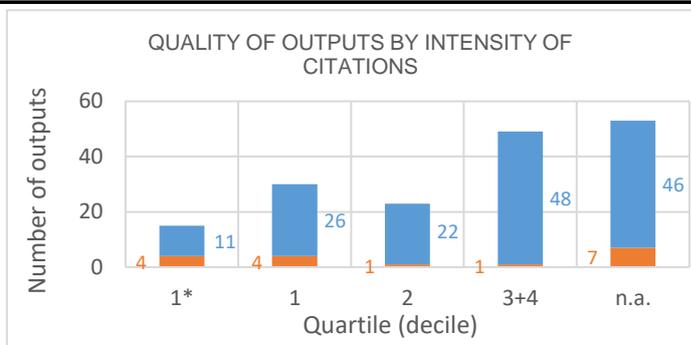
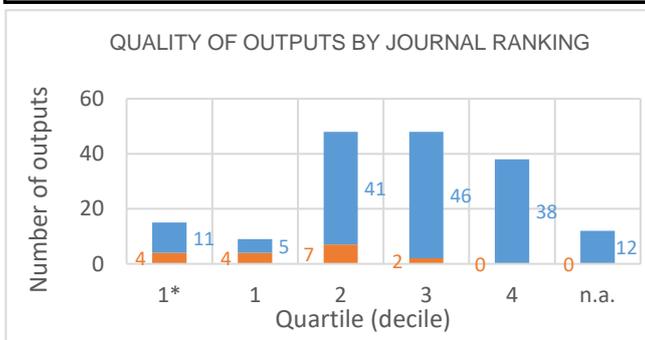


# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Fungal Genetics and Metabolism  
**Head:** Miroslav Kolařík  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 170      **Evaluated outputs:** 17



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		8
B	1	32
B1	2	42
C	4	18
C1	3	13
D	4	26
D1	3	8
E		
n.a.		3
Without affiliation		3
A1+B1+C1+D1	8	71
B+C+D+E	9	76

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mycology	8	32
Microbiology	2	33
Biotechnology Applied Microbiology		28
Plant Sciences	1	21
Biochemistry Molecular Biology	1	17
Ecology	4	7
Multidisciplinary Sciences	2	9
Evolutionary Biology	3	7
Marine Freshwater Biology		10
Nutrition Dietetics		8
Food Science Technology	1	6
Chemistry Analytical		6
Biochemical Research Methods		5
Environmental Sciences	1	4
Veterinary Sciences	1	4
Pharmacology Pharmacy	1	3
Fisheries		3
Immunology		3
n.a.		3
Agronomy		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.

**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.

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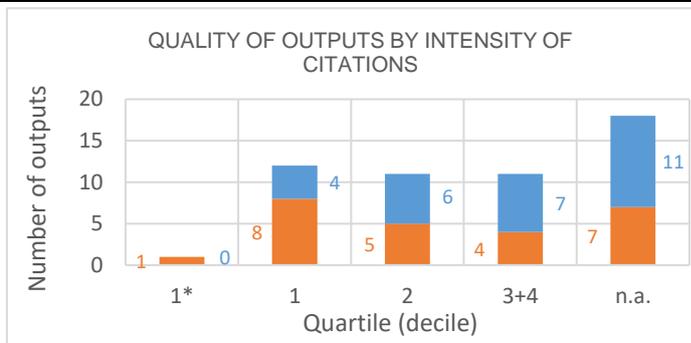
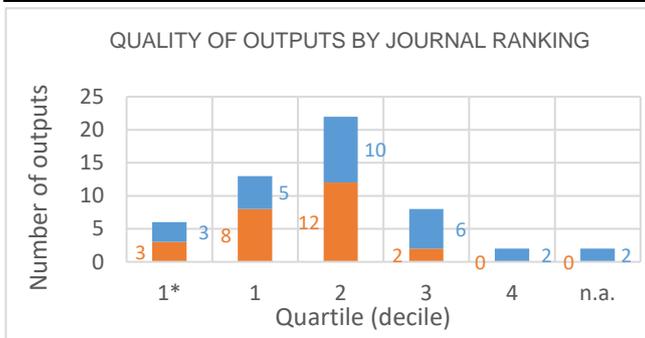
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Molecular Biology of Bacterial Pathogenes  
**Head:** Peter Šebo  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 53      **Evaluated outputs:** 25



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	5	
B		8
B1	10	3
C		4
C1	7	3
D		7
D1	3	2
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	25	8
B+C+D+E		19

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	3	10
Immunology	8	5
Microbiology	6	2
Biophysics	1	6
Infectious Diseases	4	2
Multidisciplinary Sciences	5	1
Toxicology	4	2
Cell Biology	4	1
Food Science Technology	4	1
Chemistry Physical	1	3
Polymer Science	1	2
Chemistry Multidisciplinary		2
Materials Science Biomaterials		2
Agriculture Dairy Animal Science		1
Allergy		1
Biochemical Research Methods		1
Biology	1	
Biotechnology Applied Microbiology		1
Electrochemistry		1
Fisheries		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.

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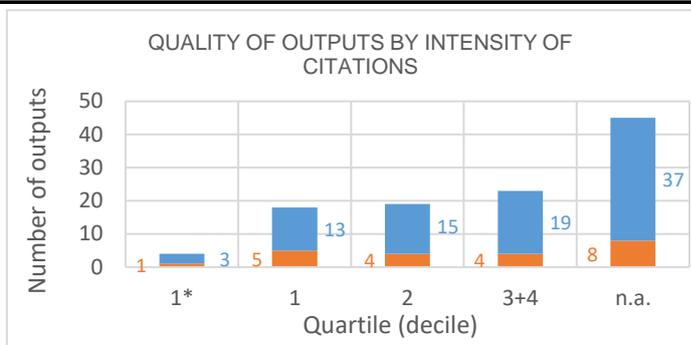
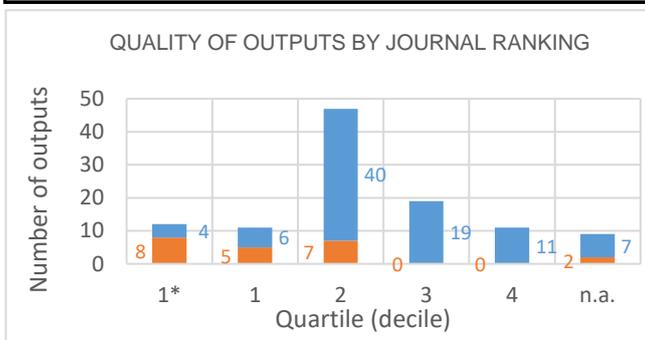
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Biotransformation  
**Head:** Vladimír Křen  
**Field:** Chemical sciences  
**Total number of outputs:** 109      **Evaluated outputs:** 22



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	6
B		17
B1	7	14
C	1	32
C1	6	7
D	1	7
D1	3	1
E		
n.a.	1	2
Without affiliation		1
A1+B1+C1+D1	19	28
B+C+D+E	2	56

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	3	34
Chemistry Multidisciplinary		21
Biotechnology Applied Microbiology	2	13
Chemistry Applied	8	6
Chemistry Organic	6	8
Food Science Technology	3	8
Chemistry Medicinal	3	8
Pharmacology Pharmacy	2	8
Chemistry Physical	1	5
Agriculture Multidisciplinary	2	2
Biochemical Research Methods		4
Biophysics		4
Plant Sciences	2	2
Endocrinology Metabolism	2	1
Environmental Sciences	2	1
n.a.	1	2
Nutrition Dietetics		3
Physiology		3
Cell Biology		2
Electrochemistry		2

