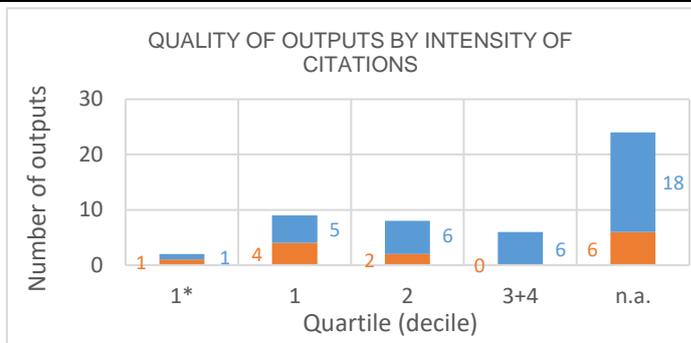
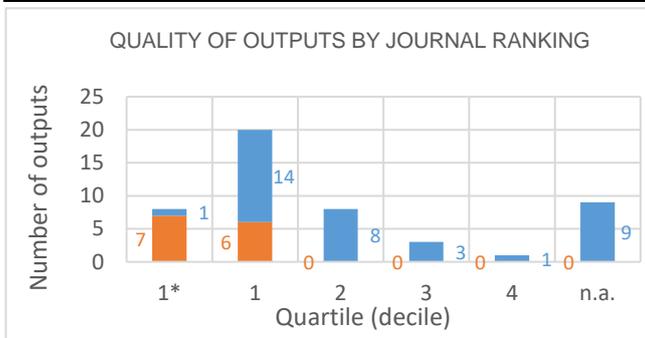


# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Analytical Chemistry of the CAS, v. v. i.  
**Team:** Trace Element Analysis  
**Head:** RNDr. Jan Kratzer, Ph.D.  
**Field:** Chemical sciences  
**Total number of outputs:** 49      **Evaluated outputs:** 13



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		4
B		8
B1	6	9
C		7
C1	7	3
D		1
D1		
E		
n.a.		4
Without affiliation		
A1+B1+C1+D1	13	16
B+C+D+E		16

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	12	10
Spectroscopy		13
n.a.		4
Environmental Sciences		3
Physics Fluids Plasmas		3
Pharmacology Pharmacy		2
Biochemical Research Methods		1
Geochemistry Geophysics		1
Chemistry Multidisciplinary	1	
Chemistry Physical		1
Immunology		1
Infectious Diseases		1
Meteorology Atmospheric Sciences		1
Microbiology		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

**Outputs used for bibliometry:** subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

**Quality of outputs by journal ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

**Quality of outputs by intensity of citations:** number of outputs in the top decile (1\*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.

**Types of collaboration:** outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.

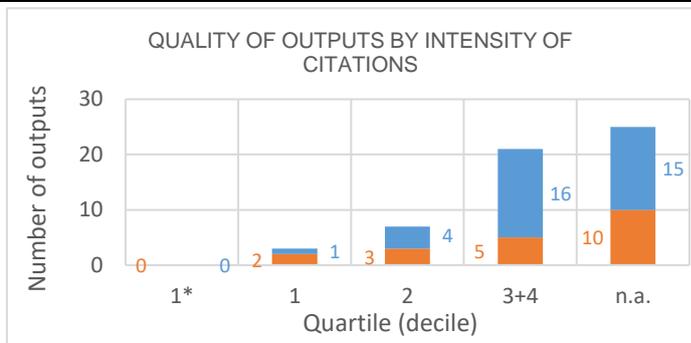
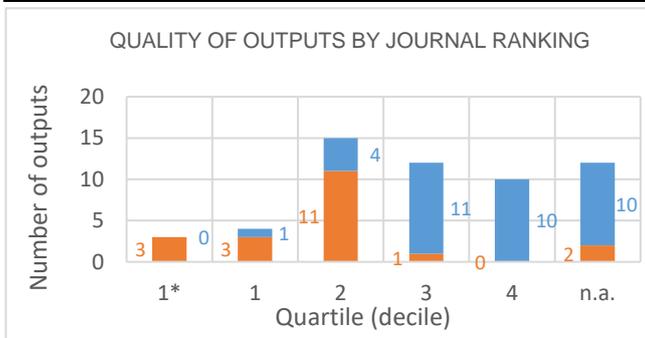
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

**Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.**

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Analytical Chemistry of the CAS, v. v. i.  
**Team:** Fluid Phase Separations  
**Head:** doc. RNDr. Michal Roth, CSc.  
**Field:** Chemical sciences  
**Total number of outputs:** 56      **Evaluated outputs:** 20



