Personal Information

Konstantin Ivanov Marinov

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Web site: www.ltu.bg.

Sex: Male | Nationality: Bulgarian

WORK EXPERIENCE

2024-onwards and 2016-2020

Associated Professor, Head of the Department "Technologies and Mechanization in Forestry"

University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria, www.ltu.bg.
Faculty of Forestry, Department of Technologies and Mechanization of Forestry

- Management of the teaching and research team of an academic unit - department
- University education – Lecture, Training and Research in the field of Technologies and Mechanization of Forestry.

University Education and Scientific Research

2009-onwards

Associated Professor

University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria, www.ltu.bg.
Faculty of Forestry, Department of Technologies and Mechanization of Forestry

- University education – Lecture, Training and Research in the field of Technologies and Mechanization of Forestry.

University Education and Scientific Research.

1989-2009

Assistant Professor (1989-1992), Senior Assistant Professor (1992-1999), Chief Assistant Professor (1999-2009)

University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Faculty of Forestry, Department of Technologies and Mechanization of Forestry,

- University education – Lecture, Training and Research in the field of Mechanization of Forestry.

University Education and Scientific Research.

1988-1989

Researcher

University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Scientific and Research Sector of University of Forestry .

- Research and Design of Specialized Forest Machinery.

Machinery and Equipment of Forestry.

1982-1983

Mechanic (1982-1983)

CMK Kremikovtsi, CO Mechanization and Auto transport, Sofia, Bulgaria.

- Repair and maintenance of automotive equipment..

Auto Transport

EDUCATION AND TRAINING

1998-2001

PhD in Scientific Subject „Technology, Mechanization and Automation of Forestry and Wood Industry“, Diploma № 31409).

University of Forestry, 10 Kliment Ohridski Blvd., Sofia, Bulgaria.

- PhD student, Department of Technologies and Mechanization of Forestry.
- Dissertation thesis: Technological Research of Mechanical Dewinging of Coniferous Seeds.

1983-1988

Master, Mechanical engineer of Mechanization of Forestry. Diploma: B 81/ № 007909.

University of Forestry, 10 Kliment Ohridski Blvd., Sofia, Bulgaria.

- Master student on the specialty „Complex mechanization and assembly lines in Forestry”.

1976-1980

Mechanical Technician

Technical School of Auto Transport and Energy „Henry Ford“, Sofia, Bulgaria.

- Specialty: Internal combustion engines.

PERSONAL SKILLS

Mother tongue: Bulgarian

Others language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B1	B1	B1
Russian	C1	C1	C1	C1	C1

Communication skills

- good communications skill, gained as lecturer in University of Forestry.

Organizational / managerial skills

- good organizational skills, gained as Head of Department “Technologies and Mechanization in Forestry”; leadership

Job-related skills

- good skills in processes of controlling of the educational activity, the quality of work in faculty units, and attestation of lecturers, gained as a member of commissions on a quality, educational activity and attestation in the Faculty of Forestry.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Proficient user	Independent user

- good command of office suite (word processor, spread sheet, presentation software)
- good command of a QstatLab-6 specialized software for analysis and statistical processing data

and, gained as a researcher

Other skills
- Lorry driver;
- Legal capacity to work with agricultural and forestry equipment, chainsaws and brushcutters