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

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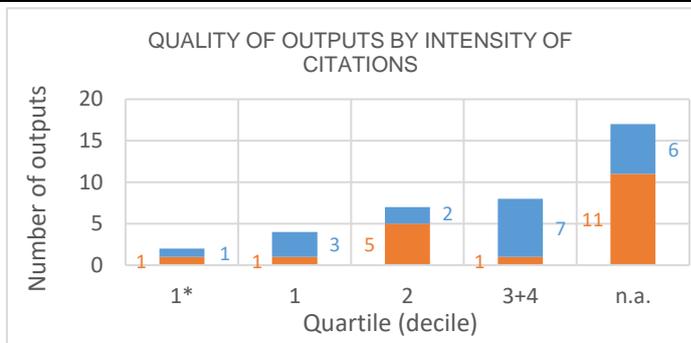
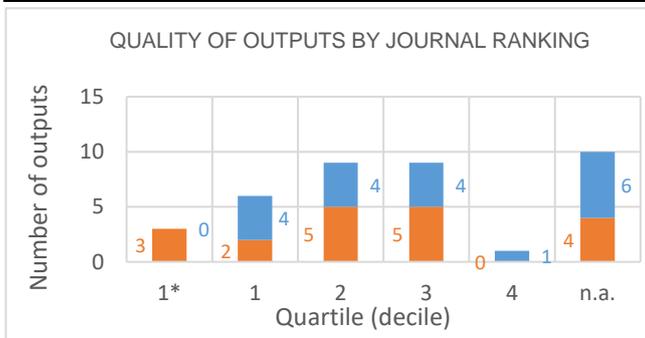
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Cell Reproduction  
**Head:** Jiří Hašek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 38      **Evaluated outputs:** 19



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B		4
B1	3	2
C	3	9
C1	2	1
D	1	1
D1	1	
E		1
n.a.	3	1
Without affiliation		
A1+B1+C1+D1	8	3
B+C+D+E	8	15

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Cell Biology	8	7
Biotechnology Applied Microbiology	3	3
Biochemistry Molecular Biology	3	2
Genetics Heredity	4	
Microbiology	2	2
n.a.	3	1
Multidisciplinary Sciences	1	2
Mycology	2	1
Biophysics		2
Instruments Instrumentation		2
Optics		2
Physics Applied		2
Plant Sciences	1	1
Biochemical Research Methods		1
Developmental Biology	1	
Electrochemistry		1
Environmental Sciences		1
Chemistry Analytical		1
Medicine General Internal		1
Nanoscience Nanotechnology		1

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

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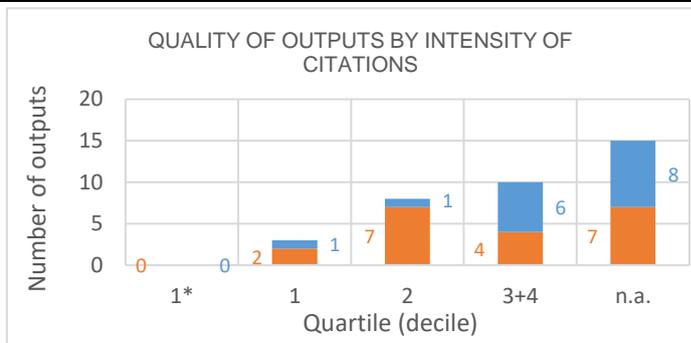
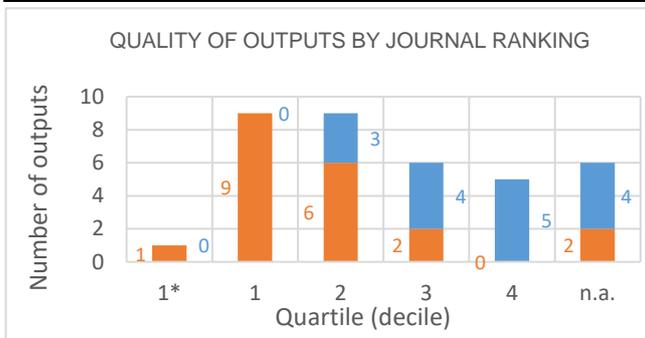
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory for Biology of Secondary Metabolism  
**Head:** Jiří Janata  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 36      **Evaluated outputs:** 20



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		7
B		2
B1	4	8
C	3	1
C1	1	3
D	1	1
D1		1
E		
n.a.	2	2
Without affiliation		
A1+B1+C1+D1	12	12
B+C+D+E	6	2

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Microbiology	5	10
Pharmacology Pharmacy	4	2
Biotechnology Applied Microbiology		5
Chemistry Medicinal	3	1
Multidisciplinary Sciences	3	1
n.a.	2	2
Biochemistry Molecular Biology	2	1
Plant Sciences	2	1
Environmental Sciences	2	
Chemistry Multidisciplinary	2	
Biochemical Research Methods		1
Chemistry Analytical		1
Chemistry Organic	1	
Chemistry Physical		1
Immunology		1
Infectious Diseases		1
Neurosciences	1	

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

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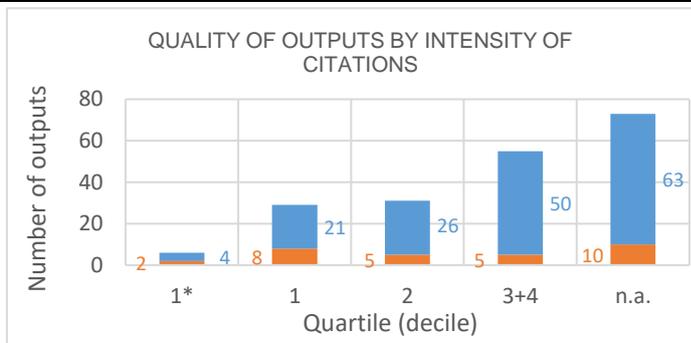
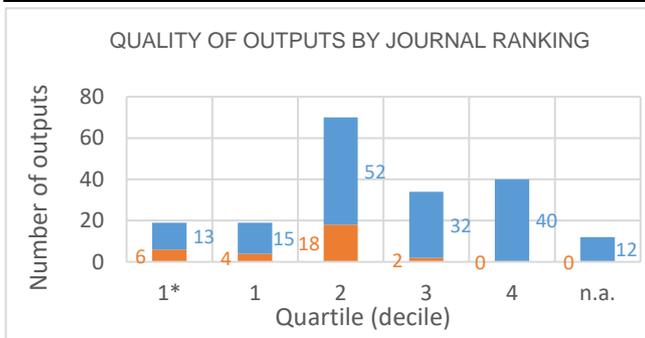
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Molecular Structure Characterization  
**Head:** Vladimír Halvíček  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 194      **Evaluated outputs:** 30



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	17
B	7	31
B1	2	42
C	3	22
C1	5	22
D	7	9
D1	4	17
E		
n.a.		2
Without affiliation	1	2
A1+B1+C1+D1	12	98
B+C+D+E	17	62

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	3	33
Microbiology	2	32
Biochemical Research Methods	9	18
Chemistry Analytical	11	15
Chemistry Multidisciplinary	1	20
Biotechnology Applied Microbiology		18
Chemistry Applied		13
Chemistry Organic	1	11
Chemistry Physical	1	11
Multidisciplinary Sciences	3	9
Spectroscopy	2	10
Food Science Technology		11
Chemistry Medicinal	1	8
Biophysics	1	7
Pharmacology Pharmacy		7
Cell Biology		6
Virology		6
Agriculture Multidisciplinary		5
Plant Sciences		5
Polymer Science	1	4

