

“GHEORGHE ASACHI” TECHNICAL UNIVERSITY OF IAȘI
FACULTY OF INDUSTRIAL DESIGN AND BUSINESS MANAGEMENT
DEPARTMENT OF ENGINEERING AND DESIGN OF TEXTILE PRODUCTS
Competition for the position of **Associate Professor, position 9** from the List of Positions for Academic Staff

Disciplines: Processes and machinery in cotton spinning mill I
Processes and machinery in cotton spinning mill II
Industrial technologies - Yarns

TOPICS OF COMPETITION

for the position of Associate Professor – position 9

1. Process flow charts of yarn manufacturing
2. Cotton blending, cleaning and opening in the blowroom
3. Carding
4. Doubling and drafting
5. Combing
6. Roving formation
7. Yarn spinning

Bibliography:

1. Ichim, M., *Tehnologii industriale – Fire*, Ed. Performantica, Iași, 2024, 246 pag., ISBN 978-630-328-091-2.
2. Sava, C., Ichim, M., *Filatura de bumbac. Tehnologii și utilaje în preparare*, Ed. Performantica, Iași, 2005, 500 pag., ISBN 973-730-088-2, ISBN 973-730-091-2.
3. Avram, D., *Procese și mașini în filatura de lână*, partea a II-a, Iași, Performantica, 2009.
4. Cuzic-Zvonaru, C., Mustață, A., Racu, C., Manolache, R., Zvonaru, R., *Filatura de liberiene. Compendiu*, Iași, Editura BIT, 2001. ISBN 973-9327 53-2.
5. Lord, P.R., *Handbook of yarn production*, Woodhead Publishing Ltd., Cambridge, England, 2003, ISBN 978-1-85573-696-2.
6. Gordon, S., Hsieh, Y.-L., *Cotton: Science and technology*, Woodhead Publishing Ltd., Cambridge, England, 2006, ISBN-13: 978-1-84569-026-7.
7. Simpson, W.S., Crawshaw, G.H., *Wool: Science and technology*, Cambridge, Woodhead Publishing Ltd., 2002, ISBN 1 85573 574 1.
8. Klein, W., *A Practical Guide to Opening and Carding*, Manchester, The Textile Institute, Short-staple Spinning Series, vol. 2, 1987.

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Head of departament,

Associate Prof. Eng. Liliana HRISTIAN, PhD