Review / Przegląd
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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 skład osobowy 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 Institute’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. for 20 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)](image)

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

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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).

| 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    | Ziolkowski Franciszek (BEng)   | 10          | 11, 12/13   | 14/15, 16/17|

Circulation [copies]  

| 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    | Kańprzak 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
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) | 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| –    | –    | –    | –    | –    | –    | –    | –    | –    | 1(48), 2(49), 3(50) | 1(52) | 2(53) |
| 6    | Parulska Maria (BEng, PhD)⁴ | –             | –    | –    | –    | –    | –    | –    | –    | –    | –    | –    | 1(48), 2(49), 3(50) | 1(52) | 2(53) |
| 7    | Salmonowicz Krzysztof (BEng, MSc) | –             | 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) |
| 8    | Zdrojek Tadeusz (MSc)         | –             | 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) |
| 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]**

| Item | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1    | –    | –    | 120  | 140  | 120  | 130  | 120  | 105  | 105  | 105  | 115  | 135  | 130  |
| 2    | 4, 7⁵ | 5 | 8, 9 | 6 | 5, 9 | 5 | 2 | 3, 6, 6 | 2 | 6, 8 | 5 | 5, 4 |
| 3    | 48, 48, 53, 59, 65 | 47 | 50, 112, 64 | 86, 107 | 88 | 70, 74, 97 | 63 | 40 | 70, 70, 109, 44⁶ | 35, 66, 37 | 69, 27 | + 12 |

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¹) Name “Maria” may be a printing error or an informal name; the correct name is Marianna Parulska (also Parulska-Szmajda); ²) see [12]; ³) translation of “Plastics and Elastomers in Rockets” chapters Ind. Eng. Chem., vol. 52, issue 9, Sept. 60, p. 754; ⁴) see [11]; ⁵) 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)a 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)a 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)a 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)a 3(64) 4(65) | 1-2(66/67) 3(68) | –    | –    |
| 5    | Zdrojek Tadeusz (MSc)         | –              | 1(54) 2(55) | 3(56)a 4(57) | 1(58) | 1(62) 2(59)a 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)a 3(64) 4(65) | 1-2(66/67) 3(68) | –    | –    |

| Circulation [copies] | 125, 125, 133, 125 | 135 | 95, 90, 125, 95 | 95, 85 | 80 | 115 |
|----------------------|---------------------|-----|-----------------|--------|----|-----|
| No. of articles      | 2, 1, 2, 5, 4       | 4   | 4, 4, 3, 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.

![Figure 4](image-url)
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).

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

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 | 1978<sup>c</sup> | 1979 | 1980<sup>d</sup> | 1981 | 1982 | 1983 |
|------|--------------------------------|-----------------|------|-----------------|------|------|------|
| 1    | Bobrownicki Włodzimierz<sup>a</sup> | RN              |      |                 |      |      |      |
| 2    | Gajewski Franciszek              | CR              |      |                 |      |      |      |
| 3    | Grzywa J. Edward<sup>a</sup>     | –               | RN/Z | RN/Z            | RN/Z | RN/Z | RN/Z |
| 4    | Haber Jerzy<sup>a</sup>          | –               | CR   | CR              | CR   | CR   | CR   |
| 5    | Jasieńko Stefan                  | CR              |      |                 |      |      |      |
| 6    | Jedliński Zbigniew<sup>a</sup>   | –               | –    | –               | CR   | CR   | CR   |
| 7    | Kawecki Wiesław<sup>a</sup>      | –               | –    | –               | CR   | CR   | CR   |
| 8    | Kuczyński Leonard                | CR/T            | –    | –               | –    | –    | –    |
| 9    | Malinowski Andrzej<sup>a</sup>   | –               | –    | –               | CR   | CR   | CR   |
| 10   | Malinowski Stanisław<sup>a</sup>| –               | CR   | CR              | CR   | CR   | CR   |
| 11   | Milczanowski Stanisław<sup>a</sup>| –           | CR   | CR              | CR   | CR   | CR   |
| 12   | Niewiadomski Henryk              | CR              | –    | –               | –    | –    | –    |
| 13   | Pawlikowski Stefan               | CR              | –    | –               | –    | –    | –    |
| 14   | Pishinger Ernest                 | CR              | –    | –               | –    | –    | –    |
| 15   | Schroeder Jerzy                  | CR/T, RN/Z      | –    | –               | –    | –    | –    |
| 16   | Szymaniński Andrzej<sup>a</sup>  | –               | CR   | CR              | CR   | CR   | CR   |
| 17   | Taniewski Marian                 | CR              | –    | –               | –    | –    | –    |
| 18   | Urbaniski Tadeusz<sup>a</sup>    | –               | RN   | RN              | RN   | RN   | RN   |
| 19   | Weychert Stefan<sup>a</sup>      | CR              | CR   | CR              | CR<sup>e</sup> | –    | –    |
| 20   | Ziełiński Henryk<sup>a</sup>     | –               | CR   | CR              | CR   | CR   | CR   |
| 21   | Ziółkowski Józef<sup>a</sup>     | –               | CR   | CR              | CR   | CR   | CR   |
| 22   | Żołędziowska Joanna<sup>a</sup>  | –               | –    | SR              | 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)<sup>b</sup>  
512  
512  
474  
427  
–  