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

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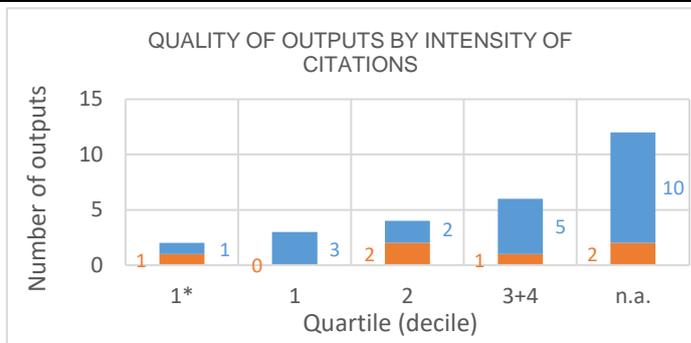
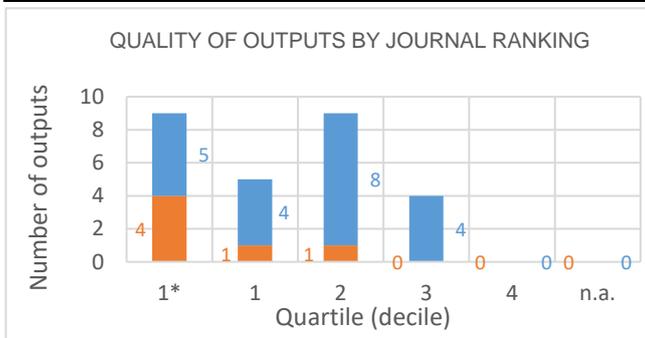
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Microbial Genetics and Gene Expression  
**Head:** Libor Krásný  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 27      **Evaluated outputs:** 6



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		
B		4
B1	4	9
C		2
C1		1
D	2	2
D1		3
E		
n.a.		
Without affiliation		
A1+B1+C1+D1	4	13
B+C+D+E	2	8

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	1	9
Microbiology	1	6
Chemistry Multidisciplinary	3	1
Biophysics		3
Cell Biology		2
Multidisciplinary Sciences	1	1
Mycology		2
Ecology		1
Evolutionary Biology		1
Chemistry Analytical		1
Chemistry Medicinal		1
Parasitology		1
Plant Sciences		1
Spectroscopy		1
Virology		1

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

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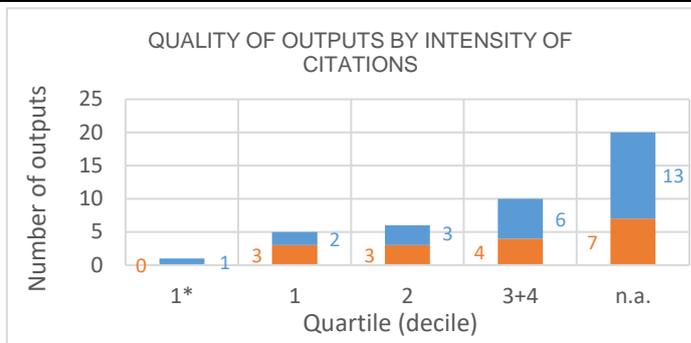
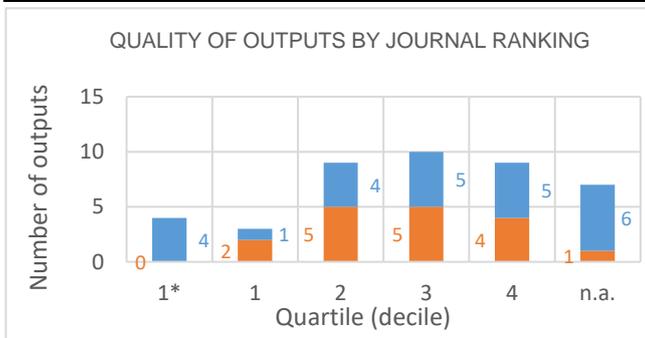
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Modulation of Gene Expression  
**Head:** Miroslav Pátek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 42      **Evaluated outputs:** 17



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	5	1
B		4
B1	2	7
C	4	5
C1	2	3
D	1	1
D1	2	2
E		
n.a.	1	2
Without affiliation		
A1+B1+C1+D1	11	13
B+C+D+E	5	10

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biotechnology Applied Microbiology	6	3
Microbiology	5	3
Mycology	1	7
Biochemistry Molecular Biology	4	3
Multidisciplinary Sciences		4
Nanoscience Nanotechnology	1	3
n.a.	1	2
Environmental Sciences		2
Chemistry Multidisciplinary	1	1
Biophysics	1	
Computer Science Interdisciplinary A	1	
Chemistry Applied	1	
Chemistry Physical		1
Materials Science Biomaterials		1
Materials Science Multidisciplinary	1	
Medicine Research Experimental		1
Oncology		1
Physics Condensed Matter	1	
Plant Sciences	1	
Polymer Science	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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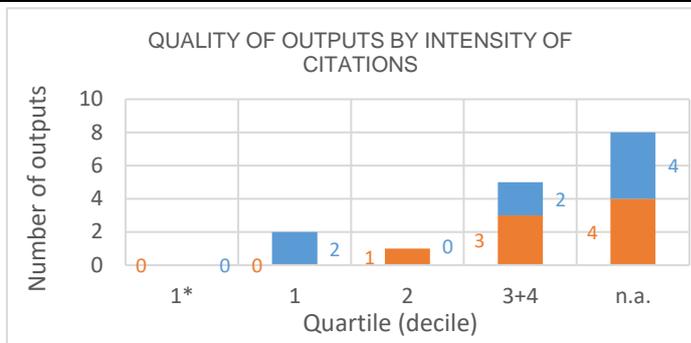
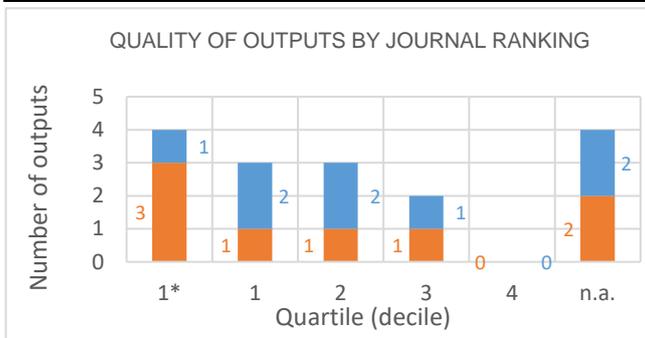
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Bioinformatics  
**Head:** Jiří Vohradský  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 16      **Evaluated outputs:** 8



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	1
B		1
B1	3	4
C		1
C1	1	
D		1
D1		
E		
n.a.	1	
Without affiliation		
A1+B1+C1+D1	7	5
B+C+D+E		3

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	3	3
Mathematical Computational Biology	3	1
Microbiology		3
Biochemical Research Methods	1	1
Computer Science Interdisciplinary A	1	1
Biology	1	
Biophysics	1	
Biotechnology Applied Microbiology	1	
Computer Science Information System		1
Genetics Heredity	1	
Medical Informatics		1
n.a.	1	
Statistics Probability	1	

