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70 Years of explosives and chemical safety publications from the Institute of Industrial Organic Chemistry
70 lat dorobku wydawniczego Instytutu Przemysłu Organicznego w zakresie materiałów wybuchowych i bezpieczeństwa chemicznego

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Abstract: *The study is a review of the publications of the Institute of Industrial Organic Chemistry (IPO) on explosives and chemical safety. The various designs of the IPO journals are presented, including general bibliographical data (circulation, number of pages, number of articles – including publications on explosives and chemical safety). The members of the editorial and scientific boards of the journals published from 1956 to the present day, are presented.*

Streszczenie: *Celem pracy było zaprezentowanie dorobku wydawniczego Instytutu Przemysłu Organicznego (IPO) w zakresie materiałów wybuchowych i bezpieczeństwa chemicznego. Przedstawiono różnorodność szaty graficznej czasopism IPO oraz scharakteryzowano ich podstawowe dane bibliograficzne (nakład, liczba stron, liczba artykułów – w tym poświęconych materiałom wybuchowym i bezpieczeństwu chemicznemu). Zestawiono składy osobowe zespołów redakcyjnych i Komitetów Naukowych czasopism wydawanych od roku 1956 do chwili obecnej.*

Keywords: *explosives, chemical safety, Institute of Industrial Organic Chemistry, publications*
Słowa kluczowe: *materiały wybuchowe, bezpieczeństwo chemiczne, Instytut Przemysłu Organicznego, wydawnictwa*

1. Foreword

The anniversary of the Institute of Industrial Organic Chemistry (IPO) is a perfect opportunity to highlight and celebrate the achievements of the Institute which, for many decades, as a civil institute dealt with typically military applications, including research on explosives for military use. The research of the Intitute's 'S' Department has been published mainly in journals which were not available to the general public ("for internal use only"). Articles published in these journals, apart from a few exceptions, *e.g.* [1], include information on the composition of materials used in mining in the 1950s in Poland, were not used in later publications. Promoting the extensive scientific achievements of the Institute would further improve the scientific involvement of current and future employees. It would also be a way of thanking the many generations of largely unacknowledged

employees who greatly contributed to the potential of the Institute. Can anyone still remember people shown in Figure 1? One of them, Marianna Parulska-Szmajda, BEng, PhD, Assoc. Prof. for20 to 30 years set the tone of Polish technological thought in the field of solid rocket propellants.

Figure 1. IPO employees (IPO archives, edited by Z. Starnawski)

A monograph [2] discusses the publishing history of the IPO. However, due to limited publishing capabilities, it does not include information on the members of the editorial boards, both factual and technical. Artwork is a key component of the publication (layout and making the publication ready for printing, including illustrations and photos). The Publishing Studio of the Scientific and Technical Information and Documentation Section (Department) was initially responsible for printing the publications in house, *e.g. Materiały Wybuchowe I Pirotechniczne* (Explosive and Pyrotechnic Materials) and *Organika* (Organic Chemistry) from 1994, using a Romayor duplicating machine. Over the last 70 years, many people, including the IPO employees presented in this publication, have been involved in the publishing process. For over 20 years, typesetting and publishing supervision has been carried out by PAB-Font s.c. in Warsaw, from 1995 for *Organika* (Organic Chemistry) and currently for the *Central European Journal of Energetic Materials* and *Materiały Wysokoenergetyczne* (High Energy Materials) journals.

This study aims to expand on the concept presented by the authors of the monograph [2] to pass on the historical knowledge of the Institute's publishing output, particularly in the field of explosives. For comparison, two modern journals published by the Institute are presented – the *Central European Journal of Energetic Materials* and *Materiały Wysokoenergetyczne* and information included in [2] regarding the monographs authored or edited by IPO employees and edited by the Institute's editorial staff.

Explosives and chemical safety are just two of the areas of publishing activities of the IPO; other publications are related to biologically active agents, historically covered by the *Prace Instytutu Przemysłu Organicznego* (Research at the Institute of Industrial Organic Chemistry) journal (see Section 3) and currently covered by the *Pestycydy* (Pesticides) journal [3].

2. Biuletyn

The copy shown in Figure 2 is 60 years old! For the purposes of this study, *Biuletyn* (Bulletin) is considered a journal; it is for internal use only, but has all the features of a typical journal. As *Biuletyn* was published by the Institute of Applied Chemistry, which became part of the IPO, the publishing structure of the Institute of Applied Chemistry (located in Warsaw, 8 Rydygiera Street) was very similar to that of the IPO:

a) Zygmunt Gwiazda and Franciszek Ziółkowski are members of both the *Biuletyn* editorial board and the

team publishing *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* (see Table 1 – item 2 and 7, Table 3 – item 2 and 9 and Table 4 – item 2 and 6, respectively),

b) until 1963, those issues of *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* listed in Table 3 were printed at 8 Rydygiera street (**IPO** Publishing Section of the Scientific and Technical Information and Documentation Department), and from 1964, the publication has been printed in the IPO headquarters at 6 Annopol Street (initially by the IPO Scientific and Technical Information and Documentation Department, and from 1968, by the **IPO** Publishing Studio of the Scientific and Technical Information and Documentation Department).

c) in 1962 the declassified IPO journals (Table 7), were printed at 8 Rydygiera Street (at the **IPO** Publishing Section of the Scientific and Technical Information and Documentation Department) [4], and from 1969, the journal [5] has been printed at 6 Annopol Street (**IPO** Publishing Studio of the Scientific and Technical Information and Documentation Department).

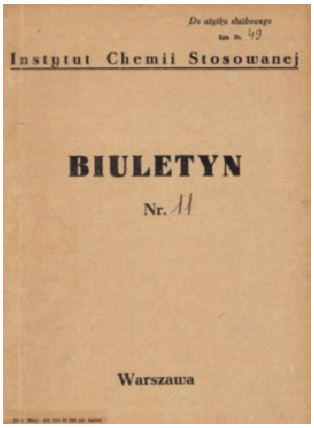


Figure 2. A title page of 1957 issue of *Biuletyn* publication

The issue [6] shown in Figure 2 includes articles on explosives, among them:
– TNT and hexogen sensitivity to impact (A. Sikorska), and
– industrial applications of waste acids from nitroglycerine synthesis (B. Krzyżyński).

It is worth noting that, even though the issue consists of three articles, it totals 49 pages of A4, *i.e.* an average of 16 pages per article *i.e.* relatively long articles. Table 1 includes a list of members of the Editorial Board of *Biuletyn* (Biuletyn).

Table 1. Members of the Editorial Board of *Biuletyn* between 1956-1958

Item	Members of the Editorial Board	1956, issue	1957, issue	1958, issue
1	Biernacki Zbigniew (BEng)	10	11, 12/13	14/15, –
2	Gwiazda Zygmunt (BEng, MSc)	–	–	–, 16/17
3	Kozłowski Tadeusz (BEng, MSc)	–	–, 12/13	14/15, –
4	Ostrowski Tadeusz (BEng)	10	11, 12/13	14/15, –
5	Partyka Kazimierz (BEng, MSc)	–	–	–, 16/17
6	Rotnicki Julian (BEng)	10	11, 12/13	–
7	Ziółkowski Franciszek (BEng)	10	11, 12/13	14/15, 16/17
	Circulation [copies] [a)]	≥ 50	≥ 49, ≥ 78	–, ≥ 35
	No. of articles	3	3, 5	7, 1
	No. of pages	60	52, 59	130, 88

a) No information on the circulation available, issue number available at the IPO are provided

3. Prace Instytutu Przemysłu Organicznego

Currently available annuals of *Prace Instytutu Przemysłu Organicznego* (Research at the Institute of Industrial Organic Chemistry) journal are from 1969-1974, issues 1 to 6. The topics included:
– dyes,
– pesticides,
– intermediate products used in the chemical industry,
200 copies (of 200 pages) of each annual were printed (Table 2). A special 20th anniversary issue in 1969 was prepared by the Wydawnictwo Naukowo-Techniczne in Warsaw and printed by Szczecińskie Zakłady Poligraficzne. The other issues were edited and printed by IPO. The Editorial Board in 1969 did not include a Board head. The following abbreviations are used in Table 2:
– CKR – Member of the Editorial Board,
– PKR – Head of the Editorial Board,
– PO – Cover Designer,
– SR – Secretary.
Prof. Witold Gumułka, Managing Director of the IPO between 1958-1975 [2], was the Head of the Editorial Board (the only Managing Director of the IPO to act as Head). The layout of the title page included standard white lettering and variable background colours (Fig. 3).

