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1. Problems of the Aluminum cluster in the Republic of Kazakhstan.

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2. Application of new materials and prospects for the development of the Pavlodar region.

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3. Your vision of the development of the production of new materials in the conditions of large-scale industries in the Pavlodar region.

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4. Development of green technologies in metallurgy. Your suggestions.

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5. The purpose of your dissertation research. The practical significance and scientific novelty of your proposed solution to current problems.

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6. How do you imagine the use of additive technologies in the conditions of Pavlodar region?

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7. Describe the current state of the market for metallurgical raw materials. Problems of its quality and the tendency to reduce its production.

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8. Your vision in the development of the metallurgical cluster of the Pavlodar region. Identification of priority areas. Modernization of existing production facilities.

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9. Your vision of your role in the scientific community for the development of new technologies in the metallurgical industry of the Republic of Kazakhstan at the present stage (research statement)

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10. Describe your approach to the formulation of the research problem in the case of doctoral studies (research proposal)

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11. Prospects and ways of development of the aluminum cluster in the Republic of Kazakhstan (problem-thematic)?

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12. Problems of increasing the strength of metal alloys (problem-topic)?

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13. Imagine the possibilities of developing steelmaking production in the Pavlodar region. New innovative directions in this sector.

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14. Describe the current state of the mineral resource complex in Kazakhstan. The role of mining and metallurgical complexes in the development of other important sectors of the economy.

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15. Present your point of view on the current state of the ferrous metallurgy in Kazakhstan, namely, the possibilities for the development of ferroalloy production.

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16. How do you imagine the development of ferroalloy production (problem-specific)?

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17. Present your point of view on the issue of existing approaches to the processing of waste generated in ferroalloy production (problem-thematic)

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18. The main criteria for the selection of metallurgical waste for processing (problem-specific)

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19. How do you imagine how much industrial waste is generated annually at metallurgical enterprises and how to solve the problem of recycling (problem-specific)?

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20. Present your point of view on the problem of finding alternative sources of replacement of ore raw materials for new materials in the production of ferrous metals (problem-thematic)