Driving licence Categories: B, C, Tкт

ADDITIONAL INFORMATION

Publications
- In Anexes

Projects
- International Bulgarian-Slovak Scientific Research Project CSTC /Slovakia 01/8, 2011-2013 г: "Complex biomass utilization for energy".
- National Educational Project BG051PO001-4.3.04-0052 „Development of a center for electronic forms of distance learning at the University of Forestry", Operative program „Human Resources Development", 2012-2015.
- National Research Project "Mechanized site preparation for establish of poplar plantations in region of NWSF Vratsa". Contract № 152/08.03.2017 (NACID № 2408436), University of Forestry, Sofia, 2017-2019 – Project Manager.
- National Research Project "Research on the possibilities of gravitational transport of small size wood logs obtained by selection harvesting or clearcutting". Contract № Б-108/2019 (NACID № 2410616), University of Forestry, Sofia, 2019-2020.
- National Research Project "Establishment of Optimal Technological Modes for Forest Seeds Extraction for Containerized Saplings Producing". Contract № Б-1216/27.04. 2022 (NACID № 2412751), University of Forestry, Sofia, 2022 – Project Manager.
- National Educational Project BG05M2OP001-2.016-0022 „Modernization of higher education on sustainable use of natural resources in Bulgaria", Operative program „Science and Education for Intelligent Growth", 2022-2023 – Project Participant.
- National Research Project "Research of a modern system of machines for the wood extraction for energy needs". Contract № НИС-Б-1285/19.10.2023, University of Forestry, Sofia, 2023-2024. – Project Participant

Memberships
- Member of Union of Scientists in Bulgaria, Section "Forestry", Sofia;
- Member of the Expert Group of Bulgarian Institute for Standardization/ Technical Commission TK-23 "Tractors and Techniques for Agricultural and Forestry" and TK -14 "Road Vehicles, Internal Combustion Engines and Tractors and Techniques for Agriculture and Forestry".
- Member of Energy Utilization Biomass Association (EUBA) – Bulgaria.

Certifications
- Certification for Auditor / International QMS Auditor/ „Intertek", Diploma №106159. Certifications for: „Advanced methods for teaching by using ICTs "; „Web technologies"; "Methods and systems for e-learning " and „ Methodology for academic learning".

ANNEXES

- Publications (from 2010 year)

Marinov K. 2010. Management and control on the seed processing at state forest seed enterprises. Management & Sustainable Development, №1, vol. 23: 249-254. https://jmsd.bg/

Marinov K., Lyubenov, K. 2010. Friction coefficients seeds analysis of the conifer species. Forestry ideas, 2010, Vol. 16, № 2, pp.196-203. https://forestry-ideas.info.

Marinov K., Vukov G. 2010. Graf analytical dependences for definition of the speed transportation of bulk materials with screw mechanisms, equipped with resistance valves or opposition devices at the outlet. In: Proceedings of the Third Scientific Conference "Innovation in Wood Industry and Engineering Design", Sofia, 5-7 November, 2010, pp.189-195. https:www.scjournal-inno.com/

Marinov K., Vukov G. 2011. Analysis of screw presses parameters used in the production of biomass briquettes. Management & Sustainable Development, №1, Vol. 28, pp. 333–339. https://jmsd.bg/

Marinov K. 2011. Study of conifer seeds dewinging quality at seed processing regional station of Razlog. In: Proceedings of the Scientific Conference "Sustainable forest management at oak forest belt of Bulgaria", 29-30 September, 2011, Primorsko, Bulgaria,pp. 128-135.

Tasev G., **Marinov K.** 2011. Mechanization of Agriculture. Eds. Avangard Prima, Sofia:131 p. ISBN: 978-954-

323-795-1.

Marinov K., Gochev Zh., Stoilov S. 2012. Screw presses study for briquettes' from densified wood. – In: Proceedings of the 8th International Science Conference "Chip and chipless woodworking processes 2012", 6-8 September, Zvolen, 2012, Technical University of Zvolen, pp. 217-225. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=36&SID=E3EIWn87r98uYP3nkKO&page=1&doc=8

Gochev Zh., Stoilov S., **Marinov K.**, Ferenčik M., Lieskovský M. 2012. Woody biomass utilization in Bulgaria and Slovakia. – In: Proceedings of the 8th International Science Conference "Chip and chipless woodworking processes 2012", 6-8 September, Zvolen, Technical University of Zvolen, 2012, pp. 117-124.

Marinov K. 2012. Technologies and Machines for Greenhouse Production of Containerized Seedlings. Eds. Avangard Prima, Sofia 175 p. ISBN: 978-619-160-090-8.