Table 2. The Editorial Board of *Prace Instytutu Przemysłu Organicznego* annual volume

Item	Members of the Editorial Board	Year					
		1969	**1970**	**1971**	**1972**	**1973**	**1974**
1	Byrdy Stanisław (PhD, Assoc. Prof.)/(Prof.)	CKR	CKR	CKR	CKR	CKR	CKR
2	Dobrowolska Halina (MSc)	SR	SR	SR	SR	SR	SR
3	Fulde Stefan (PhD)/(PhD, Assoc. Prof.)	CKR	CKR	CKR	CKR	CKR	CKR
4	**Gumułka Witold (prof.)**	–	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**
5	Kacprzak Franciszek (BEng, MSc)	CKR	–	–	–	–	–
6	Kowalski Mieczysław (BEng, MSc)	CKR	CKR	CKR	CKR	CKR	–
7	Lach Adam (BEng)	CKR	–	–	–	–	–
8	Lisiecki Władysław (MSc)	CKR	CKR	CKR	–	–	–
9	Mrowiński Bogumił (MSc)	CKR	CKR	CKR	–	–	–
10	Salmonowicz Krzysztof (BEng, MSc)	CKR	CKR	CKR	–	–	–
11	Stefaniak Artur (MSc)	CKR	CKR	CKR	CKR	CKR	CKR
12	Ostrzeszewicz Tadeusz[a)]	PO	PO	–	–	–	–
	Circulation [copies]	1249	550	280	245	250	220
	No. of articles	63	25	27	24	23	22
	No. of pages	442	344	288	367	300	228

a) no degree provided on the editorial staff website

a) b)

Figure 3. The title pages of *Prace Instytutu Przemysłu Organicznego* journal from: (a) 1970; (b) 1974

None of the issues include articles directly covering the properties of explosives or chemical safety, and only individual articles can be considered as indirectly related to the topics covered. The first issue included an article [7] on rocket propellants containing ammonium perchlorate, nitroalkyl acrylates and metacrylates as combustible components. Looking back, article [8] can be considered as dealing with explosives, *i.e.* determination of isocyanates and isocyanate groups in polyurethanes, which are currently used (HTPB) as a component of binder in composite rocket propellants and plastic explosives. Article [9] is directly related to analytical procedures for identifying products and contaminants in the production of TNT.

We could not determine if the annual *Prace Instytutu Przemysłu Organicznego* was published outside of the 1969-1974 period. However, a study [10] declassified pursuant to the Regulations on the protection of classified information (Dz.U. 11 item 95 of 1999), listed in Section 7, shows that after 1974 the title was continued, although:

– the topics covered were limited to explosives only,
– the title page layout changed, and
– the publication status was changed to non-classified.

Halina Dobrowolska, MSc, was a member of both Editorial Boards (Table 2 – item 2 and Table 7 – item 1).

4. Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne

The first IPO publication dedicated entirely to explosives was *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* (Explosives and Pyrotechnics Newsletter) (no ISSN issued), published between 1958 and 1975. Over 20 years, the layout of the title page has changed significantly. The frequency of publication has also changed (Table 3 and Table 4). In the 1950s, it was bimonthly, and since 1964, quarterly.

The editorial staff initially included 9 employees which in the 1970s was reduced to 6 employees. Significant personnel changes took place between 1962 and 1963 (Table 3). Between 1958 and 1972 (see Section 2), Franciszek Ziółkowski was the keystone of the editorial staff (Table 3 – item 9 and Table 4 – item 6).

In those years, publishing ran at 100 copies with the number of articles in each issue only exceeding 10 in 1975 (Table 4). Similar to *Biuletyn* (see Section 2), despite a small number of articles, the average number of pages was 100, the articles were long and often included monographs, see the 1964 issue dedicated entirely to nitroglycerine [11]. Non-original publications were also included, *e.g.* the 1958 (16/17) and 1961 (28) issues were translations of foreign literature (Table 3).

From 1970, changes in the title page affected the title; the term “MATERIAŁY WYBUCHOWE” (Explosives) was used in the title and the header of even pages. The only change was the layout:

– the reverse of the title page included: *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* (Explosives and Pyrotechnics Newsletter),
– there was no interruption between the published forms and above all,
– the editorial staff from 1968/1969 (Table 3) did not change significantly until 1975 (Table 4).

Table 3. The Editorial Board of *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* journal between 1958-1969

Item	Members of the Editorial Board	Editor (years)	Year, issue											
			1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
1	Dobrowolska Halina (MSc)	1968-1973	–	–	–	–	–	–	–	–	–	–	1(48), 2(49), 3(50)	1(52) 2(53)
2	Gwiazda Zygmunt (BEng, MSc)	–	16/17	9, 18, 19, 20, 21, 22	24	27, 28, 29	31, 32	33	35, 36, 37	39/40/41	42/43	44, 45, 46, 47	1(48), 2(49), 3(50)	1(52) 2(53)
3	Heger Ludomir (BEng, MSc)	–	–	9, 18, 19, 20, 21, 22	24	27, 28, 29	31, 32	–	–	–	–	–	–	–
4	Kalinkiewicz Henryk (MSc)	1964-1967	–	–	–	–	–	–	35, 36, 37	39/40/41	42/43	44, 45, 46, 47	–	–
5	Partyka Kazimierz (BEng, MSc)	–	16/17	–	–	–	–	–	–	–	–	–	–	–
6	Parulska Maria (BEng, PhD)[a)]	–	–	–	–	–	–	–	–	–	–	–	1(48), 2(49), 3(50)	1(52) 2(53)
7	Salmonowicz Krzysztof (BEng, MSc)	–	–	–	–	–	–	33	35, 36, 37	39/40/41	42/43	44, 45, 46, 47	1(48), 2(49), 3(50)	1(52) 2(53)
8	Zdrojek Tadeusz (MSc)	–	–	–	–	–	–	–	–	–	–	–	1(48), 2(49), 3(50)	1(52) 2(53)
9	Ziółkowski Franciszek (BEng, MSc)	–	16/17	9, 18, 19, 20, 21, 22	24	27, 28, 29	31, 32	33	35, 36, 37	39/40/41	42/43	44, 45, 46, 47	1(48), 2(49), 3(50)	1(52) 2(53)
		Circulation [copies]	–	–	120	–	140, 120	–	130, 120, 110	120	105	105, 105, –, –	115, 135, 135	130, 130
		No. of articles	1[b)]	4, 4, 4, 6, 4	2	4, 7[c)], 5	8, 9	6	5, 1[d)], 6	5	2	3, 6, 6, 2	6, 8, 5	5, 4
		No. of pages	88	48, 48, 53, 59, 65	47	50, 112, 64	86, 107	88	70, 74, 97	63	40	70, 70, 109, 44[e)]	35, 66, 37	69, 27 + 12