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

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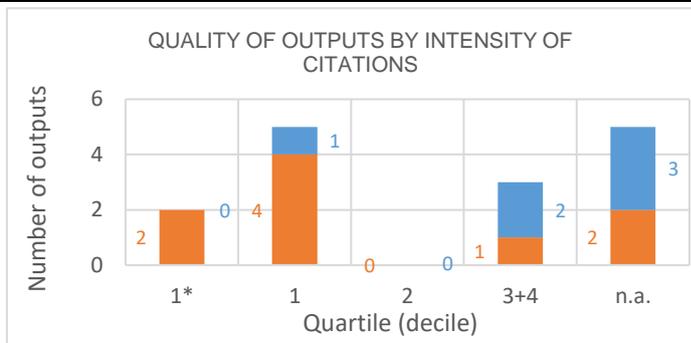
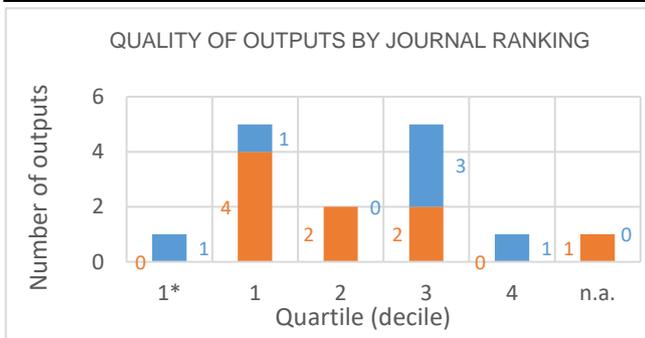
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Cell Signalling  
**Head:** Pavel Branny  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 15      **Evaluated outputs:** 9



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		1
B		1
B1		3
C		2
C1		2
D		1
D1		1
E		
n.a.	1	
Without affiliation		
A1+B1+C1+D1	4	5
B+C+D+E	4	1

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Microbiology	3	4
Biochemistry Molecular Biology	4	2
Cell Biology	3	1
Biophysics		1
Biotechnology Applied Microbiology		1
n.a.	1	
Oncology	1	
Plant Sciences	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.

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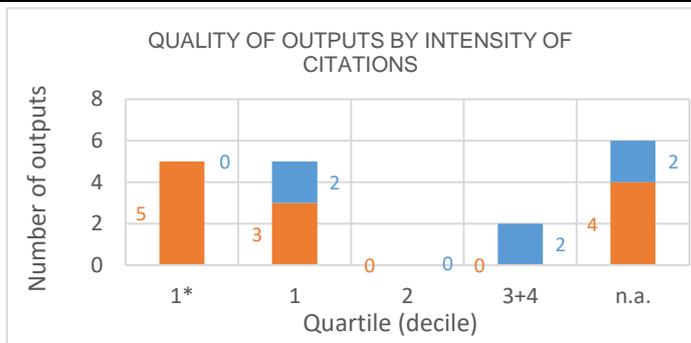
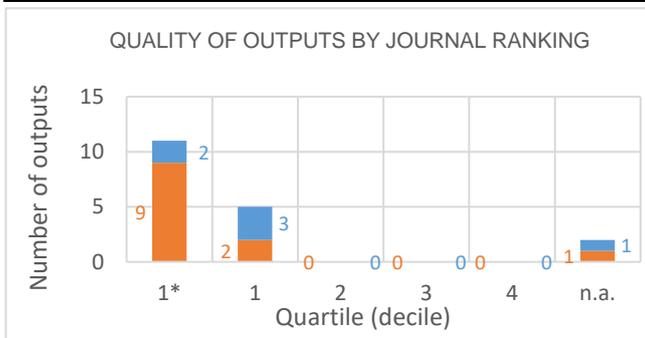
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Regulation of Gene Expression  
**Head:** Leoš Shivaya Valášek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 18      **Evaluated outputs:** 12



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	
B		
B1	1	2
C		1
C1	6	1
D	1	1
D1		
E		
n.a.	1	1
Without affiliation		
A1+B1+C1+D1	10	3
B+C+D+E	1	2

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	9	3
Biology	1	1
n.a.	1	1
Cell Biology	1	
Microbiology	1	
Plant Sciences		1

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

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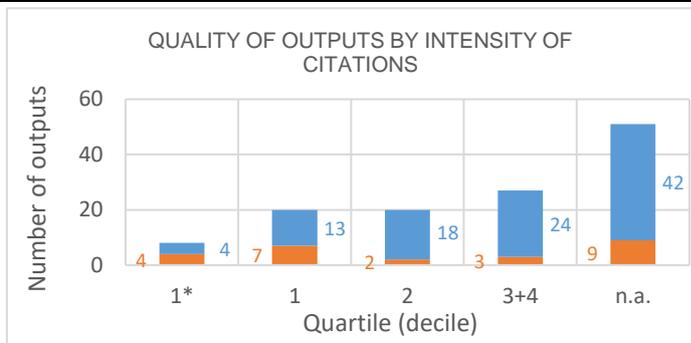
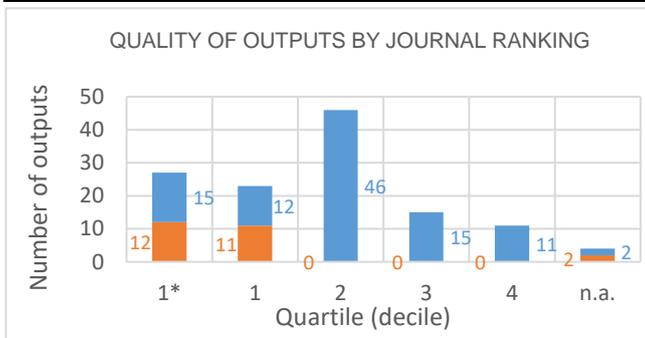
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Photosynthesis  
**Head:** Josef Komenda  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 126      **Evaluated outputs:** 25



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	2	6
B	1	11
B1	3	6
C	8	24
C1	9	26
D	1	21
D1		6
E		
n.a.	1	1
Without affiliation		
A1+B1+C1+D1	14	44
B+C+D+E	10	56

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Plant Sciences	11	39
Biochemistry Molecular Biology	10	16
Microbiology	1	16
Biophysics	5	8
Marine Freshwater Biology		13
Biotechnology Applied Microbiology		9
Multidisciplinary Sciences	1	7
Biology	2	5
Cell Biology	3	4
Environmental Sciences		6
Chemistry Physical	1	3
Immunology		4
Genetics Heredity		3
Oceanography		3
Biochemical Research Methods		2
Engineering Environmental		2
Materials Science Multidisciplinary	1	1
Physics Atomic Molecular Chemical	1	1
Computer Science Information System		1
Engineering Biomedical		1

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

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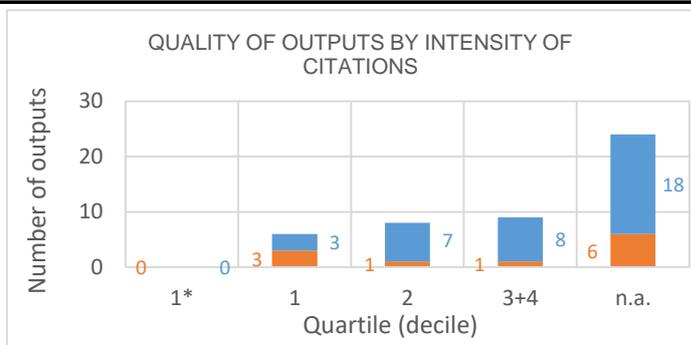
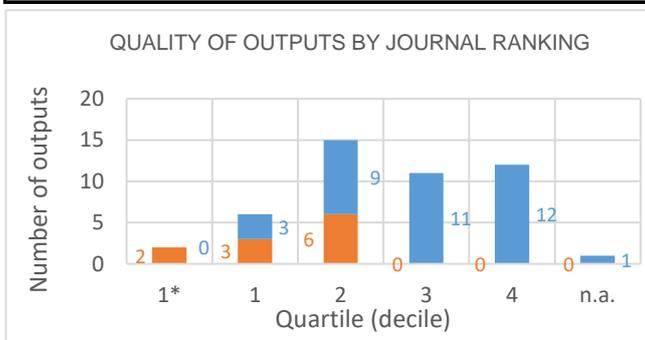
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Algal Biotechnology  
**Head:** Pavel Hrouzek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 47      **Evaluated outputs:** 11



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		1
B		9
B1	2	9
C	2	5
C1	2	7
D	1	1
D1	3	3
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	7	20
B+C+D+E	4	15