Marinov K., Gochev Zh., Stoilov S. 2013. Technological opportunities survey of forest short rotation plantations in Bulgaria for energy biomass production. Analysis of the production of energy from biomass in Bulgaria and perspectives for creating energy plantations from short rotation wood crops. Innovation in woodworking industry and engineering design, Vol 2, 1/2013, pp. 148-160.

Marinov K., Gochev Zh., Stoilov S. 2013. Technological opportunities survey of forest short rotation plantations in Bulgaria for energy biomass production. Technology stages of creation and cultivation of wood biomass plantations. Innovation in woodworking industry and engineering design, Vol II, 1/2013: 161-172. https://www.scjournal-inno.com/

Marinov K., Gochev Zh., Stoilov S. 2013. Technological opportunities survey of forest short rotation plantations in Bulgaria for energy biomass production. Analysis of the technologies and machines for wood biomass plantation harvesting. Innovation in woodworking industry and engineering design, Vol.II,1/2013: 173-182. https:www.scjournal-inno.com/

Stoilov S., **Marinov K**., Delieva A.. 2013. Study of LKT-81T wheel skidder productivity in western Rhodope Mountains. Woodworking and Furniture Manufacturing, № 2: 24-32.

Marinov K. 2013. Economic and Technological Aspects for Development of Energy Plantations for the Production of Wood Chips. Management & Sustainable Development, №6, Vol. 43(6): 96-106. https://jmsd.bg/

Gochev Zh., **Marinov K**., Lieskovský M, Ferenčík M., Stoilov S. 2013. Exploring the performance of industrial and laboratory produced pellets. – In: Proceedings of the International Scientific Conference "Wood Technology & Product Design", 16-18 May, Ohrid, 2013, pp. 10-17. UDC 674:684 (082). ISBN: 978-608-4723-00-4.

Lieskovsky M., Ferenćik M., Gochev Zh., **Marinov K**. 2014. Evaluation of energy potential of wood pellets. Innovation in woodworking industry and engineering design, Vol III, 1/2014 (5): 118-126. https:www.scjournal-inno.com/

Marinov K. 2013. Technology of Short Rotation Plantations Establishment and Biomass Harvesting. In Proceedings of International seminar on "Promotion of sustainable use of biomass energy in the border region Bulgaria – Serbia", 30 October – 01 November, 2013, town of Trun, Bulgaria: 43-47.

Marinov K., Gochev Zh., Lieskovsky M., Ferenćik M. 2014. Exploring the energy performance of wood chips from Salix Viminalis- klon Tordis. Innovation in woodworking industry and engineering design, Vol. 3, 2/2014 (6): 50-56. https:www.scjournal-inno.com/

Marinov K. 2013. Mechanization of Forest Activity. Eds. University of Forestry, Sofia: 500 p. ISBN: 978-954-332-106-3.

Marinov K. 2014. Milling Machines Performances for Soil Preparation on Non-Renewable Forest Sites. Management & Sustainable Development. № 6, vol. 49: 113-120.

Marinov K., Gochev Zh., Lieskovsky M., Ferencik M. 2014. Energy Characteristics of the Wood Biomass of Euro-American Hybrid Poplar. Management & Sustainable Development, № 6, vol. 49: 103-112. https://jmsd.bg/

Marinov K., Jordanova V. 2015. Evaluation of technological opportunities of a forest milling unit for site preparation of afforestation. Innovation in woodworking industry and engineering design, Vol IV, 2/2015 (8): 18-29.

Jordanova V., **Marinov K**. 2015. Study of milling technology unit performance for site preparation of forest area for afforestation. Forestry Ideas, Vol. 21, № 2/2015(50): 335-346. ISSN 1314-3905; 2603-2996. (Web of Science, CABI). https://forestry-ideas.info/.