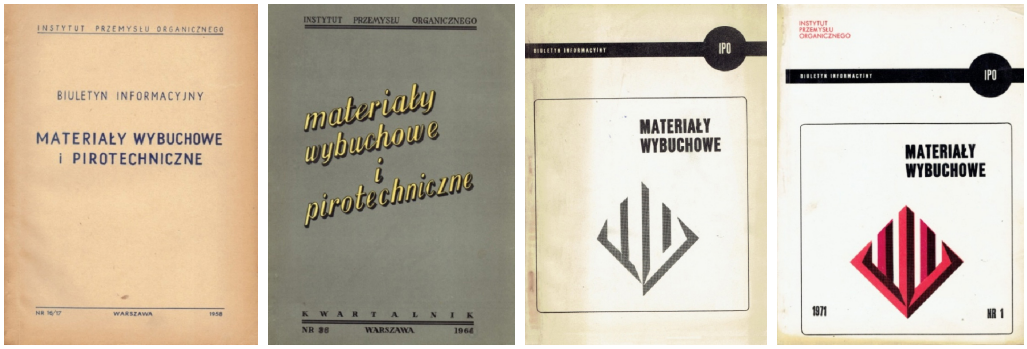
a) Name "Maria" may be a printing error or an informal name; the correct name is Marianna Parulska (also Parulska-Szmajda); b) see [12]; c) translation of "Plastics and Elastomers in Rockets" chapters Ind. Eng. Chem., vol. 52, issue 9, Sept. 60, p. 754; d) see [11]; e) starts at p. 59, ends at p. 95

Table 4. The Editorial Board of *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* journal between 1970-1975

Item	Members of the Editorial Board	Editor (years)	Year, issue					
			1970	1971	1972	1973	1974	1975
1	Dobrowolska Halina (MSc)	1969-1973	1(54) 2(55) 3(56)[a)] 4(57)	1(58)	1(62) 2(59)[c)] 3(64) 4(65)	1-2(66/67) 3(68)	–	1(72)
2	Gwiazda Zygmunt (BEng, MSc)	–	1(54) 2(55) 3(56)[a)]4(57)	1(58)	2(59)[c)] 3(64) 4(65)	1-2(66/67) 3(68)	2(71)	1(72)
3	Parulska Marianna (BEng, PhD)	–	1(54) 2(55) 3(56)[a)]4(57)	1(58)	1(62) 2(59)[c)] 3(64) 4(65)	1-2(66/67) 3(68)	2(71)	1(72)
4	Salmonowicz Krzysztof (BEng, MSc)	–	1(54) 2(55) 3(56)[a)]4(57)	1(58)	2(59)[c)]3(64) 4(65)	1-2(66/67)	–	–
5	Zdrojek Tadeusz (MSc)	–	1(54) 2(55) 3(56)[a)]4(57)	1(58)	1(62) 2(59) [c)]3(64) 4(65)	1-2(66/67) 3(68)	2(71)	1(72)
6	Ziółkowski Franciszek (BEng, MSc)	–	1(54) 2(55) 3(56)[a)]4(57)	1(58)	2(59)[c)]	–	–	–
		Circulation [copies]	125, 125, 133, 125	135	95, 90, 125, 95	95. 85	80	115
		No. of articles	2[b)], 2, 5, 4	4	4, 4, 3, 3	2, 3	3	11
		No. of pages	60, 13, 65, 62	77	39, 38, 33, 37	115, 38	40	73

a) the copy has an incorrect number "55"; b) also: 1) Special article "Kobieta w instytucie – równy partner czy pomocnik?" (A Woman at the Institute – Equal Partner or Assistant?) 2) "Kronika Instytutu" (Institute Chronicles); c) possible printing error – should read 2(63)

Figures 4(a) and 4(b) show examples of standard templates of the title page in A4 format and Figures 4(c) and 4(d) show templates of the title page in B5 format. Figure 4(c) shows the only remaining issue with a black and white cover (issue 4, 1970) printed this way due to technical issues. Black and white covers were sometimes used for copies of individual articles, *e.g.* [13] originally published in [14] (Fig. 4(d)). Usually, the covers of individual articles for a specific issue were in colour (Fig. 4(d)). The grayscale in Figures 4(c) and 4(d) is due to the ambient conditions affecting the white background.

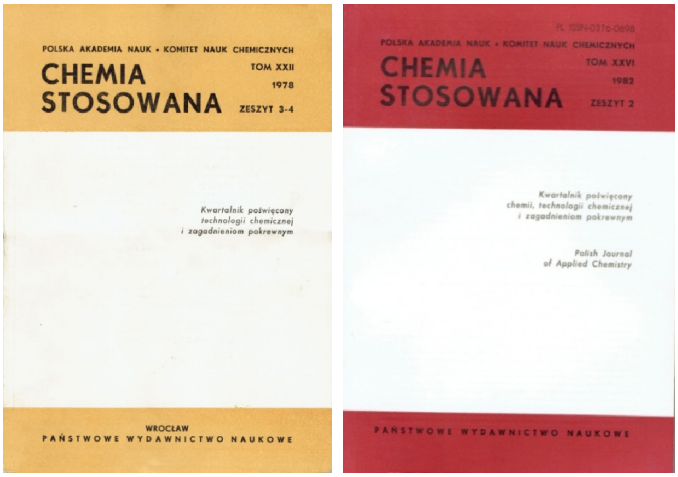


a) b) c) d)

Figure 4. The title pages of *Biuletyn Informacyjny „Materiały Wybuchowe i Pirotechniczne"* newsletter from: (a) 1958; (b) 1964; (c) 1970; (d) 1971

5. Chemia Stosowana

Chemia Stosowana (Applied Chemistry) quarterly (PL ISSN 0376-0898) was published 1957-1990. Later, this was changed to the *Polish Journal of Applied Chemistry* (PL ISSN 0867-8928) published by the Polish Academy of Sciences – Committee of Chemistry. The title pages of both journals, *Chemia Stosowana* and *Polish Journal of Applied Chemistry*, have a similar layout. It is based on uniform lettering, with background colour changes with each issue at the top and at the bottom of the page. The central part of the background is always white (Fig. 5).



a) b)

Figure 5. The title page of *Chemia Stosowana* quarterly from: (a) 1978 (Wrocław); (b) 1982 (IPO)

Despite the *Chemia Stosowana* quarterly being issued by the Chemical Science Board of the Polish Academy of Sciences in Wrocław, its inclusion in the review is justified as follows:

a) prof. Tadeusz Urbański was the Editor-in-Chief (member of the IPO Scientific Council between 1958 and 1963 [2]); his four-volume monograph on technology of explosives published in 1983 and 1984 is a renowned publication on explosives.;
b) The editorial office of the publication, from 1979 to 1983, was located at IPO. The editorial staff included:
   – Deputy Editor-in-Chief: Edward J. Grzywa (IPO Director between 1975 and 1978 [2]),
   – Secretary: Joanna Żołędziowska, member of the editorial staff of the *Organika* (Organic Chemistry) journal (Table 5 – item 22 and Table 6 – item 23).

Table 5 includes a list of members of the Editorial Board with the following abbreviations used:

– CKR – Member of the Editorial Board,
– CKR – Member of the Editorial Board and Topic Editor,
– RN/Z – Deputy Editor-in-Chief,
– RN – Editor-in-chief,
– SR – Secretary.

