403 **Table 1.** Calculated values of the deposition rate of particles according to various mechanisms
404 (gravitational deposition, acoustic flow, drift in an electric field) depending on particle diameter.
405

D (μm)	V_e/V_s	V_w/V_s
1	46.1	6.14
2	23.0	3.07
3	15.4	2.05
4	11.5	1.54
5	9.21	1.23
6	7.68	1.02
7	6.58	0.877
8	5.76	0.767
9	5.12	0.682
10	4.61	0,614
11	4.19	0.558
12	3.84	0.512
13	3.54	0.472
14	3.29	0.439
15	3.07	0.409

406

407

Figure Captions

Fig. 1. Experiment equipment: 1 – Electric filter, 2 – Ultrasound source, 3 – Atomizer, 4 – Electrostatic sprayer, 5 – Laser, 6 –Photo detector, 7 – Multi channel amplifier, 8 – Computer, 9 – Aerosol chamber.

Fig. 2. Change of the Sauter mean diameter of NaCl particles with time in experiments with an electric field, ultrasound and in the control experiment without an external field.

Fig. 3. Change of the relative mass concentration of an NaCl aerosol with time in experiments with an electric field, ultrasound and in the control experiment without an external field.

Fig.4. Dependence of the Sauter mean diameter of particles on time.

Fig.5. Dependence of the relative concentration of particles on time.

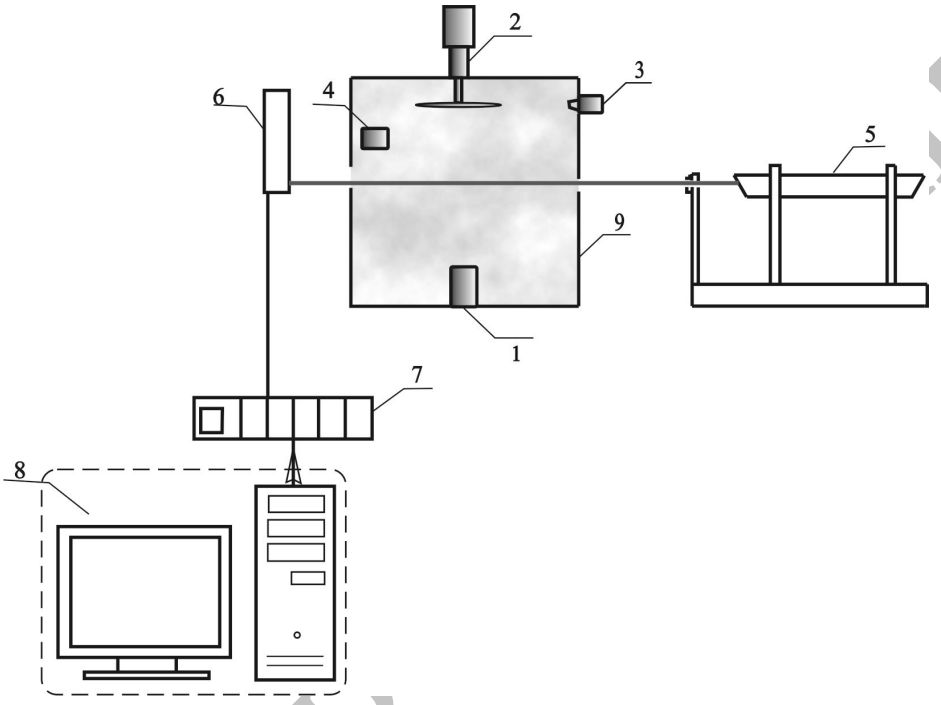

Fig. 1.