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	7	12
B		4
B1	4	7
C	4	8
C1	3	1
D		
D1		
E		
n.a.	2	4
Without affiliation		
A1+B1+C1+D1	14	20
B+C+D+E	4	12

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	12	17
Biochemical Research Methods	9	12
n.a.	2	4
Chemistry Multidisciplinary	1	4
Biochemistry Molecular Biology		3
Food Science Technology		3
Multidisciplinary Sciences	1	2
Engineering Chemical		2
Chemistry Physical	1	1
Materials Science Multidisciplinary	1	1
Agricultural Engineering	1	
Agronomy	1	
Biophysics		1
Engineering Environmental	1	
Environmental Sciences	1	
Chemistry Medicinal	1	
Immunology		1
Infectious Diseases	1	
Microbiology		1
Nanoscience Nanotechnology		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

**Outputs used for bibliometry:** subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

**Quality of outputs by journal ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

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**Types of collaboration:** outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.

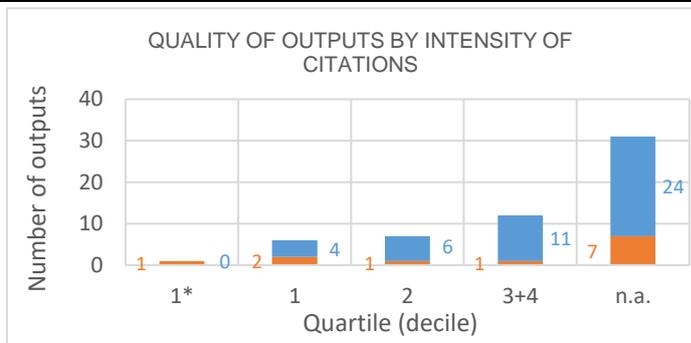
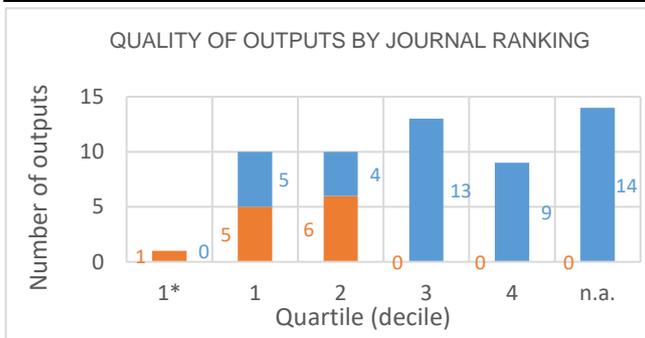
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

**Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.**

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Analytical Chemistry of the CAS, v. v. i.  
**Team:** Environmental Analytical Chemistry  
**Head:** Pavel Mikuška  
**Field:** Chemical sciences  
**Total number of outputs:** 57      **Evaluated outputs:** 12



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	6
B	3	12
B1	1	6
C		3
C1	1	
D	3	10
D1		
E		
n.a.		7
Without affiliation		1
A1+B1+C1+D1	6	12
B+C+D+E	6	25

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Environmental Sciences	6	17
Chemistry Analytical	2	5
n.a.		7
Nanoscience Nanotechnology	2	4
Toxicology	3	3
Chemistry Multidisciplinary		5
Meteorology Atmospheric Sciences	2	2
Geosciences Multidisciplinary		3
Energy Fuels	1	1
Agronomy		1
Automation Control Systems		1
Biochemical Research Methods		1
Biochemistry Molecular Biology		1
Computer Science Artificial Intelligence		1
Ecology		1
Engineering Civil		1
Engineering Environmental		1
Engineering Chemical	1	
Food Science Technology		1
Forestry		1

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

**Outputs used for bibliometry:** subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.

**Quality of outputs by journal ranking:** number of outputs in top decile (1\*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.