Table 5. The Editorial Boards of *Chemia Stosowana* quarterly – Wrocław (1978) and IPO (since 1979)

Item	Members of the Editorial Board	Year					
		1978[c)]	**1979**	**1980[d)]**	**1981**	**1982**	**1983**
1	**Bobrownicki Włodzimierz[a)]**	**RN**	–	–	–	–	–
2	Gajewski Franciszek	CKR	–	–	–	–	–
3	**Grzywa J. Edward[a)]**	–	**RN/Z**	**RN/Z**	**RN/Z**	**RN/Z**	**RN/Z**
4	Haber Jerzy[a)]	–	CKR	CKR	CKR	CKR	CKR
5	Jasieńko Stefan	CKR	–	–	–	–	–
6	Jedliński Zbigniew[a)]	–	–	–	–	CKR	CKR
7	Kawecki Wiesław[a)]	–		–	CKR	CKR	CKR
8	Kuczyński Leonard	CKR/T	–	–	–	–	–
9	Malinowski Andrzej[a)]	–		–	CKR	CKR	CKR
10	Malinowski Stanisław[a)]	–	CKR	CKR			
11	Milczanowski Stanisław[a)]	–	CKR	CKR	CKR	CKR	CKR
12	Niewiadomski Henryk	CKR	–	–	–	–	–
13	Pawlikowski Stefan	CKR	–	–	–	–	–
14	Pishinger Ernest	CKR	–	–	–	–	–
15	Schroeder Jerzy	CKR/T, **RN/Z**	–	–	–	–	–
16	Szymański Andrzej[a)]	–	CKR	CKR	CKR	CKR	CKR
17	Taniewski Marian	CKR	–	–	–	–	–
18	**Urbański Tadeusz[a)]**	–	**RN**	**RN**	**RN**	**RN**	**RN**
19	Weychert Stefan[a)]	CKR	CKR	CKR	CKR[f)]	–	–
20	Zieliński Henryk[a)]	–	CKR	CKR	CKR	CKR	CKR
21	Ziółkowski Józef[a)]	–	CKR	CKR	CKR	CKR	CKR
22	Żołędziowska Joanna[a)]	–	–	SR [e)]	SR	SR	SR
	Circulation [copies]	880	870	860	830, 840	700	690, 680,
	Number of articles (issue)	12	11,	14, 13, 25	12 ÷ 15	12	13
	No. of pages (annually)[b)]	512	512	512	474	427	–

a) no degree provided on the editorial staff website; b) page numbering continued in all issues included in an annual volume; c) issue no. 3-4 available at the IPO; d) issue no. 2-4 available at the IPO; e) provided in issue no. 4 only; f) in 1981 issue, provided in issue no. 3 only

In the 1978-1983 issues of *Chemia Stosowana*, several research studies on explosives were published [15, 16]. The publications on chemical safety included a few studies, *e.g.* on the autocatalytic decomposition of ammonium nitrate [17], analysis of explosive properties of dusts [18] or sensitivity of raw materials for domestic detergents [19]. Studies on nitration of organic compounds [20, 21] and new drugs containing a nitro group [22], were also published.

6. *ORGANIKA – Prace Instytutu Przemysłu Organicznego*

The name of the annual is cited differently in various sources. It is sometimes referred to as *Organika* or *Prace Instytutu Przemysłu Organicznego – ORGANIKA*, although the formal title is *ORGANIKA – Prace Instytutu Przemysłu Organicznego* (Organic Chemistry – Research at the Institute of Industrial Organic Chemistry) (ISSN 0137-9933).

The initial graphical layout (Fig. 6(a)) was changed in 1993 (Fig. 6(b)) and modified in 1997 by adding the IPO logo and changing the background colour (Figs. 6(c) and 6(d)). The *Organika* (Organic Chemistry) journal had only a couple of special issues. Between 1991 and 1992, three monographs by L. Konopski, A. Klimach and K. Chruścielska were published, not related to the topic of the review. Issues related to explosives were published:

– for the 50th anniversary of IPO (Fig. 6(e)), and
– to publish a monograph related to the postdoctoral degree conferral procedings of B. Zygmunt (Fig. 6(f)).

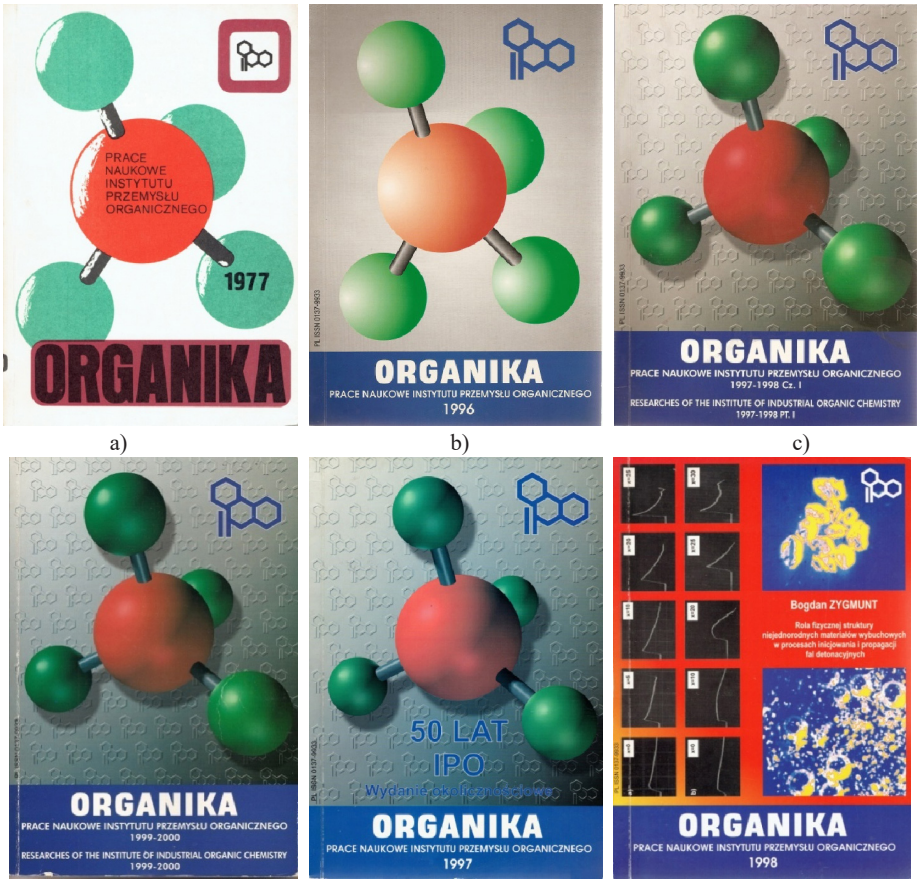


Figure 6. The title pages of *ORGANIKA – Prace Instytutu Przemysłu Organicznego* journal

1976, 1977, 1979 (except for one article on polyurethanes), and 1981-1982 and 1989-1990 issues, did not include any articles on explosives or chemical safety. Members and corresponding positions in the Editorial Board between 1976 and 1982 are the same as those in Table 6 for 1978. In 1983, the Editorial Board of *Organika* changed significantly. The following abbreviations are used in Tables 6 and 7:

– BCH – chemical safety,
– CKR – Member of the Editorial Board,
– CKR – Member of the Editorial Board and Deputy Head of the Editorial Board,
– EX – explosives,
– PKR – Head of the Editorial Board,
– PO – Cover designer,
– RM – Content Editor,
– RTK – Layout Editor, correction and formatting,

Stefan Fulde (since 1980) and Jan Legocki (1981-2002) were Heads of the Editorial Board.