Marinov K., Stefanov K. 2015. Machines for plant protection. Eds. Avangard Prima, Sofia:178 p. ISBN: 978-619-160-419-7

Marinov K. 2016. Analysis of the dewinging process on Scots pine seeds with small dimension dewinger. Innovation in woodworking industry and engineering design, Vol.5, №1/2016 (9): 82-92. ISSN 1314-6149; e-ISSN 2367-6663. http://www.scjournal-inno.com/

Marinov K., Jordanova V. 2017. Comparative analysis of site preparation costs of poplar plantations establishment by various technological schemes. Journal of Agricultural Science and Technology B, Vol.7, №2/2017: 125-138. DOI: 10.17265/216-6264/ 2017.02.006. ISSN 2161-6264. (Google Scholar, CiteFactor, Index Copernicus) http://www.davidpublisher.org/Home/Journal/JAST-B

Marinov, K., Jordanova, V. 2017. Technological research of mechanized site preparation for afforestation of forest lands. Innovation in woodworking industry and engineering design, Vol VI, 2/2017 (12): 31-39.

Marinov, K., Jordanova, V. 2017. Analysis of energetic indicators of forestry milling machines for site preparation. Innovation in woodworking industry and engineering design, Vol VI, 2/2017 (12): 41-56.

Jordanova, V, **Marinov, K.** 2017. Fuel economy of forestry milling unit for site preparation for afforestation of poplar cultures. Management and sustainable development. Vol. 63, № 2/2017: 45-53. https://jmsd.bg/

Marinov, K. 2017. Energetic and power parameters of forestry tillers. Management and sustainable development. Vol. 63, № 2/2017: 83-91. https://jmsd.bg/

Marinov, K., Ivanov Iv., Jordanova V., Peev D. 2017. New mechanized technology for poplar plantations establishment in North-West State Forestry Vratsa. Management and Sustainable Development, Vol. 67, № 6: 123-133. ISSN 131-4506. (VINITI). http://oldweb.ltu.bg/jmsd/index_bg.html.

Marinov K., Jordanova V. 2018. Technological speeds for soil preparation of forest area with special forestry tiller. Innovation in woodworking industry and engineering design, Vol VII, 1/2018 (5): 33-43.

Marinov, K. 2018. Power Analysis of Forestry Cutters for Comminuting of Wood Waste in Poplar Clearings. In: Proceedings of The IX-th Scientific & Technical Conference "Inovations in Forest Industry and Engineering Design",

INNO 2018, Vitosha Park Hotel Sofia, Sofia, 27-29. 09.2018: 103-119. ISSN 1314-0663.

Marinov, K., Stefanov, K, 2019. Operational performance of forestry milling brush cutters for poplar clearings cleaning. Forest Science, Vol. 55, №1: 91-111. ISSN: 0861-007X. (CABI, Web of Science). https://naukazagorata.wordpress.com.

Stefanov, K., **Marinov, K.**, Peev, D., 2019. Exploitation research of machine for loading of wood. Forest Science, № 1: 113-122. ISSN: 0861-007X. (Web of Science). https://naukazagorata.wordpress.com/

Marinov, K., 2019. Power Analysis of Forestry Cutters for Comminuting of Wood Waste in Poplar Clearings, Part 1: Energy Intensity. Innovations in Woodworking Industry and Engineering Design, Vol. 8, №1/2019(15): 66-77. ISSN 1314-6149; e-ISSN 2367-6663. (CABI, Web of Science). http://www.scjournal-inno.com/

Marinov, K., 2019. Power Analysis of Forestry Cutters for Comminuting of Wood Waste in Poplar Clearings, Part 2: Power Parameters. Innovations in Woodworking Industry and Engineering Design, Vol. 8, №1/2019(15): 78-83. ISSN 1314-6149; e-ISSN 2367-6663. (CABI, Web of Science). http://www.scjournal-inno.com/