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biotechnology Applied Microbiology	3	7
Biochemistry Molecular Biology	1	6
Chemistry Multidisciplinary	2	4
Microbiology	1	5
Plant Sciences		6
Chemistry Analytical	2	3
Biochemical Research Methods	2	2
Food Science Technology	1	3
Chemistry Applied	1	3
Chemistry Medicinal	1	3
Marine Freshwater Biology	1	3
Toxicology	1	3
Pharmacology Pharmacy		3
Multidisciplinary Sciences		2
Polymer Science		2
Agriculture Multidisciplinary		1
Environmental Sciences		1
Chemistry Organic	1	
Mycology		1
n.a.		1

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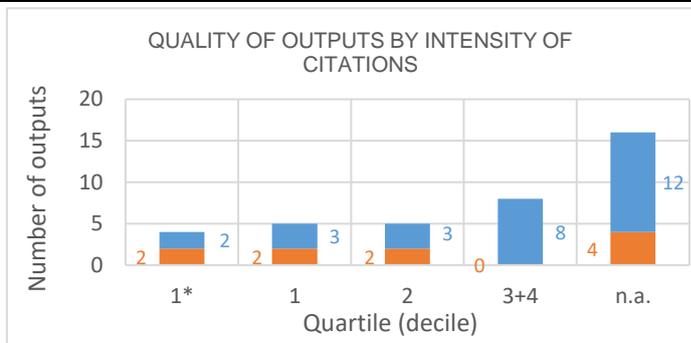
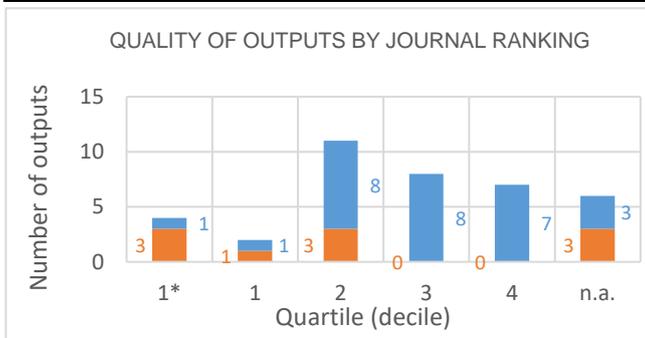
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## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Cell Cycles of Algae  
**Head:** Kateřina Bišová  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 38      **Evaluated outputs:** 10



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	1
B		4
B1	3	10
C		5
C1	4	1
D		3
D1		3
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	10	15
B+C+D+E		12

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biotechnology Applied Microbiology	4	11
Biochemistry Molecular Biology		8
Plant Sciences	3	4
Marine Freshwater Biology	1	4
Microbiology	1	3
Cell Biology	2	1
Energy Fuels		3
Multidisciplinary Sciences		3
Nutrition Dietetics		3
Biochemical Research Methods		2
Chemistry Multidisciplinary		2
Agricultural Engineering		1
Biophysics		1
Computer Science Interdisciplinary A		1
Electrochemistry		1
Food Science Technology		1
Chemistry Analytical		1
Chemistry Physical		1
Medicine Research Experimental		1
n.a.		1

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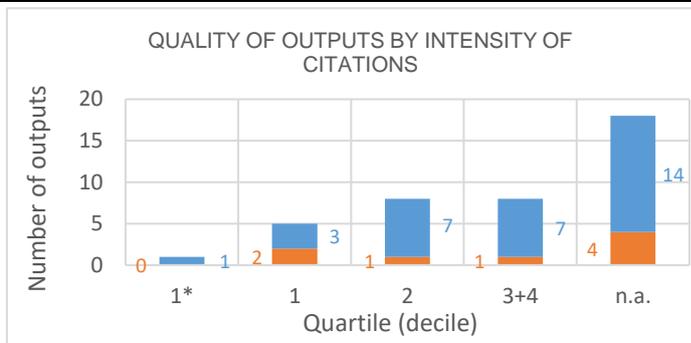
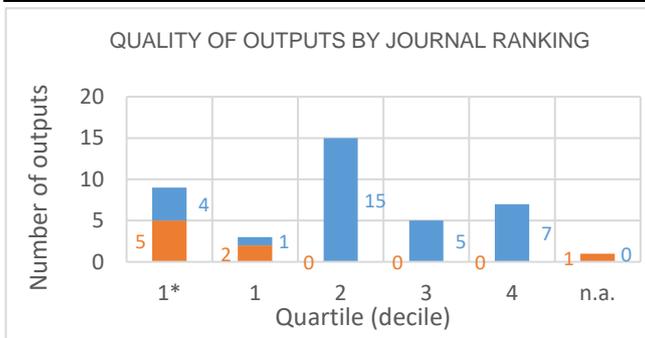
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## BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Anoxygenic Phototrophs  
**Head:** Michal Koblížek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 40      **Evaluated outputs:** 8



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	2
B		3
B1	2	4
C	1	7
C1	3	8
D		6
D1		2
E		
n.a.	1	
Without affiliation		
A1+B1+C1+D1	6	16
B+C+D+E	1	16

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Microbiology	5	14
Biotechnology Applied Microbiology		6
Environmental Sciences		6
Ecology	2	3
Marine Freshwater Biology		5
Plant Sciences		5
Biochemistry Molecular Biology	1	3
Evolutionary Biology		2
Genetics Heredity		2
Multidisciplinary Sciences		2
Oceanography	1	1
Biology	1	
Biophysics		1
Geography Physical		1
Geosciences Multidisciplinary		1
Limnology	1	
n.a.	1	
Soil Science		1
Spectroscopy		1
Toxicology		1

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

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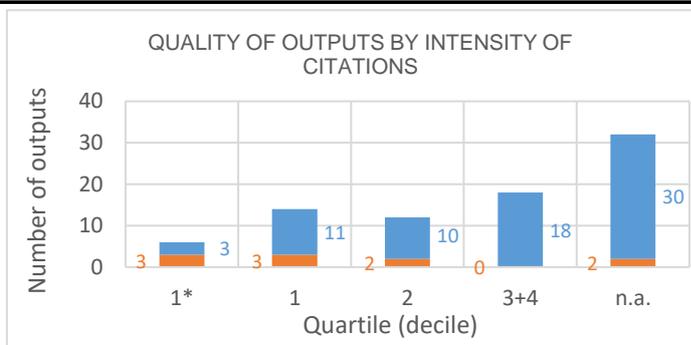
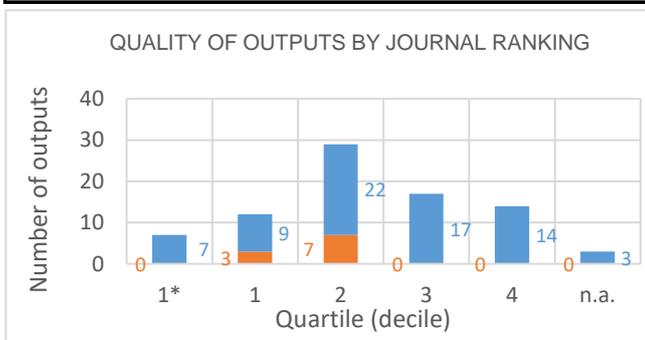
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Environmental Biotechnology  
**Head:** Tomáš Cajthaml  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 82      **Evaluated outputs:** 10



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B		23
B1	6	20
C	1	14
C1	3	2
D		9
D1		
E		
n.a.		1
Without affiliation		1
A1+B1+C1+D1	9	24
B+C+D+E	1	46