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<sup>a</sup> no degree provided on the editorial staff website;  
<sup>b</sup> page numbering continued in all issues included in an annual volume;  
<sup>c</sup> issue no. 3–4 available at the IPO;  
<sup>d</sup> issue no. 2–4 available at the IPO;  
<sup>e</sup> provided in issue no. 4 only;  
<sup>f</sup> 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 proceedings 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    | Byrđy Stanisław\(^a\)          | CKR  | CKR  | CKR  | CKR        | CKR  | –          | –          | –          |
| 3    | Chruścielska Krystyna (PhD, DSc, Assoc. Prof.) | –    | –    | –    | –          | CKR  | 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    | Głownacka Urszula\(^a\)        | CKR  | –    | CKR  | CKR        | CKR  | –          | –          | –          |
| 8    | Gwiazda Maria\(^a\)           | –    | CKR  | CKR  | CKR        | CKR  | –          | –          | –          |
| 9    | Hancyk Bolesław (BEng, MSc)    | –    | –    | –    | RTK        | –    | RTK        | –          | –          |
| 10   | Kastyń-Zuchniewicz Janina (BEng, MSc) | –    | –    | CKR  | CKR        | CKR  | –          | –          | –          |
| 11   | Karaś Wanda\(^a\)             | –    | –    | –    | –          | –    | –          | –          | –          |
| 12   | Konopka Leszek (BEng, PhD, DSc, Assoc. Prof.) | –    | –    | CKR  | CKR        | CKR  | –          | –          | –          |
| 13   | Krasiejko Tadeusz\(^a\)        | CKR  | CKR  | CKR  | CKR        | CKR  | –          | –          | –          |
| 14   | Kutkiwicz 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        | 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   | Olszzyk 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<sup>b)</sup> | 1997-1998<sup>c)</sup> | 1999-2000<sup>d)</sup> | 2001-2002 |
| 1    | Chruścielska Krystyna (PhD, DSc, Assoc. Prof.) | CKR   | CKR   | CKR   | CKR   | CKR   | –    |
| 2    | Ciecielska-Roslonkiewicz Anna (PhD) | –     | –     | –     | –     | –     | –     |
| 3    | Drożdżewska Katarzyna (PhD) | –     | –     | –     | –     | –     | –     |
| 4    | Ejmicki Zdzisław (BEng, PhD, DSc, Prof. Tit.) | CKR   | CKR   | CKR   | CKR   | CKR   | –     |
| 5    | Floreczak Bogdan (BEng, PhD) | –     | –     | –     | –     | –     | CKR   |
| 6    | Głogowska Urszula<sup>a</sup> | –     | –     | –     | –     | –     | –     |
| 7    | Gołębiowski Marek (PhD, DSc, Prof. Tit.) | –     | –     | –     | –     | –     | CKR   |
| 8    | Hancek Bolesław (BEng, MSc) | CKR   | CKR   | CKR   | CKR   | CKR   | CKR   |
| 9    | Kanty-Zuchniwicz Janina (BEng, MSc) | CKR, RM | –     | –     | –     | –     | –     |
| 10   | Karaś Wanda (MSc) | RTK   | CKR, RTK | CKR, RTK | CKR, RTK | CKR, RTK | CKR, RTK |
| 11   | Konopiski Leszek (BEng, PhD, DSc, Assoc. Prof.) | CKR   | CKR   | CKR   | CKR   | CKR   | –     |
| 12   | Legocki Jan (BEng, PhD, Prof.) | PKR   | PKR   | PKR   | PKR   | PKR   | PKR   |
| 13   | Łakota Stanisław (PhD, DSc, Prof. Tit.) | –     | –     | –     | –     | –     | –     |
| 14   | Mańkiński T. Zbigniew (BEng, PhD) | –     | –     | –     | CKR   | 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   |
| 21   | Zygmunt Agnieszka<sup>a</sup> | –     | –     | –     | –     | PO    | –     |
|      | Total pages | 9     | 9     | 14    | 8     | 9     | 6 chapter |
|      | Total pages | 91    | 107   | 137   | 72    | 108   | 91     |
|      | Circulation | –     | –     | –     | –     | –     | –     |
|      | Subject matter | BCH, EX | BCH, EX | EX | BCH | EX | BCH, EX |
|      | No. of articles | 2     | 2     | 4     | 8     | 2     | 6 chapter |