Table 6. Selected issues of *ORGANIKA – Prace Naukowe Instytutu Przemysłu Organicznego* journal between 1987-1994 on chemical safety (BCH) and explosives (EX)

Item	Members of the Editorial Staff	Position held (years)							
		1978	**1980**	**1983**	**1984-1985**	**1986**	**1987-1988**	**1991-1992**	**1993-1994**
1	Barczyński Dariusz[a)]	–	–	CKR	CKR	CKR	–	–	–
2	Byrdy Stanisław[a)]	CKR	CKR	CKR	CKR	CKR	–	–	–
3	Chruścielska Krystyna (PhD, DSc, Assoc. Prof.)	–	–	–	–	–	CKR	CKR	CKR
4	Dobrowolska Halina[a)]	RTK	RTK	–	–	–	–	–	–
5	**Fulde Stefan[a)]**	**PKR**	**PKR**	–	–	–	–	–	–
6	Ejmocki Zdzisław (BEng, PhD, DSc, Prof. Tit.)	–	–	–	–	–	CKR	CKR	CKR
7	Głowacka Urszula[a)]	–	–	–	–	–	RTK	–	RTK
8	Gwiazda Maria[a)]	–	–	CKR	CKR	CKR	–	–	–
9	Hancyk Bolesław (BEng, MSc)	–	–	CKR	CKR	CKR	CKR	CKR	CKR
10	Kanty-Zuchniewicz Janina (BEng, MSc)	–	–	CKR, RTK	CKR, RTK	CKR, RTK	CKR, RTK	CKR, RTK	CKR, RTK
11	Karaś Wanda[a)]	–	–	–	–	–	–	–	RTK
12	Konopski Leszek (BEng, PhD, DSc, Assoc. Prof.)	–	–	CKR	CKR	CKR	CKR	CKR	CKR
13	Krasiejko Tadeusz[a)]	CKR	CKR	CKR	CKR	CKR	–	–	–
14	Kutkiewicz Wiesław[a)]	CKR	–	–	–	–	–	–	–
15	**Legocki Jan (BEng, PhD, Prof.)**	CKR	CKR	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**
16	Łakota Stanisław (PhD, DSc, Prof. Tit.)	–	–	–	–		CKR	CKR	CKR
17	Makowska Bogumiła[a)]	–	–			RTK	–	–	–
18	**Mosiński Stefan (PhD, Assoc. Prof.)**	CKR	CKR	**CKR/Z**	**CKR/Z**	**CKR/Z**	**CKR/Z**	CKR	CKR
19	Olczyk Wiesław [a)]	CKR	CKR	–	–	–	–	–	–
20	Ostrowski Janusz (Prof., PhD)	CKR	CKR	CKR	CKR	CKR	CKR	CKR	CKR
21	Pruszyńska Jolanta[a)]	–	–	–	–	–	RTK		–
22	Sobótka Wiesław (BEng, PhD, DSc, Prof. Tit.)	–	–	CKR	CKR	CKR	CKR	CKR	CKR
23	Żołędziowska Joanna[a)]	CKR	CKR	–	–	–	–	–	–
24	Wasilewska Irena[a)]	–	–	RTK	RTK	RTK	RTK	–	CKR, RTK
	Number of articles (issue)	31	25	8	7	10	8	17	14
	Total pages	211	210	68	89	83	86	118	111
	Circulation	231	150	120	120	150	130	105	–
	Subject matter	EX	BCH, EX	BCH	BCH	BCH	BCH	BCH, EX	EX
	No. of articles	5	5[b)]	3	2	2	1	2	5

a) no degree provided on the editorial staff website; b) including two on polyurethanes and one on ferrocene synthesis

Table 7. Selected issues of *ORGANIKA – Prace Naukowe Instytutu Przemysłu Organicznego* journal between 1995-2002 on chemical safety (BCH) and explosives (EX)

Item	Members of the Editorial Staff	Position held (years)							
		1995	**1996**	**1997[b)]**	**1997-1998[c)]**	**1997-1998[d)]**	**1998[e)]**	**1999-2000[f)]**	**2001-2002**
1	Chruścielska Krystyna (PhD, DSc, Assoc. Prof.)	CKR	CKR	CKR	CKR	CKR	CKR	–	–
2	Cienicka-Rosłonkiewicz Anna (PhD)	–	–	–	–	–	–	–	CKR
3	Drożdżewska Katarzyna (PhD)	–	–	–	–	–	–	–	CKR
4	Ejmocki Zdzisław (BEng, PhD, DSc, Prof. Tit.)	CKR	CKR	CKR	CKR	CKR	CKR	–	–
5	Florczak Bogdan (BEng, PhD)	–	–	–	–	–	–	CKR	CKR
6	Głowacka Urszula[a)]	–	–	–	–	–	–	–	–
7	Gołębiewski Marek (PhD, DSc, Prof. Tit.)	–	–	–	–	–	–	CKR	CKR
8	Hancyk Bolesław (BEng, MSc)	CKR	CKR	CKR	CKR	CKR	CKR	CKR	CKR
9	Kanty-Zuchniewicz Janina (BEng, MSc)	CKR, RM							
10	Karaś Wanda (MSc)	RTK	CKR, RTK	CKR, RTK	CKR, RTK	CKR, RTK	CKR	CKR, RTK	CKR, RTK
11	Konopski Leszek (BEng, PhD, DSc, Assoc. Prof.)	CKR	CKR	CKR	CKR	CKR	CKR	CKR	–
12	**Legocki Jan (BEng, PhD, Prof.)**	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**	**PKR**
13	Łakota Stanisław (PhD, DSc, Prof. Tit.)	–	–	–	–	–	–	–	–
14	Maliński T. Zbigniew (BEng, PhD)	–	–	–	–	–	–	CKR	CKR
15	**Mosiński Stefan (BEng, PhD, Assoc. Prof.)**	–	–	**CKR/Z**	–	–	CKR	–	–
16	Ostrowski Janusz (Prof., PhD)	CKR	CKR	CKR	CKR	CKR	CKR	–	–
17	Sobótka Wiesław (BEng, PhD, DSc, Prof. Tit.)	CKR	CKR	CKR	CKR	CKR	CKR	–	–
18	Wasilewska Irena (MSc)	RM	–	RTK			–	–	–
19	Wilkowska Ewa (PhD)	–	–	–	–	–	–	CKR	–
20	Zakrzewski Jerzy (BEng, PhD)	–	–	–	–	–	–	CKR	CKR
21	Zygmunt Agnieszka[a)]	–	–	–	–	–	PO	–	–
	Total pages	9	9	14	8	9	6 chapter	23	7
	Total pages	91	107	137	72	108	91	216	89
	Circulation	–	–	–	–	–	–	–	–
	Subject matter	BCH	EX	BCH, EX	EX	BCH	EX	BCH, EX	BCH, EX
	No. of articles	2	2	4	8	2	6 chapter	8	5

a) no degree provided on the editorial staff website; b) 50 years anniversary of the IPO. Anniversary issue. (Fig. 6(e)); c) part I (Fig. 6(c)); d) part II; e) special issue [23], (Fig. 6(f)); f) cover – see Fig. 6(d)

7. Declassified publications

An anniversary issue of *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* (Explosives and Pyrotechnics Newsletter) [5] is of interest, since the scope of topics covered in 1969 by the IPO indicates the huge scientific potential of the 'S' Department. We should also remember the authors of the published articles [5], since, as mentioned in the foreword, the people shown in Figure 1 for many decades were the keystone of the research and scientific base of rocket propellant technology in Poland, as shown by the biographical notes about Ludomir Heger, Marianna Parulska (Parulska-Szmajda), Alina Sikorska and Jerzy Szmajda in [24]. 21 articles were published in [5] *i.e.*:

1) Salmonowicz K. *Badania nad paliwami rakietowymi w Instytucie Przemysłu Organicznego* (Studies on rocket propellants at the Institute of Industrial Organic Chemistry.),
2) Sikorska A. *Badanie opóźnienia zapłonu płynnych samozapalnych paliw rakietowych* (Analysis of ignition delay of liquid, self-igniting rocket propellants.),
3) Ziółkowski F. *Prochy rakietowe* (Rocket propellants.),
4) Szmajda J. *Otrzymywanie dwunitrodwumetylomocznika i próby jego zastosowania do homogenicznych paliw odlewanych* (Obtaining 2-nitrodimethylurea and application testing in homogenous cast solid rocket propellants.),
5) Szmajda J. *Wpływ tlenków metali na charakterystyki balistyki wewnętrznej homogenicznych paliw rakietowych* (The effect of metal oxides on the internal ballistic properties of composite rocket propellants.),
6) Kral H. *Masy ekranujące i sposoby ekranowania homogenicznych paliw rakietowych* (Shielding compounds and homogenous rocket propellant shielding methods.),
7) Hetnarska K., Kotarski A., Krasiejko T., Król Z., Sołtys I. *Niektóre zagadnienia analityczne przy otrzymywaniu inhibitora stosowanego do ładunków prochowych* (Selected analytical issues of obtaining inhibitors used in propellant charges.),
8) Salmonowicz K., Zdanowski J. *Ekonomiczne aspekty wytwarzania prochów kulkowych do amunicji strzeleckiej* (Economical aspects of manufacturing ball-grain powder for small arms ammunition.)
9) Derecki T. *Badanie właściwości balistycznych paliw rakietowych* (Testing the ballistic properties of rocket propellants.),
10) Parulska-Szmajda M. *Dobór własności energetycznych paliwa na drodze obliczeń* (Selection of energy properties of propellants using calculation methods.),
11) Parulska-Szmajda M. *Metody otrzymywania paliw złożonych* (Composite propellant manufacturing methods.),
12) Kowalczyk W. *Technologia otrzymywania nadchloranu amonowego* (Ammonium perchlorate manufacturing technology.),
13) Kowalczyk W., Dominko H. *Sposoby i ocena rozdrobnienia nadchloranu amonowego* (Methods and evaluation of ammonium perchlorate size reduction.),
14) Wajdwicz B. *Zależność szybkości palenia od składu paliwa złożonego* (Relation between the combustion rate and components of composite propellants.),
15) Sikorska A. *Badanie właściwości wybuchowych stałych paliw rakietowych* (Analysis of explosive properties of solid rocket propellants.),
16) Bończyk J. *Nieniszczące badania defektoskopowe paliw rakietowych i silników rakietowych* (Non-destructive defectoscopy tests of rocket propellants and rocket engines.),
17) Dominko H., Mazur M. *Własności reologiczne i mechaniczne paliw. Paliwa złożone* (Rheological and mechanical properties of propellants. Composite propellants.),
18) Krych A. *Dodatki pyłów metali do złożonych paliw rakietowych* (Metal dust-based additives to composite rocket propellants.)
19) Sikorska A., Kucenty H. *Inhibitory złożonych paliw rakietowych* (Inhibitors in composite rocket propellants.),
20) Gałązka S. *Oznaczanie nadchloranu amonowego w paliwie rakietowym* (Determination of ammonium perchlorate in rocket propellant.),
21) Derentowicz H. *Wstępna analiza warunków zapłonu w silnikach rakietowych na paliwo stałe* (Preliminary analysis of the combustion conditions in solid propellant rocket motors.)

The articles clearly show a wide range of research topics covered by IPO at that time. Table 8 shows the literature data for the publication [5]. As mentioned in item 3, issue [10] (Fig. 7) shows the ability to publish other, as yet, classified periodicals by the IPO.

Table 8. The publication declassified pursuant to the Regulations on the protection of classified information (Dz.U. 11 item 95 of 1999):

Item	Members of the Editorial Board	Year		
		1962[b)]	**1969**[b,c)]	**1977**[d)]
1	Dobrowolska Halina[a)]	–	+	+[e)]
2	Gwiazda Zygmunt (BEng, MSc)	+	–	–
3	Heger Ludomir (BEng, MSc)	+	–	–
4	Krasiejko Tadeusz[a)]	–	–	+
5	Parulska Marianna (BEng, PhD)	–	+	+
6	Salmonowicz Krzysztof (BEng, MSc)	–	+	–
7	Serafinowicz Stanisław[a)]	–	–	+[f)]
8	Zdrojek Tadeusz (MSc)	–	+	–
9	Ziółko Mieczysław[a)]	–	–	+
10	Ziółkowski Franciszek (BEng, MSc)	+	+	–
	Circulation	71	50	20
	No. of articles	5	22	5
	No. of pages	107	307	40
	Source	[4]	[5]	[10]

a) no degree provided on the editorial staff website; b) Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne newsletter; c) not numbered; d) Prace Instytutu Przemysłu Organicznego (see Fig. 7); e) Editor-in-Chief; f) Head of the Editorial Board

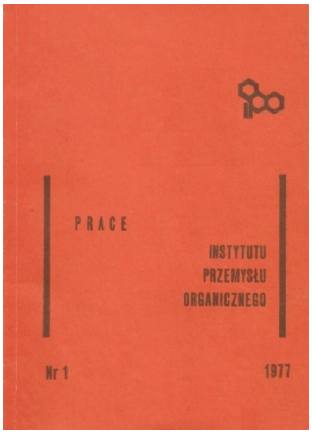


Figure 7. The title page of a declassified issue [10] of *Prace Instytutu Przemysłu Organicznego* journal

8. Materiały Wysokoenergetyczne (High Energy Materials) journal

Materiały Wysokoenergetyczne (*High Energy Material*) journal (ISSN 2083-0165) has been published by IPO since 2009. All articles are available on the journal's website [25]. A uniform title page layout has been used from the very beginning (Fig. 8).

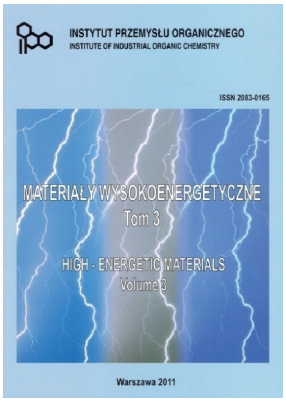


Figure 8. The title page of 2011 issue of *Materiały Wysokoenergetyczne* (*High Energy Materials*) journal

The basic source of articles are materials from the annual IPOEX Scientific Conference organized by IPO [26]. The following members of the Scientific and Editorial Boards of journals published by IPO, including research studies on explosives and chemical safety, *i.e.* apart from *Materiały Wysokoenergetyczne* and *Central European Journal of Energetic Materials* (see Section 9) have been participating in IPOEX conference:

- Andrzej Maranda, BEng, PhD, DSc, Prof. Tit. (Editor-in-Chief of the *Materiały Wysokoenergetyczne* journal and the *Central European Journal of* Energetic *Materials*),
- Anthony Kosecki (Language editor of *Materiały Wysokoenergetyczne*);
- Waldemar A. Trzciński, BEng, PhD, DSc, Prof. Tit. (Member of the Scientific Board and Topic Editor of *Materiały Wysokoenergetyczne*),
- Andrzej Wojewódka, BEng, PhD, DSc, prof. PŚl (Member of the Scientific Board of *Materiały Wysokoenergetyczne*),
- Stanisław Cudziło, BEng, PhD, DSc, Prof. Tit. (Member of the Scientific Board of *Materiały Wysokoenergetyczne* and the *Central European Journal of* Energetic *Materials*),
- Zbigniew Leciejewski, BEng, PhD, DSc, prof. WAT (Member of the Scientific Board of *Materiały Wysokoenergetyczne* and the *Central European Journal of* Energetic *Materials*),
- Leszek Wachowski, BEng, PhD, DSc, Prof. Tit. (Member of the Scientific Board and Topic Editor of *Materiały Wysokoenergetyczne* and Member of the Scientific Board of the *Central European Journal of Energetic Materials*),

Materiały Wysokoenergetyczne editorial staff develop the IPOEX conference programme based in part on the conference materials.