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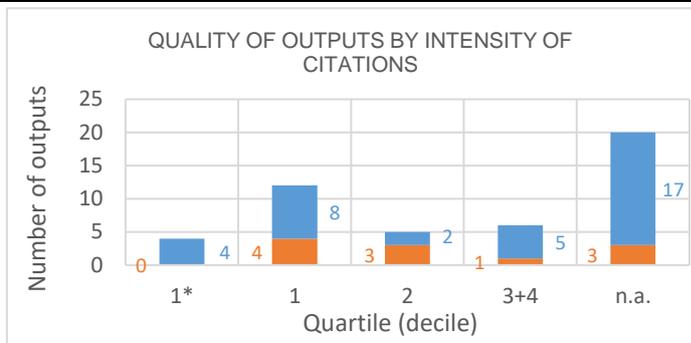
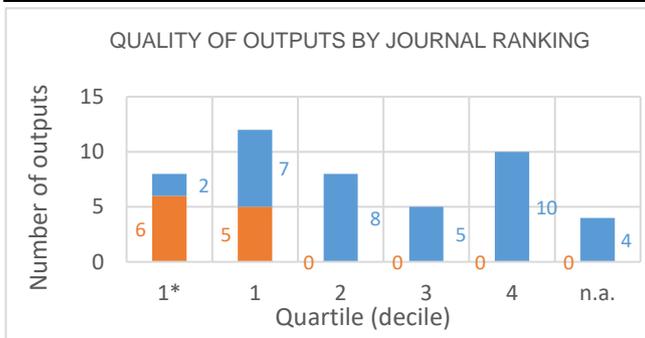
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

**Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.**

# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Analytical Chemistry of the CAS, v. v. i.  
**Team:** Electromigration Methods  
**Head:** Pavel Kubáň  
**Field:** Chemical sciences  
**Total number of outputs:** 47      **Evaluated outputs:** 11



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	8	17
B		
B1	1	1
C	1	11
C1	1	2
D		1
D1		
E		
n.a.		4
Without affiliation		
A1+B1+C1+D1	10	20
B+C+D+E	1	12

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	11	32
Biochemical Research Methods		23
n.a.		4
Electrochemistry		2
Instruments Instrumentation		2

**Total number of outputs:** outputs of the team published during the evaluated period 2015-2019.

**Evaluated outputs:** selected outputs submitted by the team to the Phase I of evaluation.

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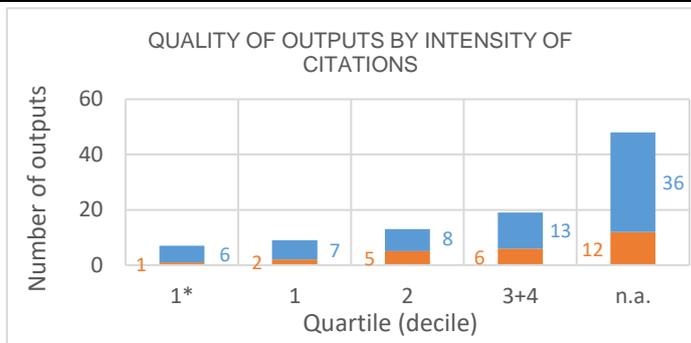
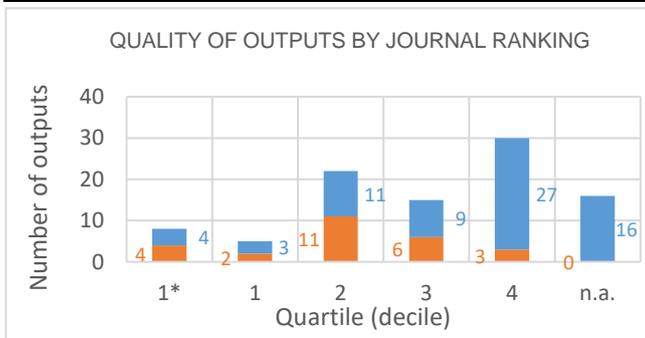
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Analytical Chemistry of the CAS, v. v. i.  
**Team:** Bioanalytical Instrumentation  
**Head:** Frantisek Foret  
**Field:** Chemical sciences  
**Total number of outputs:** 96      **Evaluated outputs:** 26



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	12
B	3	19
B1	10	6
C	3	12
C1	7	3
D		4
D1		
E		
n.a.		13
Without affiliation		1
A1+B1+C1+D1	20	21
B+C+D+E	6	35

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	19	33
Biochemical Research Methods	13	18
n.a.		13
Biochemistry Molecular Biology	1	6
Nanoscience Nanotechnology	4	3
Chemistry Multidisciplinary	2	4
Electrochemistry	1	4
Biophysics		3
Food Science Technology		3
Materials Science Multidisciplinary	1	2
Spectroscopy	1	2
Agriculture Multidisciplinary		2
Physiology		2
Toxicology	2	
Agronomy		1
Biotechnology Applied Microbiology		1
Cell Biology		1
Developmental Biology		1
Engineering Chemical		1
Environmental Sciences		1

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