## CERAMIC MATERIALS IN CIVILIZATION HISTORY

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- 1. Ceramic materials produced by firing (sintering) of disperse systems play the most important role in the human history and provide constant civilization development.
- 2. Review of the most important evolutional stages of technologies of ceramic materials from natural clays firing to the production of high-tech oxide and non-oxide functional and structure ceramic materials.
- 3. Chronology of inventions and discoveries in the branch of technology and

- application of ceramic materials from the ancient times till present.
- 4. Review of development of scientific conceptions in ceramic material science based on fundamentals of solids state physics, physical chemistry, and solid body mechanics.
- 5. Classification of the modern ceramic materials taking into account their nature, properties, spheres of application.
- 6. The most promising directions in technologies and scientific researches of ceramic materials in the foreseeable future.