

CUTTING-EDGE SCIENCE 2022

international scientific and practical conference



2022 SHAWNEE, USA

ISBN 978-1-64945-234-4

<https://doi.org/10.5281/zenodo.6481317>

International scientific and practical conference

CUTTING EDGE-SCIENCE

2022 Shawnee, USA

Conference Proceedings

Primedia E-launch

Shawnee, USA

PRIMEDIA E-LAUNCH

International scientific and practical conference

CUTTING EDGE-SCIENCE

2022 Shawnee, USA

Conference Proceedings

Science editor: G. Kolne

Copyright © 2022

By Primedia E-launch LLC

All rights reserved.

Available at virtualconferences.press

Published Primedia E-launch LLC.

Shawnee, USA

ISBN 978-1-64945-234-4

<https://doi.org/10.5281/zenodo.6481317>

Primedia E-launch LLC, 5518 Flint St, Shawnee, 66203, USA

<https://orcid.org/0000-0001-9154-6049>

instituteforscientificresearch@gmail.com

MEDICINE

Hygienic assessment of the microclimate and lighting of the typography

Alisherov Temur Alisher ugli¹-master student,

temur.alisherov1992@mail.ru,

Akhmadaliyeva Nigora Odilovna²-Ph.D., Associate professor

gig.dok.74@mail.ru,

Shodmanov Bakhtiyor Bakhromaliyevich³-master student

baxtiyor.shodmanov92@mail.ru.

TASHKENT MEDICAL ACADEMY, UZBEKISTAN

Annotation: In the printing industry activities, the quality of printed products and accuracy of working condition depend on many factors [1, p.43]. One of the important factors is to ensure optimal indoor microclimate factors [2, p.18]. The microclimate in the production environment should also be optimal for employees. Otherwise, it leads to a decrease in the quality of work activity and process, general condition of the worker, body thermoregulation and attention [3, p.253].

Key words: printing industry, microclimate factors, lighting, working place.

Hygienic assessment of microclimate parameters and lighting level in the working environment both in warm and cold periods of the year in the printing house of the Tashkent Medical Academy. The research was carried out by the laboratory of the TMA-KU collaborating research centre.

Meteoscope-M devices were used to determine the indicators of the microclimate of the working area, as well as temperature, relative humidity and air velocity. TES-1330A lighting meter (Digital lighting meter) were used for determine the general lighting level of working area. Measurements of microclimate factors in the workplace were carried out in accordance with the requirements of “Sanitary and hygienic requirements and rules of microclimate of the production rooms” No. of 0324-16 [4, p.18]. Measurements of lighting level of working area were carried out in accordance with the requirements of “Daylighting and artificial lighting” No. of 2.01.05-19 [5, p.46].

The measured results showed that the average temperature in the working area at different heights in a cold climate was $23.5 \pm 0.5^{\circ}\text{C}$ in the printing house and also was $23.8 \pm 0.1^{\circ}\text{C}$ in coating products and printing room, the level of relative air humidity 37.9 ± 0.2 and $37.3 \pm 0.2\%$, and indoor air velocities were 0.12 ± 0.005 and 0.24 ± 0.006 m/sec respectively. The results of measurements showed the average level of general lighting in the printing house and coating products and printing house, respectively 431 ± 24.4 and 409.3 ± 24.4 lux.

In a warm climate, the air temperature in the same rooms was $23.8 \pm 0.1^{\circ}\text{C}$ and $24.5 \pm 0.1^{\circ}\text{C}$; relative air humidity 35.5 ± 1.0 and 30.5 ± 0.26 %, air velocity

0.02 ± 0.006 and 0.06 ± 0.005 m/sec, lighting levels were 386.6 ± 19.95 and 307 ± 18.3 lux respectively.

In accordance with the requirements No. of 0324-16 in warm and cold climates, the temperature at the working place was set within the normal range (in a warm climate the optimum temperature range is 23-25 °C, in a cold climate is 18-20 °C), relative air humidity and air velocity were slightly below the normal range (the normal range of humidity is 40-60%, air velocity is 0.3 m/sec).

The level of general lighting at the workplace complied with the requirements No. of 2.01.05-19 and amounted to 385-455 lux (general lighting standard is 300-400 lux).

Conclusions, factors of the microclimate of the workplace and the level of general lighting in the “Typography” meets the above requirements, but to further improve health and productivity, recommended regular use of ventilation or air conditioning in the working area.