Table 9 and Table 10 include information on the period and position held by the members of the editorial staff and the members of the Scientific Board, respectively. The following abbreviations are used in Tables 9 and 10:

- CR – Member of the Scientific Board,
- PO – Cover designer,
- RJ – Language editor,
- RM – Content Editor,
- RN – Editor-in-chief,
- RP – Managing editor,
- RT – Topic editor,
- RTK – Layout Editor, correction and formatting,
- SR – Secretary.

International cooperation in *Materiały Wysokoenergetyczne* with the participation of:

- Topic Editor, Svatopluk Zeman, PhD, DSc, Prof. Tit. (Pardubice University, Czech Republic), since 2011, also a Deputy Head of the Editorial Board of the *Central European Journal of Energetic Materials*,
- Language Editor, Anthony P. Kosecki (DSTL, Great Britain), since 2016,
- foreign Members of the Scientific Board: Ján Lokaj (Bratislava, Slovakia) and Muhamed Sućeska (BEng, PhD) (Zagreb, Croatia).

Table 9. Editorial staff – *Materiały Wysokoenergetyczne* (High Energy Materials) journal

Item	Members of the Editorial Staff	Functions							
		2009	2010	2011[b)]	2012	2013	2014	2015	2016
1	Kosecki P. Anthony	–	–	–	–	–	–	–	RJ
2	Lewandowska Agnieszka (MSc)	–	PO, RTK, RM	PO, SR	PO, SR	PO, SR	PO, SR	PO, SR	PO, SR
3	**Maranda Andrzej** (BEng, PhD, DSc, Prof. Tit.)	RM	RM	**RN**	**RN**	**RN**	**RN**	**RN**	**RN**
4	Sałaciński Tomasz (BEng, MSc)/ (BEng, PhD)	RM	RM	RP	RP	RP	RP	RP	RP
5	Trzciński A. Waldemar (BEng, PhD, DSc, Prof. Tit.)	–	–	RT	RT	RT	RT	RT	RT
6	Wachowski Leszek (prof. PhD, DSc)	–	–	RT	RT	RT	RT	RT	RT
7	Waszkiewicz Iwona[a)]	RM	–	–	–	–	–	–	–
8	Zeman Svatopluk (prof. PhD, DSc)	–	–	RT	RT	RT	RT	RT	RT
	No. of articles	18	23	17	9	11	9	15	12
	No. of pages	203	176	151	74	94	77	157	119

a) no degree provided on the editorial staff website; b) ISSN 2083-0165 number issued

Table 10. The Scientific Board of *Materiały Wysokoenergetyczne* (High Energy Materials) journal

Item	Members of the Scientific Board[a)]	Functions	Period
1	Bajdor Krzysztof (BEng, PhD)	CR	2016-
2	Batko Paweł (BEng, MSc, PhD, DSc, Assoc. Prof. AGH)	CR	2011-
3	Buchalik Karol (BEng, PhD)	CR	2011-2015
4	Czajka Bogdan (BEng, MSc, PhD, DSc, Prof. WAT)	CR	2011-
5	Cybulski Krzysztof (BEng, MSc, PhD, DSc, Prof. GIG)	CR	2011-
6	Czajka Bogdan (BEng, MSc, PhD, DSc, Prof. Tit. IMN)	CR	2011-
7	Florczak Bogdan (BEng, PhD)	CR	2011-
8	Gołofit Tomasz (BEng, PhD)	CR	2017-
9	Książczak Andrzej (PhD, DSc, Prof. Tit.)	CR	2011-2017
10	Leciejewski Zbigniew (BEng, MSc, PhD, DSc, Prof. WAT)	CR	2011-
11	Lokaj Ján (BEng, PhD, Prof.)	CR	2011-
12	Maksimowski Paweł (BEng, PhD, DSc)	CR	2017-
13	Maranda Andrzej (BEng, PhD, DSc, Prof. Tit.)	CR	2011-
14	Modrzejewski Szymon (BEng, PhD)	CR	2011-2013
15	Papliński Andrzej (BEng, PhD, DSc)	CR	2011-
16	Skupiński Wincenty (BEng, MSc, PhD, DSc, Prof. Tit.)	CR	2011-
17	Sobala Jacek (BEng, PhD)	CR	2011-
18	Sućeska Muhamed (BEng, PhD)	CR	2011-
19	Trębiński Radosław (BEng, MSc, PhD, DSc, Prof. Tit.)	CR	2011-
20	Trzciński A. Waldemar (BEng, PhD, DSc, Prof. Tit.)	CR, RT	2011-
21	Wachowski Leszek (Prof. PhD, DSc)	CR, RT	2011-
22	Wiśniewski Adam (BEng, PhD, DSc, Prof. Tit.)	CR	2011-
23	Witkowski Waldemar (BEng, PhD)	CR	2011-
24	Wojewódka Andrzej (BEng, MSc, PhD, DSc, Prof. PŚI)	CR	2011-
25	Wolszakiewicz Tomasz (BEng, PhD)	CR	2015-
26	Zygmunt Bogdan (BEng, PhD, DSc, Prof. Tit.)	CR	2011-
27	Zeman Svatopluk (Prof. PhD, DSc)	CR, RT	2011-

a) Scientific degrees valid for the period of membership in the Scientific Board

9. Central European Journal of Energetic Materials

All abstracts and most articles from the *Central European Journal of Energetic Materials* (ISSN 1733-7178, e-ISSN 2353-1843) are available on the journal's website [27]. An extensive discussion on the origins of the journal, information on the members of the Scientific Board and 160 research studies published until September 2011 are included in [28]. From issue 3/2016, a Digital Object Identifier (DOI) has been introduced. For many years, the journal has been included in the Philadelphia list of journals, with an impact factor (IF) of over 1.0. Section 8 includes a list of members of the Scientific Board of the *Central European Journal of Energetic Materials* who participated in IPOEX conferences. During 13 years of publishing activity, the title page has not changed, see Figure 9 as shown by the cover of the first issue (2004) [29].

Figure 9. The title page of the first issue of *Central European Journal of Energetic Materials*

Initially, the Editorial Board included 28 members with 8 members from Poland [29]. In the middle of 2017 (issue no. 3/2017) the Editorial Board included 27 members, with 8 members from Poland. Table 11 includes a list of members of the editorial staff of *Central European Journal of Energetic Materials*.