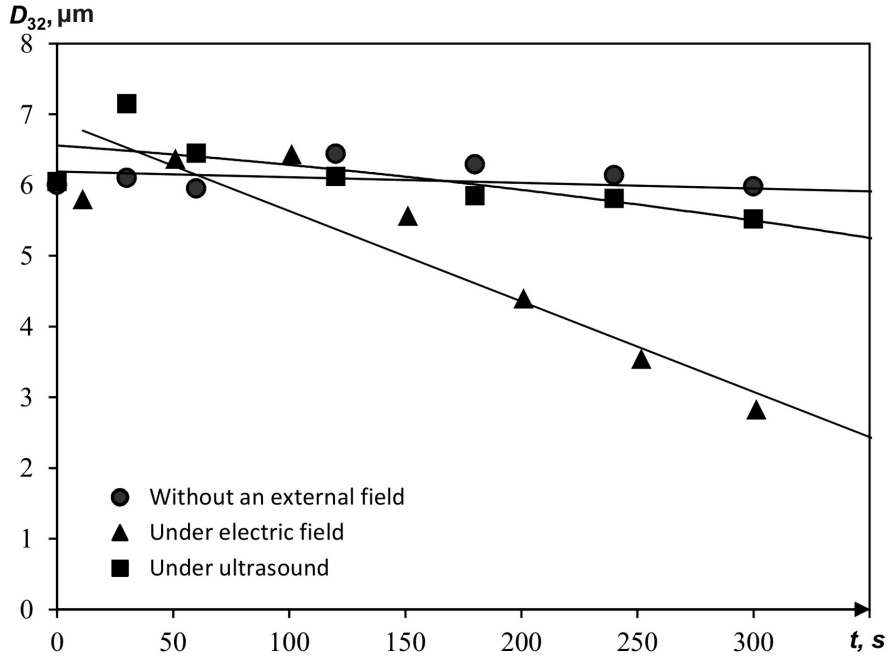

Fig. 2.

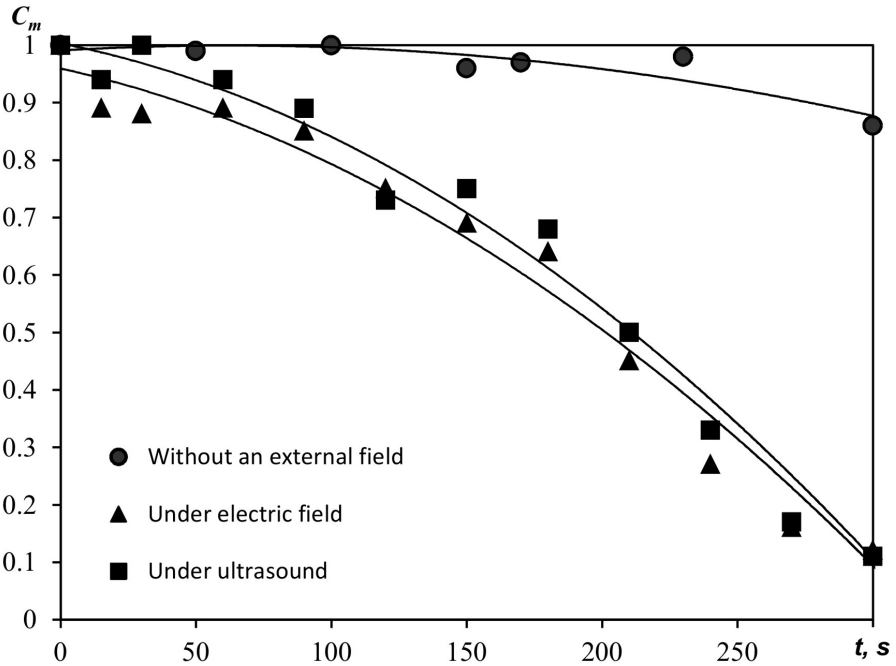

Fig. 3.