Marinov, K., Kostov, K., 2019. Quality Analysis of the Soil Preparation by Forestry Tillers. Collection Scientific Works of 28-th International Conference „Management and Quality" for Students and Young Scientists' 2019, 10÷11 May 2019, Trakia University – Stara Zagora, FTT-Yambol: 43-52. ISSN 2603-4395. (НАЦИД). https://sskb.org

Marinov, K., 2019. Technical and economic properties of forestry milling machines for soil preparation of poplar plantations establishment. Management and Sustainable Development, Vol. 79, № 6/201973-81. ISSN 1311-4506. (VINITI). http://oldweb.ltu.bg/jmsd/index_bg.html./

Marinov, K., 2019. Analysis of the kinematics and dynamic parameters on the paddle dewingers for seed extraction. Management and Sustainable Development, Vol. 79, №6: 89-93. ISSN 1311-4506. (VINITI). http://oldweb.ltu.bg/ jmsd/index_bg.html.

Marinov, K., 2019. Research of forestry milling machines for soil preparation for establishment of poplar plantations. Sofia, Intel Entrance, 337p. Monograph. ISBN 978-619-7554-03-8.. http://www.booksinprint.bg/Publication.

Marinov, K., 2021. Mechanization of Forestry Activity. Intel Entrance, Sofia, Bulgaria, 2-nd Ed., 398 p. ISBN 978-619-7554-82-3. (COBISS.BG-ID-50197512). https://plus.bg.cobiss.net/; http://www.booksinprint.bg/

Marinov, K., 2021. Study on the operating characteristics of forestry milling machines for grinding stumps in poplar clearings, Forest Science, Sofia, Vol. 57, № 1: 103-118. ISSN 0861-007X. (Web of Science). https://naukazagorata.wordpress.com/

Marinov, K. 2021. A theoretical analysis of forestry and wood processing machines with screw devices. International Journal - Wood Science, Design & Technology, Vol.10, №1 (2021): 8-13. ISSN 1857-8381, ISSN 1857-9140 (online). (Indexed in EBSCO) http://www.fdtme.ukim.edu.mk/en/wood_journal/current.html. UDC 674.

Marinov, K., Ivanov, M., 2022. Operating modes optimization of seed cleaning machine for seeds extraction in the Lokorsko forest nursery. Management and Sustainable Development, Vol. 97, № 6: 73-85. ISSN 1311-4506 (VINITI) https://jmsd.bg/ jmsd.bg/pages/en/97.html

Peev, D., Georgiev, D., **Marinov, K.**, 2022. Exploitation research of a cable skidder TAF 690 PE for timber skidding in the Western Stara Planina. Innovations in Woodworking Industry and Engineering Design, Vol. 11, № 2: 61-69. ISSN 1314-6149; e-ISSN 2367-6663. **(Web of Science, CABI**). https://www.scjournal-inno.com/en/article-416.htm

Marinov, K., Ivanov, M., Peev, D., 2022. Technological research of pneumo-separator for forest seeds extraction. Innovations in Woodworking Industry and Engineering Design, Vol. 11, № 2: 70-81. ISSN 1314-6149; e-ISSN 2367-6663. **(Web of Science, CABI**). https://www.scjournal-inno.com/en/article-416.htm

Marinov, K., Kostov, K., 2022. Exploitation research on forestry milling machines for soil preparation at the territory of Shumen North-East State Forestry. Innovations in Woodworking Industry and Engineering Design, Vol. 11, № 2: 82-95. ISSN 1314-6149; e-ISSN 2367-6663. **(Web of Science, CABI**). https://www.scjournal-inno.com/en/article-416.htm.

Marinov, K., Kostov, K., Peev, D. 2023. Operational properties of forestry mulchers for cleaning field protection forest belts after sanitary cuttings. Silva Balcanica, 24(2): 59-81. DOI: 10.3897/silvabalcanica.24.e109161. ISSN 1311-8706 **(Web of Science, CABI**). https://silvabalcanica.pensoft.net/article/109161/