



Last name, first name, patronymic:

Tsyganov Anatoly Pavlovich

Position (Department):

Senior Lecturer of the Department of Ecology and Geography

Information about education:

- 1980–1985 – Ust-Kamenogorsk Pedagogical Institute, Faculty of Natural Sciences and Geography, qualified as a teacher of biology and geography.

- 2018–2020 – Bachelor of Natural Sciences, major in Ecology.

Academic degree:

Candidate of Biological Sciences

Academic title:

Professor of the Russian Academy of Natural Sciences (RAE)

Pedagogical experience:

40 years

Subjects taught:

General Ecology, Industrial Ecology, Social Ecology, Ecology of Plants and Animals, Ecology of Terrestrial and Aquatic Ecosystems

Scientific interests:

Biological ecology, floristics, and geobotany

Publications and articles:

1. Author of more than 130 scientific and methodological works

2. Monographs:

- Tsyganov A.P. Baitulin I.O. Flora of the Tarbagatai ridge (Southern Altai), Ust-Kamenogorsk, 1992, p. 75.
- Tsyganov A.P. Primroses of Eastern Kazakhstan. Publishing house of the EKSU, Ust-Kamenogorsk, 2001, p. 164.
- Tsyganov A.P. Flora and vegetation of the South Altai Tarbagatai, Ust-Kamenogorsk, Publishing House of the EKSU named after S.Amanzholov, 2012 – 190s.
- Tsyganov A.P., Lukyanets Yu.G., Temirgalieva G.N. Development of the system of children's naturalistic work in East Kazakhstan region. Publishing house "Bios", 2017, 235 pages.

3. Educational and teaching aids:

- Tsyganov A.P. Flora of the Kara-Kabinsk depression. In: Flora of East Kazakhstan. Alma Ata, ed. AN Kaz.SSR, Gylym, 1991, pp. 160-183.
- Tsyganov A.P. Suggestions for correcting the contents of textbooks, anthologies and notebooks "Knowledge of the world" grades 1-4 by Kazakhstani authors. In the journal: Pedagogical Bulletin of East Kazakhstan Region, Ust-Kamenogorsk, No. 1, 2001, pp. 22-29.
- Tsyganov A.P. Suggestions for correcting the content of textbooks, anthologies and notebooks "Knowledge of the world" of grades 1-4 by Kazakhstani authors in the journal: Pedagogical Bulletin of East Kazakhstan Region No. 2, 2002.
- Tsyganov A.P. Regional adaptation of new educational and methodological materials by Kazakhstani authors in the book: A regional component in the system of environmental education and upbringing. Ust-Kamenogorsk, 2002, pp.13-14.
- Tsyganov A.P. Regional adaptation of new educational and methodological materials by Kazakhstani authors. In the journal: Ecology of East Kazakhstan: problems and solutions : Reference and Information Bulletin. Ust-Kamenogorsk, EKSU Publishing House, 2002, pp. 47-48.
- Tsyganov A.P. Synopsis of the flora of Western Altai. In: Flora and Fauna – problems of study and methodological application in teacher's school practice. Ust-Kamenogorsk, 2003, pp.62-99.

Main articles:

- Tsyganov A.P. Rare plants of the Tarbagatai range (Southern Altai).tez. doc. Conference on biocenoses of the Altai Territory and the impact of anthropogenic influences on them. Barnaul, 1990, pp. 62-64
- Tsyganov A.P. High-altitude flora of the Tarbagatai range (Southern Altai). In: Flora of East Kazakhstan. Alma Ata, ed. AN Kaz.SSR, Gylym, 1992.
- Tsyganov A.P. On cenopopulations of a rare plant of the Kazakh Altai, Trollius lilacinus (Hegemone lilacina Bunge), collection of Botanical materials of the herbarium of the Institute of Botany of the Academy of Sciences of the Kazakh SSR.
- Tsyganov A.P. On the issue of organizing research work with students. In: Bulletin of the IPK, Ust-Kamenogorsk, No. 1, 1998, pp. 177-181.

- Tsyganov A.P. Fialka Kotukhova. In the journal Ecology of East Kazakhstan: problems and solutions. Ust-Kamenogorsk, EKSU Publishing House, 2001, pp. 80-81.
- Tsyganov A.P. On the biology of a rare plant in Kazakhstan, *Trollius lilacinus* Bunge, Ranunculaceae. in: Results and prospects of the development of botanical science in Kazakhstan. Proceedings of the international scientific conference dedicated to the 70th anniversary of the Institute of Botany and Phytointroduction of the Ministry of Education and Science of the Republic of Kazakhstan – Almaty: Institute of Botany and Phytointroduction, 2002, pp. 128-130.
- Tsyganov A.P. Tertiary non-moral relics of the flora of Western Altai. In: Study of the flora of Kazakhstan and its protection. Materials of the 2nd International Youth Botanical Conference dedicated to the memory of the famous Kazakh scientist M.S. Baitenov. April 8-10, 2003, Almaty, pp.132-135.
- Kotukhov Yu.A., Tsyganov A.P. Promising botanical reserves of the Kazakh Altai. In: Regional component in the system of environmental education and upbringing – 2004. Ust-Kamenogorsk, 2004. pp.4-12.
- Tsyganov A.P. Botanical reservations in the problems of biodiversity conservation in the Kazakh Altai. Materials of the regional scientific and practical conference. Specially protected natural territories of East Kazakhstan region: problems and ways to solve them. Ust-Kamenogorsk, ed.IPK PRO,2008, pp. 4-8
- Tsyganov A.P., Zaklenchuk E.V. The near prospect of organizing scientific and ecological tourism on the territory of the ZAGPZ. In: "The regional component in the system of environmental education and upbringing – 2009". Ust-Kamenogorsk, ed. KGP "Shygys Akparat", 2009, pp. 149-152.
- Tsyganov A.P. Florogenetic features of the Paleocene-Pliocene of the Western (Rudny Altai). In: "The regional component in the system of environmental education and upbringing - 2010 . Ust-Kamenogorsk, ed.KGP "Shygys Akparat", pp.20-23
- Tsyganova, N.P. The specific flora at the heart of the floristic zoning of the Western (Ore) Altai. Actual problems of geobotanics are the materials of an International scientific conference dedicated to the memory of an outstanding scientist, the founder of the Kazakh Geobotanical School, Academician of the National Academy of Sciences, Doctor of Biological Sciences B.A.Bykov, in connection with the 100th anniversary of his birth. Almaty, ed. RSE "Institute of Botany and Phytointroduction", 2011, pp. 241-243
- Tsyganov A.P. Quantitative indicators of vegetative mobility of higher plants of Western Altai. In: "The regional component in the system of environmental education and upbringing – 2012". Ust-Kamenogorsk, ed. "Shygys Polygraph", 2012, pp. 25-28
- Tsyganov A.P., Zheltova Yu.A. Taxonomic structure of poisonous plants of the Kazakh Altai. In: "The regional component in the system of environmental education and upbringing – 2012". Ust-Kamenogorsk, ed. "Shygys Polygraph", 2012, pp. 118-119
- Tsyganov A.P. Vegetative mobility of higher plants of flora of Western (Ore) Altai. International Conference "Flora and its protection", Almaty, 5-7 September, 2012, pp. 68-70

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