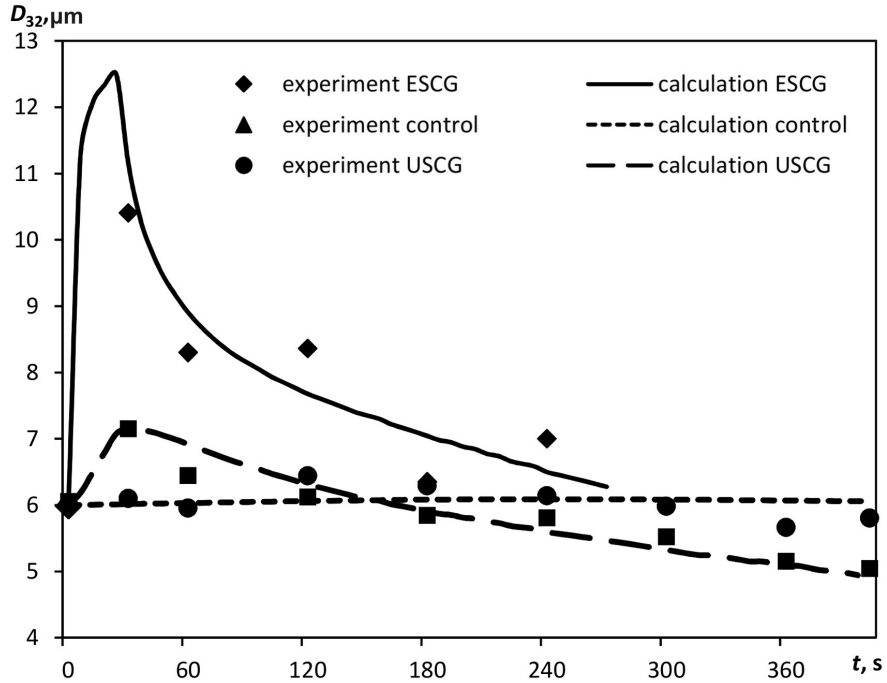

Fig. 4.

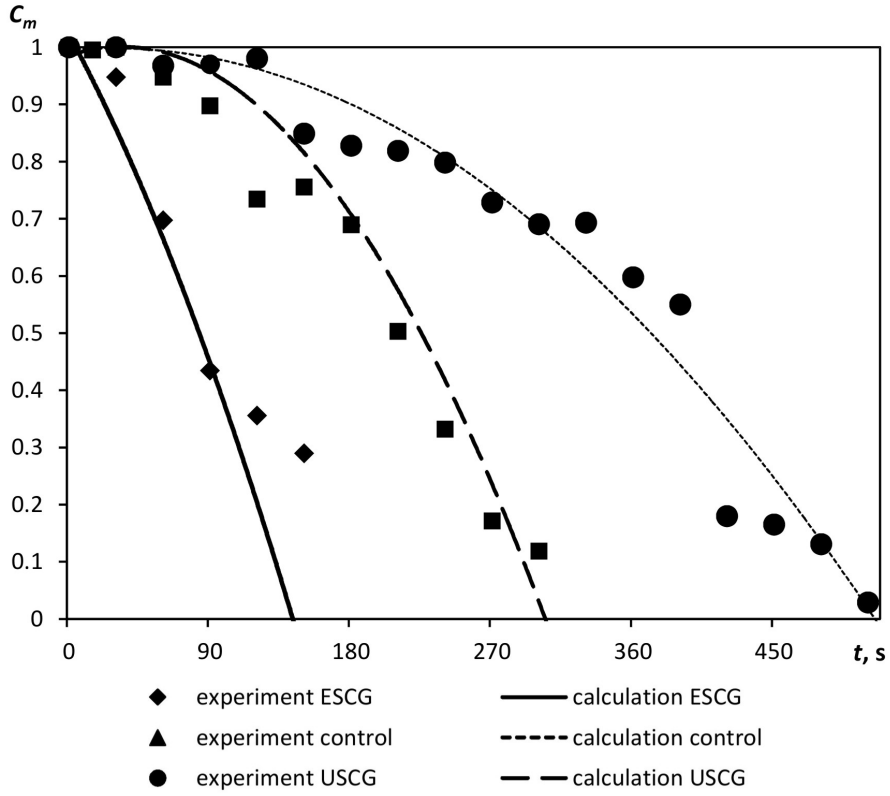

Fig. 5.