Table 11. Members of the Scientific Board and editorial boards of *Central European Journal of Energetic Materials*

Item	Members of the Editorial Staff	Country	Functions	Period
1	Armstrong W. Ronald	USA	CKR	2006-2016
2	Astachov Alexander	RU	CKR	2004-
3	Balog Karol	SK	CKR	2004-2008
4	Bellamy J. Anthony	GB	a) CKR; b) RJ	a) 2004- ; b) 2012-
5	Biń K. Andrzej	PL	CKR	2004-2008
6	Buchar Jaroslav	CZ	CKR	2004-
7	Cudziło Stanisław	PL	CKR	2004-
8	Choinka Bogusława	PL	a) EKT; b) EM	a) 2004-2012; b) 2013-

Item	Members of the Editorial Staff	Country	Functions	Period
9	Florczak Bogdan	PL	CKR	2004-
10	Friedl Zdeněk	CZ	CKR	2004-2012
11	Frolov Sergey	RU	CKR	2004-2009
12	How-Ghee Ang	SG	CKR	2004-2015
13	Ilyushin A. Michael	RU	CKR	2004-
14	Ju Xue-Hai	CN	CKR	2013-2016
15	Karaś Wanda	PL	a) EM; b) EDM c) EKT	a) 2004-2012; b) 2013-2014; c) 2015
16	Klapötke M. Thomas	DE	a) CKR; b) RT	a) 2004- ; b) 2012-
17	Kozak Georgii	RU	CKR	2009-2013
18	Książczak Andrzej	PL	CKR	2004-
19	Latypov Nikolaj	SE	CKR	2004-
20	Leciejewski Zbigniew	PL	CKR	2014-
21	Lefebvre Michel	BE	CKR	2004-
22	Leiber Carl-Otto	DE	CKR	2004-2013
23	Ludvik František	CZ	CKR	2004-2013
24	**Maranda Andrzej**	PL	**PR**	**2004**-
25	Morawa Ryszard	PL	CKR	2004-2005
26	Oxley Jimmie	USA	CKR	2016-
27	Pachmáň Jiří	CZ	CKR	2016-
28	Papliński Andrzej	PL	CKR	2009-
29	Politzer Peter	USA	CKR	2004-
30	Shekhar Himanshu	IN	CKR	2013-
31	Sałaciński Tomasz	PL	EKT	2015-
32	Shu Yuanjie	CN	CKR	2004-
33	Sinditskii P. Valery	RU	CKR	2004-
34	Skupiński Wincenty	PL	CKR	2004-
35	Sućeska Muhamed	HR	a) CKR; b) RT	a) 2004- ; b) 2012-
36	Teipel Ulrich	DE	CKR	2005-2013
37	Trzciński A. Waldemar	PL	a) CKR; b) RT	a) 2012- ; b) 2012-
38	Türker Lemi	TR	CKR	2013-
39	Volk Fred	DE	CKR	2004-2005
40	Wachowski Leszek	PL	CKR	2009-
41	Waesche H. R. Woodward	USA	CKR	2004-2013
42	Walley Stephen	GB	a) CKR; b) RJ	a) 2016- ; b) 2016-
43	Witkowski Waldemar	PL	CKR	2004-2013
44	Wolański Piotr	PL	CKR	2013-2015
45	Zalewski P. Robert	PL	CKR	2015-
46	**Zeman Svatopluk**	CZ	**PRZ**	**2004**-
47	Zhang Jian-Guo	CN	CKR	2016-

CKR – Member of the Editorial Board; EM – Managing Editor; EDM – Deputy Managing Editor; EKT – Layout Editor, correction and formatting; PR – Head of the Editorial Board; PRZ – Deputy-chairman; RJ – Linguistic Editor; RT – Subject Editor

10. Editorial staff for IPO published monographs

Table 12 shows a lower number of monographs than specified in [2], since publication is limited to those covering explosives or developed and edited in part or entirely by the IPO staff.

Table 12. Monographs on explosives and chemical safety published by the IPO

Published	Editorial staff	Number of			Ref.
		authors	chapters	pages	
2006	**Edited by:** Maranda Andrzej[a)] Sałaciński Tomasz[a)] Waszkiewicz Iwona[a)]	40	17	140	[30]
2013	**Author:** Tomasz Wolszakiewicz[a)] **Cover design:** Lewandowska Agnieszka[a)] Starnawski Zbigniew[a)] **Corrected by:** Choinka Bogusława[a)] Lewandowska Agnieszka[a)]	1	5	148	[31]
2015	**Author:** Tadeusz Piotrowski[a)] **Cover design:** Lewandowska Agnieszka[a)] **Corrected by:** Bogusława Choinka[a)]	1	4	80	[32]
2016	**Edited by:** Florczak Bogdan (BEng, MSc, PhD, DSc, Prof. Tit. IPO) **Cover design:** Lewandowska Agnieszka[a)] **Corrected by:** Bogusława Choinka[a)]	8	8	171	[33]
2017	**Editorial board:** 13 persons[b)] **Cover design:** Lewandowska Agnieszka (MSc)	–	2	135	[2]

a) no degree provided on the editorial staff website; b) Board members: – Andrzej Maranda, BEng, PhD, DSc, Prof. Tit. (Head of the Editorial Board); – Jan Legocki, BEng, PhD, DSc, Prof. Tit.; – Krzysztof Bajdor, BEng, PhD; – Karol Buchalik, PhD; – Urszula Wyrzykowska, BEng, MSc; – Anna Czykwin, BEng, MSc; – Bogdan Florczak, BEng, PhD, DSc, prof. IPO; – Arkadiusz Białek, BEng, PhD; – Bogusława Choinka, MSc; – Agnieszka Lewandowska, MSc; – Przemysław Fochtman, PhD; – Kazimierz Kita, PhD, Assoc. Prof.; – Wojciech Gawęda

11. Summary

Over the last 70 years, the IPO editorial staff has published at least six scientific journals presenting the scientific output of IPO employees on explosives and chemical safety, as individual articles or monographs. Monographs (special issues) and translations of foreign books were published in the IPO journals. Since 1994, IPO has published the journals in house, in its own printing department. The current editorial staff comprises a few members, however in the last 70 years, hundreds of people were involved in IPO's publishing activities. Historically, the number of research studies on chemical safety was significantly smaller than studies on explosives, however, articles on both topics were occasionally published in:

a) publicly available IPO publications covering the research work carried out at the Institute of Industrial Organic Chemistry:
   – *Prace Instytutu Przemysłu Organicznego* (Research Studies at the Institute of Industrial Organic Chemistry),
   – *Chemia Stosowana* (Applied Chemistry) published by the Polish Academy of Sciences, edited by IPO staff,
   – *ORGANIKA – Prace Instytutu Przemysłu Organicznego* (Organic Chemistry – Research Studies at the Institute of Industrial Organic Chemistry) or
b) limited access journals (for internal use only) and/or individual classified issues, declassified pursuant to the Regulations of 1999:
   – *Biuletyn* (Bulletin) published by the Institute of Applied Chemistry,
   – *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne* (Explosives and Pyrotechnics Newsletter),
   – *Prace Instytutu Przemysłu Organicznego* (Research Studies at the Institute of Industrial Organic Chemistry).

Currently, IPO publishes two journals on explosives and chemical safety:
a) *Central European Journal of Energetic Materials*, available globally – since 2004.
b) *Materiały Wysokoenergetyczne* (*High Energy Materials*), available globally – since 2009.

The periodicals issued by IPO differed in:
a) circulation (several to approx. 150 copies),
b) frequency (monthly, annually, individual biannual issues), and the number of pages (from several dozens to 300 pages),
c) number of articles in the issue (usually, the number of articles not strictly related to the discussed topic was below 5, whereas in the dedicated issues, the number of articles was approximately 10).

The graphic layout of the title page has often been modified (applies to all journals). Despite significant changes, the longest running IPO journal on explosives is *Biuletyn Informacyjny Materiały Wybuchowe i Pirotechniczne,* published for 17 years.

The scope of the published studies indicates a wide range of topics covered by IPO, in particular those related to explosives. Studies on solid rocket propellants are the most common. Due to military applications of the results of published studies, distribution of IPO journals has been limited. As a result, just recently, following various anniversary reviews of IPO's output, including this review, IPO's achievements in the study of explosives and chemical safety can finally be more widely publicised.

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