

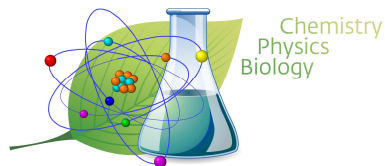
## **VII International Natural Sciences Tournament Extramural Round Results**

June 10, 2016

### **General Information about the Teams applied in the first wave of extramural round, INST 2016 (April 12 - May 31, 2016)**

<b>Team</b>	<b>Country</b>	<b>University</b>	<b>Captain's name</b>	<b>Number of participants</b>
Catalyst	Indonesia	University of Indonesia	Maghdalena Maria	3
Nusantara	Indonesia	University of Indonesia	Kristiano Jason	3
Garuda	Indonesia	University of Indonesia	Diah Retno Yuniarni	5
Garuda Nusantara	Indonesia	Sepuluh Nopember Institute of Technology	Tunjung Rahmawati	3
UON KENYA	Kenya	University of Nairobi	Henry Gandhi	4
KiasuNUSPS	Singapore	National University of Singapore (NUS)	Tan Jin Hui (Max)	4
Zenith	Spain	University of Salamanca	Krystel Araneda	4

Please, see the Detailed Grades and An Approach to the Extramural Round Grading System at VII International Natural Sciences Tournament for details and references.



### Total Ratings after Extramural Round

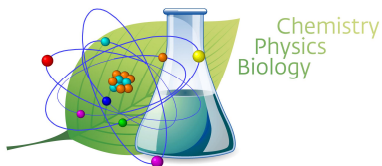
Team	Total, pt.	Rank	Status for intramural round
KiasuNUSPS	6,266	1	Accepted
Zenith	5,739	2	Accepted
Garuda	4,861	3	Accepted
UON KENYA	4,825	4	Accepted
Nusantara	4,773	5	Accepted
Catalyst	4,398	6	Accepted
Garuda Nusantara	4,139	7	Accepted

#### Grading Criterion numbers:

Below the detailed grades for each team are presented. There is no particular order of presenting the grades. The following numbers refer to:

- #1 - solution elaboration, scientific approach;
- #2 - solution originality (new and novel ideas, improvement of existing schemes, their presence and quality factor);
- #3 - literature review (analysis of original sources [books, articles, patents, dissertations, etc.], its completeness and authenticity);
- #4 - accuracy of task model (compliance to task conditions, indication of solution limitations);
- #5 - figures, schemes, formulas, reactions;
- #6 - logic and statement consistency;
- #7 - list of sources / references.

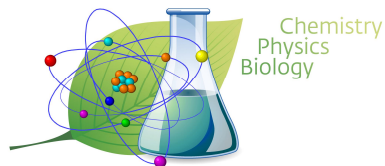
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### **Extramural Round Experts**

Mr. Denis Baigozin	Chief product developer, Aquaphor corp.; Teacher for additional education, Chemical Center of Lyceum #239, Saint-Petersburg
Dr. Anna Gubal	PhD in chemistry, Saint Petersburg State University
Dr. Andrey Merescshenko	PhD in photochemistry (Bowling Green University, USA) Saint Petersburg State University
Dr. Irina Timofeeva	PhD in chemistry, Saint Petersburg State University
Dr. Alexander Byeda	PhD in chemistry, Taras Shevchenko National University of Kyiv
Dr. Olga Milyaeva	PhD in chemistry, Saint Petersburg State University

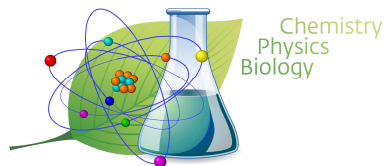
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**Indonesia/Catalyst/ Ranking after Extramural Round: 6**

Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	3	1	1	2	2	2	2	13	0,65	1,591836735	1,363485935	4,398
	Dr. Gubal	1	0	1	2	1	1	1	7	0,35	1,135135135		
2	Dr. Merescshenko	4	2	3	4	2	3	2	20	1	1,846153846	1,923076923	
	Dr. Timofeeva	3	1	3	3	2	3	2	17	0,85	2		
3	Dr. Byeda	2	1	1	2	2	2	0	10	0,5	1,134020619	1,110966353	
	Dr. Milyaeva	2	1	1	2	1	0	2	9	0,45	1,087912088		

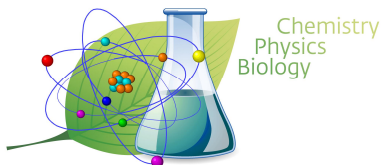
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**Indonesia/Garuda/ Ranking after Extramural Round: 3**

Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	3	2	1	3	2	2	2	15	0,75	1,836734694	1,89134032	4,861
	Dr. Gubal	2	2	2	2	1	2	1	12	0,6	1,945945946		
2	Dr. Merescshenko	4	2	3	4	2	3	2	20	1	1,846153846	1,393665158	
	Dr. Timofeeva	2	0	2	1	1	1	1	8	0,4	0,941176471		
3	Dr. Byeda	2	2	2	3	2	3	1	15	0,75	1,701030928	1,575790189	
	Dr. Milyaeva	2	2	1	3	2	1	1	12	0,6	1,450549451		

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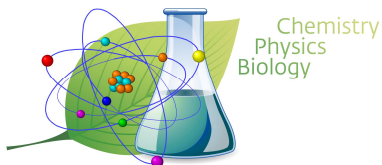


**Singapore / KiasuNUSPS/ Ranking after Extramural Round: 1**

Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	3	2	3	3	1	2	2	16	0,8	1,959183673	2,114726972	6,266
	Dr. Gubal	2	2	2	2	1	3	2	14	0,7	2,27027027		
2	Dr. Merescshenko	4	2	3	4	2	3	2	20	1	1,846153846	2,099547511	
	Dr. Timofeeva	4	2	3	4	2	3	2	20	1	2,352941176		
3	Dr. Byeda	3	2	2	4	2	2	2	17	0,85	1,927835052	2,051829614	
	Dr. Milyaeva	4	2	2	3	2	3	2	18	0,9	2,175824176		

**Indonesia / Garuda Nusantara/ Ranking after Extramural Round: 7**

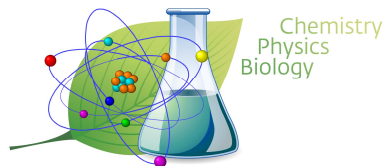
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Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	3	1	2	2	2	2	2	14	0,7	1,714285714	1,586872587	4,139
	Dr. Gubal	2	1	1	1	1	1	2	9	0,45	1,459459459		
2	Dr. Merescshenko	4	2	3	4	2	3	2	20	1	1,846153846	1,334841629	
	Dr. Timofeeva	2	0	2	0	1	1	1	7	0,35	0,823529412		
3	Dr. Byeda	3	1	2	2	1	3	2	14	0,7	1,587628866	1,216891356	
	Dr. Milyaeva	1	1	0	2	1	2	0	7	0,35	0,846153846		

**Kenia / UON KENIA/Ranking after Extramural Round: 4**

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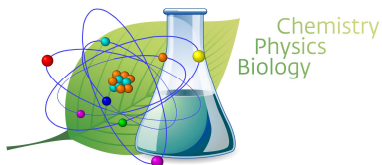


Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3	2				
1	Mr. Baigozin	3	1	1	2	1	2	2	12	0,6	1,469387755	1,302261445	4,825
	Dr. Gubal	1	1	1	1	0	2	1	7	0,35	1,135135135		
2	Dr. Merescshenko	4	2	3	4	2	3	0	18	0,9	1,661538462	1,713122172	
	Dr. Timofeeva	4	2	1	3	2	3	0	15	0,75	1,764705882		
3	Dr. Byeda	4	1	2	3	2	3	2	17	0,85	1,927835052	1,810071372	
	Dr. Milyaeva	4	1	1	4	0	3	1	14	0,7	1,692307692		

### Spain / Zenith/Ranking after Extramural Round: 2

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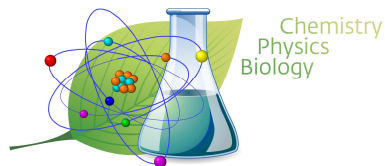




Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	2	1	2	1	2	2	2	12	0,6	1,469387755	1,950910094	5,739
	Dr. Gubal	3	2	2	2	1	3	2	15	0,75	2,432432432		
2	Dr. Merescshenko	2	2	2	4	2	3	2	17	0,85	1,569230769	1,902262443	
	Dr. Timofeeva	4	2	3	3	2	3	2	19	0,95	2,235294118		
3	Dr. Byeda	2	0	3	1	2	3	2	13	0,65	1,474226804	1,88546505	
	Dr. Milyaeva	3	2	3	4	2	3	2	19	0,95	2,296703297		

### Indonesia /Nusantara/Ranking after Extramural Round: 5

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Task No.	Grading criterion #	1	2	3	4	5	6	7	Total	Normalized to Possible Max	Normalized to Expert Average	Task Average	Task Total
		Possible Max, pt.	4	2	3	4	2	3					
1	Mr. Baigozin	3	2	2	3	2	2	2	16	0,8	1,959183673	1,790402648	4,773
	Dr. Gubal	2	2	1	1	1	2	1	10	0,5	1,621621622		
2	Dr. Merescshenko	2	2	2	4	2	3	0	15	0,75	1,384615385	1,633484163	
	Dr. Timofeeva	3	2	2	4	2	3	0	16	0,8	1,882352941		
3	Dr. Byeda	4	0	0	2	2	3	0	11	0,55	1,24742268	1,348986065	
	Dr. Milyaeva	4	1	2	2	1	2	0	12	0,6	1,450549451		

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