References

1. Avdeev V. V. Protection labor in Poligraphy industry. // Accounting in publishing and printing – 2010 - 11 (143)- S.43).
2. Bukhalkov M.I. Improving the methods of labor rationing in industry // Rationing and wages in industry. - 2013. No. 8. - P.18.
3. Klimova M.A. Comprehensive assessment of the labor process of a worker: On the example of the printing industry // Ph.D. economy Sciences. - 2000, p. 253.
4. “Sanitary and hygienic requirements and rules of microclimate of the production rooms” No. of 0324-16-2016 p-20
5. “Daylighting and artificial lighting” No. of 2.01.05-19-2019, p-79

CONTENTS

ECONOMY

- Mumtozbeginim Kholmatova** – Tips for beginners of small business in Uzbekistan3
Nasretdinova Farangis – Main obstacles to the development of social entrepreneurship in NGO.6
Ustadzhalilov Dostonbek Rustamovich, Muminov Abdurahmon Abduqodir o'g'li - The current state of innovation clusters in the world, the characteristics of development and the state of the economy of Uzbekistan.9

MATH

- Rahimova Adolathon Raufhon qizi, Ismoilova Iroda Ibragimovna**- Percentage: from simple to complex13

MEDICINE

- Alisherov Temur Alisher ugli, Akhmadaliyeva Nigora Odilovna, Shodmanov Bakhtiyor Bakhromaliyevich** - Hygienic assessment of the microclimate and lighting of the typography.16
Isakhodjaeva H.K., Voxidova I.R., Malikov S.T. - The timing of the appearance of primary teeth in premature and low birth weight children.18
Alexandre Pateishvili, David Bakhturidze, Sopio Puturidze, Otar Darjania, Tamar Lomidze: MARPE/SARPE treatment, utilizing CBCT implant planning, 3D printed guides and custom-made palatal expanders, case report.....21
Albastova Eliza: Development of associative memory in music28
K.T. Robakidze, L. Sh. Grigolia: Some microbiological indicators of the oral cavity of orthopedic patients.....31
L. Arabuli, I. A. Iashchishyn, N. V. Romanova, G. Musteikyte, V. Smirnovas, H. Chaudhary, Ž. M. Svedruži'c, and L. A. Morozova-Roche: CO-aggregation OF S100A9 with L- dopa and cyclen-based compounds.....37
Tamar Okropiridze, Nodar Sulashvili: Experimental usage of plasmatic irradiation for osteogenesis stimulation.....39
Luiza Albastova: Style "botany" in porcelain 18-19 cen. Influence on the modern art.....44

PEDAGOGY

- Bakhtijon Isroilova** – Advantages and disadvantages of using communicative-cognitive approach to rising motivation at the English language teaching context.48
Bekbaeva Feruza Baxtiyeroва, Sagdullayeva Gulnora Batirovna – Methods of financial planning at the enterprise. 51
Chichek Hummatova: Modern direction of attitude to religion.54
Flora Gasimova: In the formation of the personality of younger students joint role of school and family.....56
Chichek Hummatova: Modern direction of attitude to religion.....58

PHILOLOGY

- Aleuatdinova Shasanem** – Cognitive factors of phraseological idiomaticity.60
Jamila Ermetova, Guli Rano Masharipova - The peculiarities possessed by Pragmatics and the offered field-oriented notions by experts to be analyzed.63
V. Artamonov, Abdullaeva N.F. – Linguistic analysis of the text. Evaluation category.67

STATE AND LAW

- Nugmanov Nugman Abdullaevich** - International legal aspects of the realization of human rights to information. 72

TECHNOLOGY

- Abdurashidova Nigora Alisherovna** – Use of Benchmarking in automobile industry. 76

ISBN 978-1-64945-234-4

<https://doi.org/10.5281/zenodo.6481317>

J.U. Shamuratov, P.R. Ismatullaev, P.M. Matyakubova – Quality control of oil and oil products. 79

Sh. Sh. Azimov - Analysis of the existing scheme for wastewater treatment of galvanic production.....83

CEMICAL

Elnur Mammadov, Dilara Veliyeva, Tamilla Kulibeyova, Zibeyda Safaraliyeva, Sevinj Dadashova: 6- Methyluracil and its selenalkyl derivatives.....86