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Environmental Sciences	8	21
Microbiology	1	15
Biotechnology Applied Microbiology	1	12
Soil Science		11
Ecology		10
Engineering Environmental	2	5
Pharmacology Pharmacy		5
Toxicology		5
Chemistry Multidisciplinary		4
Biochemical Research Methods	1	2
Marine Freshwater Biology		3
Mycology		3
Water Resources		3
Endocrinology Metabolism		2
Chemistry Analytical		2
Multidisciplinary Sciences		2
Neurosciences		2
Plant Sciences		2
Biodiversity Conservation		1
Biochemistry Molecular Biology		1

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

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

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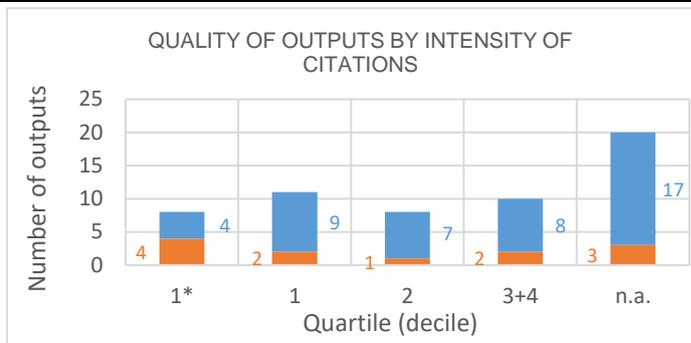
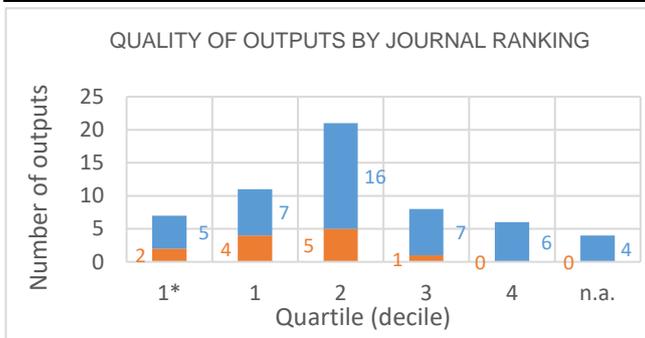
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Fungal Biology  
**Head:** Jan Jansa  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 57      **Evaluated outputs:** 12



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	4
B	2	12
B1	4	11
C	1	7
C1	3	1
D		7
D1	1	
E		
n.a.		2
Without affiliation		1
A1+B1+C1+D1	9	16
B+C+D+E	3	26

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Mycology	2	12
Ecology	2	10
Soil Science	4	7
Plant Sciences	6	3
Microbiology	1	7
Environmental Sciences	1	3
Agriculture Multidisciplinary	1	2
Evolutionary Biology		3
Multidisciplinary Sciences		3
Agronomy	2	
Biochemistry Molecular Biology		2
Biotechnology Applied Microbiology		2
n.a.		2
Zoology		2
Biology		1
Entomology		1
Chemistry Multidisciplinary		1
Marine Freshwater Biology		1

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

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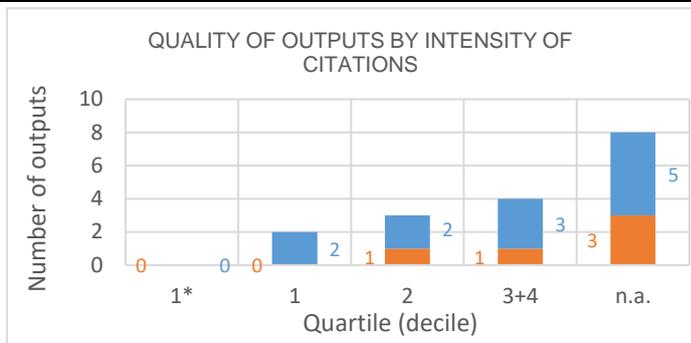
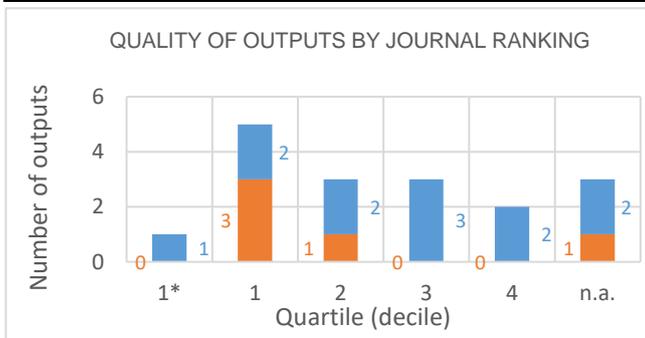
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory Post-Transcriptional Control of Gene Expression  
**Head:** Branislav Večerek  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 17      **Evaluated outputs:** 5



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		
B		
B1	1	5
C	1	5
C1	1	
D		1
D1		1
E		
n.a.	1	
Without affiliation	1	
A1+B1+C1+D1	2	6
B+C+D+E	1	6

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	4	1
Biotechnology Applied Microbiology		4
Microbiology		4
Infectious Diseases		3
Biochemical Research Methods		1
Environmental Sciences		1
Immunology		1
Multidisciplinary Sciences		1
n.a.	1	
Pharmacology Pharmacy		1
Virology		1

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

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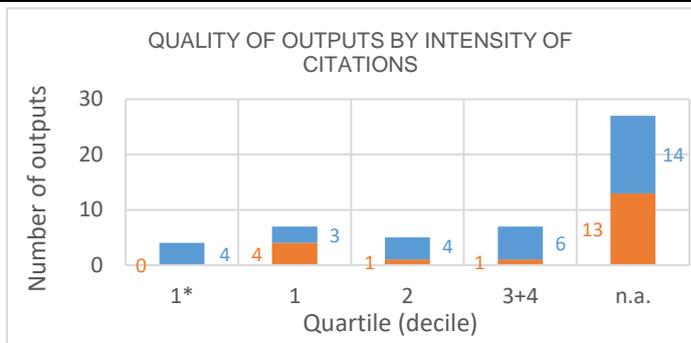
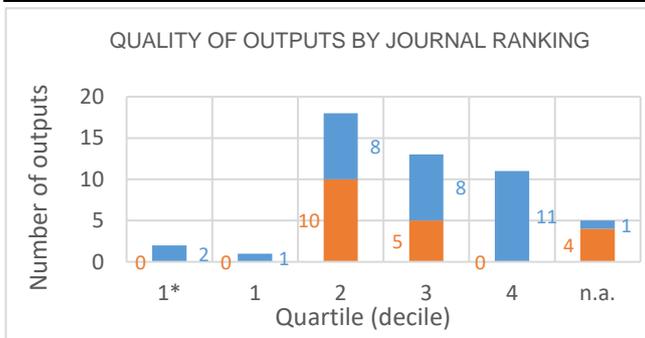
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Cellular and Molecular Immunology  
**Head:** Martin Bilej  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 50      **Evaluated outputs:** 19



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	3	2
B		10
B1	9	5
C		4
C1	1	4
D		6
D1	4	
E		
n.a.	2	
Without affiliation		
A1+B1+C1+D1	17	11
B+C+D+E		20

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Immunology	8	8
Microbiology	5	
Pharmacology Pharmacy		4
Physiology		4
Zoology	2	2
Gastroenterology Hepatology	1	2
Multidisciplinary Sciences	1	2
Toxicology	1	2
Biochemistry Molecular Biology		2
Cell Biology	1	1
Endocrinology Metabolism		2
Environmental Sciences	2	
Fisheries	2	
n.a.	2	
Urology Nephrology		2
Allergy		1
Biotechnology Applied Microbiology		1
Evolutionary Biology		1
Genetics Heredity		1
Chemistry Multidisciplinary		1