<sup>a</sup> no degree provided on the editorial staff website; <sup>b</sup>) 50 years anniversary of the IPO. Anniversary issue. (Fig. 6(e)); <sup>c</sup>) part I (Fig. 6(c)); <sup>d</sup>) part II; <sup>e</sup>) special issue [23], (Fig. 6(f)); <sup>f</sup>) 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 balistyczne 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., Soltys 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 kulowych 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. *Spóсобy 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. *Oznaczenie nadchloranu amonowego w paliwie rakietowym* (Determination of ammonium perchlorate in rocket propellant.),

21) Derentowicz H. *Wstępna analiza warunków zapłonu w silnikach rakietowych na paliwo stale* (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 | 1969 | 1977 |
| 1    | Dobrowolska Halina\(^a\)       | –    | +    | +\(^e\) |
| 2    | Gwiazda Zygmunt (BEng, MSc)    | +    | –    | –    |
| 3    | Heger Ludomir (BEng, MSc)      | +    | –    | –    |
| 4    | Krasieko Tadeusz\(^a\)         | –    | –    | +    |
| 5    | Parulskia Marianna (BEng, PhD) | –    | +    | –    |
| 6    | Salmonowicz Krzysztof (BEng, MSc) | –    | +    | –    |
| 7    | Serafinowicz Stanisław\(^a\)   | –    | –    | +\(^b\) |
| 8    | Zdrojek Tadeusz (MSc)          | –    | +    | –    |
| 9    | Ziółko Mieczysław\(^a\)        | –    | –    | +    |
| 10   | Ziółkowski Franciszek (BEng, MSc) | +    | +    | –    |

|          | Circulation | No. of articles | No. of pages |
|----------|-------------|-----------------|--------------|
|          | 71          | 5               | 107          |
|          | 50          | 22              | 307          |
|          | 20          | 5               | 40           |

C: 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 Materials)* 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. PŚI (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 |
|------|--------------------------------|-----------|
| 1    | Kosecki P. Anthony             |            |
| 2    | Lewandowska Agnieszka (MSc)    | PO, RTK, RM |
| 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, RN, RN, RN, RN, RN, RN |
| 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              | –, –, –, –, –, –, –, –, –, – |
| 8    | Zeman Svatopluk (prof. PhD, DSc) | –, –, RT, RT, RT, RT, RT, RT |

| No. of articles | 18 | 23 | 17 | 9 | 11 | 9 | 15 | 9 | 119 |
| 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 | 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    | Florczyk 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   | Zygmun 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](image)

**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*.

| 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   | Klapotke 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   | Pachmáñ Jiři                    | 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   | Sučeska 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   | Wäsche 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 authors | Number of chapters | Number of pages | Ref. |
|-----------|----------------|-------------------|--------------------|-----------------|------|
| 2006      | Edited by: Maranda Andrzej, Sałaciński Tomasz, Waskiwicz Iwona | 40 | 17 | 140 | [30] |
| 2013      | Author: Tomasz Wolszakiewicz, Cover design: Lewandowska Agnieszka, Starnawski Zbigniew | 1 | 5 | 148 | [31] |
| 2015      | Author: Tadeusz Piotrowski, Cover design: Lewandowska Agnieszka | 1 | 4 | 80 | [32] |
| 2016      | Edited by: Florczak Bogdan (BEng, MSc, PhD, DSc, Prof. Tit. IPO), Cover design: Lewandowska Agnieszka | 8 | 8 | 171 | [33] |
| 2017      | Editorial board: 13 persons, 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 Bialek, 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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