



**ACADEMICIA**  
**An International**  
**Multidisciplinary**  
**Research Journal**  
**(Double Blind Refereed & Peer Reviewed Journal)**



**DOI: 10.5958/2249-7137.2021.01556.1**

**STUDY OF ENRICHMENT OF TASHKAZGAN GRAPHITE ORE WITH ORGANIC SUBSTANCE**

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**ABSTRACT**

*Work is underway to study the samples of ore from the "Tashkazgan" deposit. The chemical properties and composition of graphite ores were studied in order to provide and supply the industry of the Republic of Uzbekistan with high-quality graphite raw materials to replace imports. The results of the study, the results of dynamic thermogravimetric analysis are given.*

**KEYWORDS:** *Graphite, Metallurgy, Reaction, Flotation Machine, Concentrate, Ore, Ermogravimetric, Dynamics, Diagram*

**REFERENCES**

1. Khamidov R.A. "Graphite ores of Uzbekistan and ways of their industrial use." Journal "Geology and Mineral Resources". No. 2, 2011 p. 34-40.
2. V.I. Bragin, I.I. Baksheeva "Development of technology for the beneficiation of graphite ores" scientific and technical journal "Mining information - analytical bulletin" No. 9 pp. 133-137 ed. Gornaya Kniga CJSC M 2012
3. Mirzaev A.U., Adylov D.K., Akhmedov R.K., Sabirov B.T., Turdialiev U.M., Chernichenko N.I. "Tazkazgan deposit as a source of graphite raw materials for the industry of Uzbekistan" Gornyi Vestnik of Uzbekistan No. 3 (74) 2018, pp. 16-19 ed.
4. Abdurakhmonov E.A., Doniyarov N.A. A course of lectures on the subject "Technology of enrichment of nonmetallic minerals". - Navoi, 2008 .-- P. 144.
5. GOST 17817-78. Graphite. Methods of sampling and preparation of test samples.
6. Mineral raw materials base of building materials Uz SSR // Tashkent 1967. Under the leadership of EI Semechkina.
7. Mineral resources of Uzbekistan (part 2) T., Fan, 1977, 553 p. 101-104.
8. Temiskov VA Mineral raw materials. Graphite // Handbook. M., JSC "Geoinformmark", 1997, 30s.
9. Guidelines for the application of the classification of deposits and predicted resources of solid minerals. Graphite. M., 2007, 32s.
10. Ubelode AR, Lewis FA / Graphite and its crystalline compounds // Per. from English M.: Mir, 1965 -- 256 p.
11. Chemical encyclopedia. - Moscow: Great Russian Encyclical., 1999. V.5. S. 25-26
12. Pavlov N.N. Inorganic chemistry: textbook. For those specialist universities - M.: Higher school 1986 p. 272-274
13. Structural Chemistry of Carbon and Coals / Ed. V.I. Kasatochkina. : M.: Nauka, 1969. - 307 p.
14. Walker, F. Chemical and physical properties of carbon: [trans. from English] / Ed. F. Walker. - M.: Mir, 1969.366 p.
15. Spain, I. L. The electronic properties of graphite / I. L. Spain, Ed. P. L. Walker, P. A. Throver // In: Chemistry and Physics of Carbon. - N. Y.: Marcel Dekker, 1973. - V. 8. -p. 1-150