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

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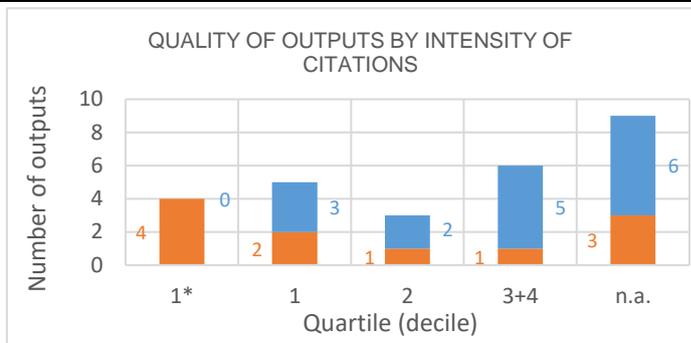
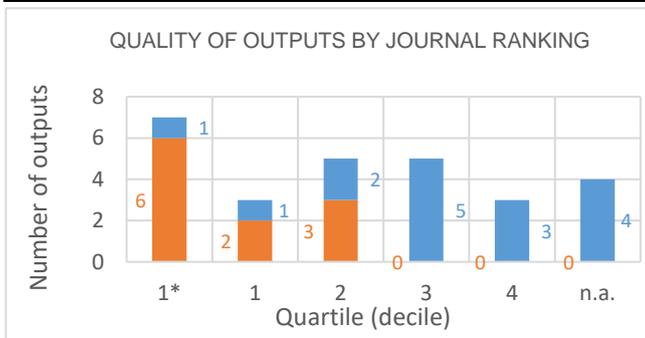
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Tumor Immunology  
**Head:** Marek Kovář  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 27      **Evaluated outputs:** 11



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	
B	4	9
B1	3	2
C	1	
C1		1
D	2	
D1		1
E		
n.a.		3
Without affiliation		
A1+B1+C1+D1	4	4
B+C+D+E	7	9

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Pharmacology Pharmacy	5	3
Immunology	5	2
Chemistry Multidisciplinary	4	2
Materials Science Biomaterials	1	2
n.a.		3
Oncology	3	
Cell Biology		2
Nanoscience Nanotechnology		2
Physiology		2
Polymer Science		2
Biochemistry Molecular Biology		1
Engineering Biomedical	1	
Infectious Diseases		1
Materials Science Multidisciplinary		1
Medicine Research Experimental	1	
Microscopy		1

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

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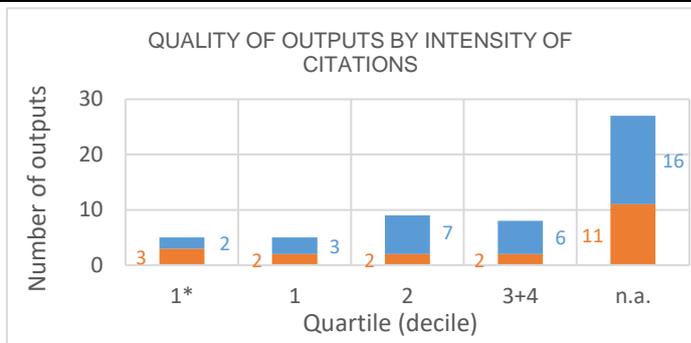
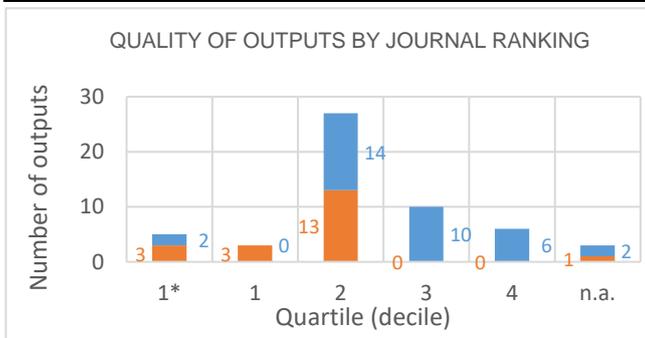
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Gnotobiology  
**Head:** Marek Šinkora  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 54      **Evaluated outputs:** 20



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	4	1
B	2	6
B1		5
C	3	10
C1	7	3
D	1	5
D1	2	3
E		
n.a.	1	1
Without affiliation		
A1+B1+C1+D1	13	12
B+C+D+E	6	21

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Immunology	11	7
Microbiology	1	9
Multidisciplinary Sciences	1	6
Zoology	6	1
Fisheries	5	
Biotechnology Applied Microbiology	2	2
Endocrinology Metabolism	2	2
Biochemistry Molecular Biology	1	2
Cell Biology	2	
Food Science Technology	1	1
Gastroenterology Hepatology		2
n.a.	1	1
Nutrition Dietetics	1	1
Pharmacology Pharmacy		2
Toxicology	1	1
Veterinary Sciences	1	1
Agriculture Dairy Animal Science	1	
Allergy		1
Evolutionary Biology		1
Genetics Heredity		1

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

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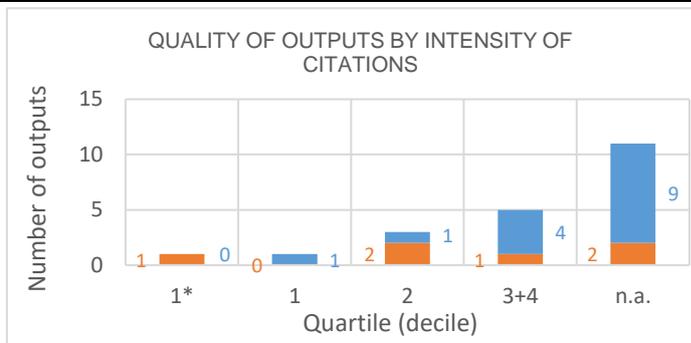
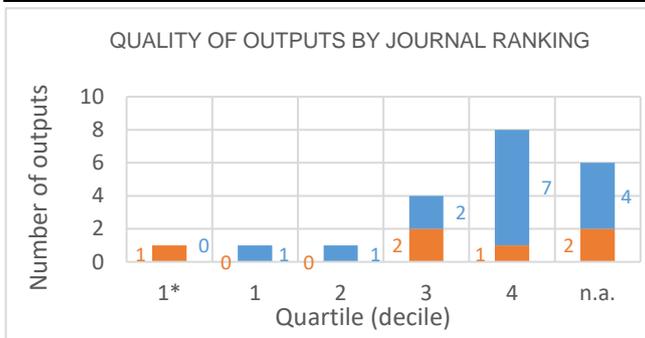
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Immunotherapy  
**Head:** Luca Vannucci  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 21      **Evaluated outputs:** 6



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		1
B		1
B1	2	1
C	2	4
C1		2
D	1	4
D1		
E		
n.a.	1	1
Without affiliation		1
A1+B1+C1+D1	2	4
B+C+D+E	3	9

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Oncology	1	5
Medicine Research Experimental	1	2
Chemistry Multidisciplinary	1	1
Immunology		2
n.a.	1	1
Nanoscience Nanotechnology	1	1
Agriculture Multidisciplinary		1
Biochemistry Molecular Biology		1
Engineering Electrical Electronic		1
Food Science Technology		1
Chemistry Applied		1
Chemistry Medicinal		1
Materials Science Biomaterials	1	
Materials Science Multidisciplinary		1
Neurosciences		1
Pharmacology Pharmacy	1	
Physics Applied		1
Physiology		1
Telecommunications		1
Toxicology	1	

