíloviště-Strnady,
Czech Republic
HENŽLÍK VLADIMÍR, Brandýs nad Labem,
Czech Republic
HOKMABADI HOSSEIN, Rafsanjan, Iran
HOLUB PETR, Brno, Czech Republic
HRČKA RICHARD, Zvolen, Slovak Republic
HRIB MICHAL, Prague, Czech Republic
HRŮZA PETR, Brno, Czech Republic
HURT VÁCLAV, Brno, Czech Republic
HYNEK VLADIMÍR, Prague, Czech Republic
IAKOVGLOU VALASIA, Kavalas, Greece
JANKOVSKÝ LIBOR, Brno, Czech Republic
JAWORSKI ANDRZEJ, Krakow, Poland
JURÁSEK ANTONÍN, Opočno, Czech Republic
KELLEROVÁ DANIELA, Zvolen, Czech Republic
KLVAČ RADOMÍR, Brno, Czech Republic
KODRÍK MILAN, Zvolen, Slovak Republic
KOŇAS PETR, Brno, Czech Republic
KOZEL JAN, České Žleby, Czech Republic
KRAJNAKOVA JANA, Brno, Czech Republic
KREHAN HANNES, Wien, Austria
KULA EMANUEL, Brno, Czech Republic
KULHAVÝ JIŘÍ, Brno, Czech Republic
KUPKA IVO, Prague, Czech Republic
KURÁŽ VÁCLAV, Prague, Czech Republic
LACHMANOVÁ ZORA, Jíloviště-Strnady,
Czech Republic
LAŠTŮVKA ZDENĚK, Brno, Czech Republic
LOJKA BOHDAN, Prague, Czech Republic
LOMSKÝ BOHUMÍR, Jíloviště-Strnady,
Czech Republic
LSTIBŮREK MILAN, Prague, Czech Republic
MÁCHOVÁ PAVLÍNA, Jíloviště-Strnady,
Czech Republic
MALÁ JANA, Jíloviště-Strnady, Czech Republic
MAREK MICHAL V., Brno, Czech Republic
MARTINCOVÁ JARMILA, Opočno, Czech Republic
MARTINKOVÁ MILENA, Brno, Czech Republic
MARUŠÁK RÓBERT, Prague, Czech Republic
MATĚJKA KAREL, Prague, Czech Republic
MERGANIČ JÁN, Železná Breznica,
Slovak Republic
MESSINGEROVÁ VALÉRIA, Zvolen, Slovak Republic
MODRZYŃSKI JERZY, Poznan, Poland
MOSER WARREN KEITH, Staint Paul, Minnesota,
USA
NOVÁK JIŘÍ, Opočno, Czech Republic
OK KENAN, Istanbul, Turkey
PACH MACIEJ, Krakow, Poland
PALÁTOVÁ EVA, Brno, Czech Republic
PETRÁŠ RUDOLF, Zvolen, Slovak Republic
PODRÁZSKÝ VILÉM, Prague, Czech Republic
POKORNÝ RADEK, Brno, Czech Republic
PRETZSCH HANS, Freising, Germany
REJŠEK KLEMENT, Brno, Czech Republic
REMEŠ JIŘÍ, Prague, Czech Republic
REPÁČ IVAN, Zvolen, Slovak Republic
ROBAKOWSKI PIOTR, Poznan, Poland
SABOR JANUSZ, Krakow, Poland
SAH V.K., Uttarakhand, India
SKOUPÝ ALOIS, Brno, Czech Republic
SLODIČÁK MARIAN, Opočno, Czech Republic
SOSANI JAVAD, Khurramabad, Iran
SOUČEK JIŘÍ, Opočno, Czech Republic
SOUKOVATA LIDIA, Raszyn, Poland
SOWA JANUSZ, Krakow, Czech Republic
STYRANIVSKY OLEG, Lviv, Ukraine
SUCHOMEL JOZEF, Zvolen, Slovak Republic
SZEWCZYK JANUSZ, Krakow, Poland
ŠACH FRANTIŠEK, Opočno, Czech Republic
ŠÁLKA JAROSLAV, Zvolen, Slovak Republic
ŠIŠÁK LUDĚK, Prague, Czech Republic
ŠPULÁK ONDŘEJ, Opočno, Czech Republic
ŠRÁMEK VÍT, Jíloviště-Strnady, Czech Republic
ŠTEFANČÍK IGOR, Zvolen, Slovak Republic
TOMASKOVA IVANA, Brno, Czech Republic
TUČEKOVÁ ANNA, Zvolen, Slovak Republic
TURČÁNI MAREK, Prague, Czech Republic
TUTKA JOZEF, Zvolen, Slovak Republic
ÚRADNÍČEK LUBOŠ, Brno, Czech Republic
VAVRČÍK HANUŠ, Brno, Czech Republic
VAVŘÍČEK DUŠAN, Brno, Czech Republic
VIEWEGH JIŘÍ, Prague, Czech Republic
VON WILPERT KLAUS, Freiburg, Germany
WIELOCH GRZEGORZ, Poznań, Poland
ZAHRADNÍK PETR, Jíloviště-Strnady,
Czech Republic
ZANELLA AUGUSTO, Legnaro, Italia
ZIELSKI ANDRZEJ, Krakow, Poland
ZLATUŠKA KAREL, Brno, Czech Republic
WEST PAUL C., Minneapolis, Minnesota, USA