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

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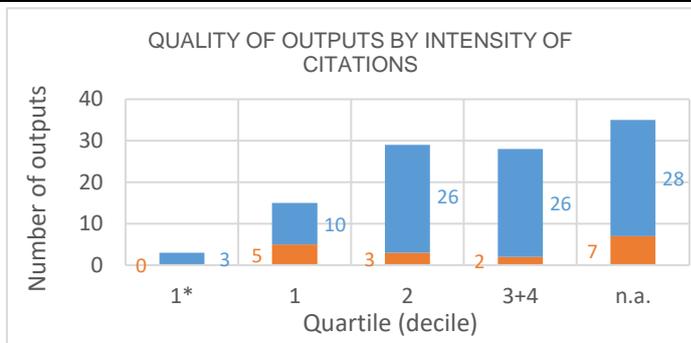
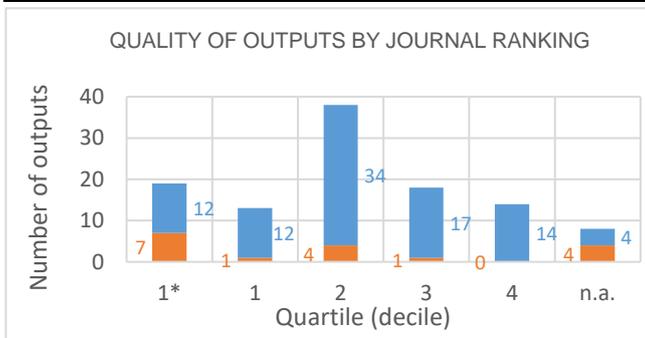
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# Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

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

**Institute:** Institute of Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Structural Biology and Cell Signalization  
**Head:** Petr Novák  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 110      **Evaluated outputs:** 17



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B	1	25
B1	6	18
C	1	15
C1	3	11
D	4	15
D1	2	5
E		
n.a.		1
Without affiliation		1
A1+B1+C1+D1	11	36
B+C+D+E	6	55

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	6	31
Biochemical Research Methods	4	11
Multidisciplinary Sciences		14
Biophysics	2	9
Cell Biology	3	8
Biotechnology Applied Microbiology		9
Chemistry Analytical	3	3
Chemistry Multidisciplinary	1	5
Oncology	1	4
Parasitology	1	4
Tropical Medicine	1	4
Plant Sciences		4
Chemistry Applied		3
Chemistry Medicinal		3
Microbiology		3
Biology		2
Entomology		2
Environmental Sciences		2
Food Science Technology		2
Hematology		2

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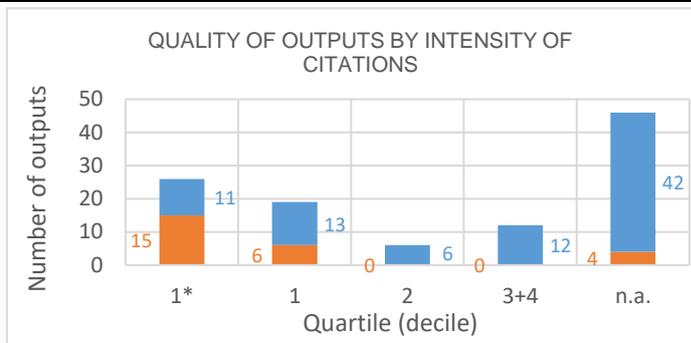
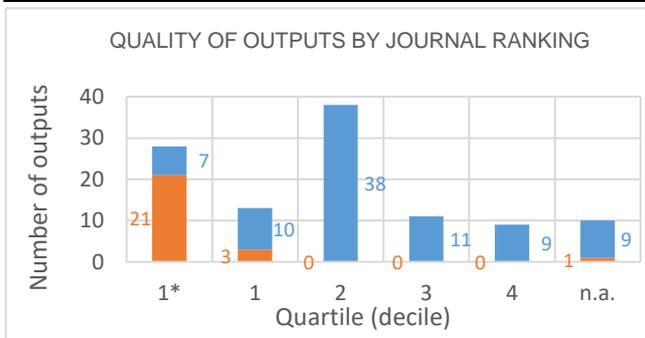
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

**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 Microbiology of the CAS, v. v. i.  
**Team:** Laboratory of Environmental Microbiology  
**Head:** Petr Baldrian  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 109      **Evaluated outputs:** 25



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	9	13
B		8
B1	1	11
C	5	21
C1	3	8
D	3	15
D1	3	1
E		
n.a.	1	5
Without affiliation		2
A1+B1+C1+D1	16	33
B+C+D+E	8	44

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Microbiology	9	26
Ecology	6	16
Biotechnology Applied Microbiology	2	14
Soil Science	7	9
Environmental Sciences	2	12
Mycology		13
Multidisciplinary Sciences	2	8
n.a.	1	5
Biochemical Research Methods		5
Plant Sciences	2	3
Biochemistry Molecular Biology	1	2
Evolutionary Biology	1	2
Geosciences Multidisciplinary		3
Marine Freshwater Biology		3
Biodiversity Conservation	1	1
Energy Fuels	1	1
Engineering Environmental		2
Water Resources		2
Agricultural Engineering		1
Agronomy		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.

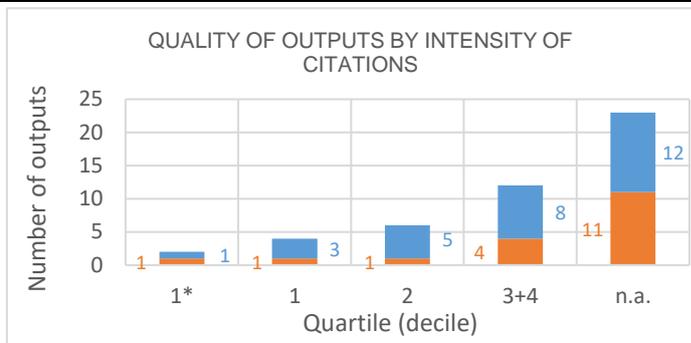
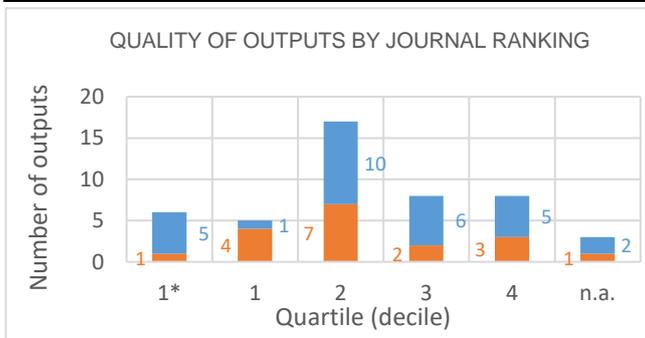
**Field structure of outputs:** number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.

**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 Microbiology of the CAS, v. v. i.  
**Team:** Center for Nanobiology and Structural Biology  
**Head:** Babak Minofar  
**Field:** Biochemistry and molecular cell biology, biophysics, virology, ...  
**Total number of outputs:** 47      **Evaluated outputs:** 18



### TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		
B	1	3
B1	1	5
C	1	5
C1	6	2
D	2	7
D1	6	5
E		
n.a.	1	1
Without affiliation		1
A1+B1+C1+D1	13	12
B+C+D+E	4	15

### FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Biochemistry Molecular Biology	9	13
Chemistry Physical	5	6
Biophysics	3	7
Cell Biology	5	2
Chemistry Multidisciplinary		6
Crystallography	3	1
Biochemical Research Methods	2	1
Materials Science Multidisciplinary	2	1
Multidisciplinary Sciences	1	2
Physics Atomic Molecular Chemical	2	1
Biotechnology Applied Microbiology		2
Computer Science Interdisciplinary A		2
n.a.	1	1
Nanoscience Nanotechnology	1	1
Spectroscopy		2
Developmental Biology	1	
Fisheries		1
Genetics Heredity	1	
Chemistry Analytical		1
Mathematical Computational Biology		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.

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