



Slovenian NMR Centre @ National Institute of Chemistry, Ljubljana, Slovenia

Research | 2001

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LIST OF PROGRAMS AND PROJECTS FINANCED BY THE MINISTRY OF SCIENCE AND TECHNOLOGY WHICH COLLABORATED WITH NMR CENTER AT NATIONAL INSTITUTE OF CHEMISTRY IN 2001

National Institute of Chemistry

Programs:

1	Folding in dinamika biomolekularnih sistemov P.I.: Franc Avbelj, program no.: P1-0501-0104
2	Molekularno prepoznavanje v bioloskih sistemih P.I.: Jurka Kidric, program no.: P1-0504-0104
3	Oblikovanje polimerov P.I.: Majda Zigon, program no.: P1-0514-0104
4	Sinteza in strukturne raziskave bioloskih makromolekul P.I.: Joze Kobe, program no.: P1-0515-0104
5	Heterogeni katalizatorji P.I.: Venceslav Kaucic, program no.: P1-0516-0104

Projects:

6	Peptidni inhibitorji lipopolisaharida P.I.: Primoz Pristovsek, project no.: L1-3353-0104
7	Optimizacija inhibitorjev giraze P.I.: Primoz Pristovsek, project no.: L4-3058-0104
8	Raziskava strukturnih lastnosti in izomorfne substitucije v molekulskih sitih z jedrsko magnetno resonance P.I.: Gregor Mali, project no.: Z1-3277-0104
9	Sinteza in karakterizacija novih redoks katalizatorjev P.I.: Natasa Novak Tusar, project no.: Z2-3457-0104
10	NMR studij strukture nukleinskih kislin in njihovih interakcij s kovinskimi ioni P.I.: Janez Plavec, project no.: J1-3309-0104
11	Polimeri z nacrtovano makromolekularno strukturo P.I.: Majda Zigon, project no.: J2-1531-0104
12	Lastnosti raztopin poliuretanov in poliuretanskih ionomerov P.I.: Aneta Mirceva, project no.: J1-0598-0104
13	Substituirani polianilini P.I.: Ida Mav, project no.: Z2-3334-0104
14	Določevanje izvora sladkorjev v vinih s kombinacijo SNIF-NMR, IRMS in kemometričnimi metodami

	P.I.: Jurka Kidric in Mitja Kocjancic (Kmetijski institut), project no.: V4-0299 , MZT/MKGP
15	Novi katalizatorji za pripravo kemijskih intermediatov P.I.: Barbara Mohar, project no.: Z1-3374-0104

Institute Jozef Stefan

Program:

16	Svetloba in snov P.I.: Martin Copic, program no.: P1-0528-0106
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Project:

17	Molekularni nanomagneti P.I.: Denis Arcon, program no.: J1-1095-0106
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Faculty of Chemistry and Chemical Technology

Programs:

18	Reaktivni intermedii pri reakcijah oksidacije P.I.: Bozo Plesnicar, program no.: P1-0501-0103
19	Organska kemija P.I.: Slovenko Polanc, program no.: P1-0503-0103
20	Sinteza, struktura in lastnosti snovi in materialov P.I.: Ivan Leban, program no.: P1-0511-0103

Faculty of Pharmacy

Program:

21	Farmacevtska kemija P.I.: Danijel Kikelj, program no.: P1-0502-0787
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Zavod za transfuzijo RS

Project:

22	Prionske bolezni in njihova diagnostika P.I.: Vladka Curin-Serbec, project no.: L3-3435-0311
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Univerzitetni klinicni center Ljubljana

Project:

23	Pokazatelji vnetja in ³¹P NMR spektroskopske spremembe v eritrocitih kritično bolnih otrok P.I.: Metka Derganc, project no.: J3-3482-0312
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International projects

24	Use of NMR Spectroscopy in Combination with Computational Methods on Systems of Biological Interest - EU Center of Excellence Coordinator: Janez Plavec, contract no.: ICA1-CT-2000-70034
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25	Conformational analysis and drug membrane interactions of bioactive compounds (slovensko-grski bilateralni projekt 2001-23) P.I.: Simona Golic Grdadolnik and Thomas Mavromoustakos
26	Synthesis, structure determination and spectroscopic investigation of porous materials project PROTEUS 2002 P.I.: Venceslav Kaucic and Frédéric Thibault - Starzyk
27	Environmentaly Friendly Polyurethane Materials from Precursors of Compact Architecture Coordinator: Karel Dusek, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Praga, Ceska P.I. slovenskega dela projekta: Majda Zigon (INCO-Copernicus project no.: IC15-CT98-0822)
28	COST D8- The chemistry of metals in medicine P.I.: Joze Kobe
29	Poljsko-slovensko sodelovanje z univerzama v Torunu in Pozanu (E. Sylzk in B. Golankiewicz) P.I.: Joze Kobe
30	Slovensko-spanska sodelava P.I.: Roman Jerala in Pedro Mateo, University of Granada, Spanija
31	Projekt FIRCA (NIH): Conformational Consequences of a Membrane Environment P.I.: Dale Mierke, ZDA in na slovenski strani: Simona Golic Grdadolnik in Joze Grdadolnik

Contracts with partners from industry

Krka d.d., Novo mesto

32	Krka d.d., contract no.. II/2-106624/01-02 P.I.: Roman Jerala
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Salonit, Anhovo

33	Pogodba o sodolovanju med Solonitom Anhovo in Laboratorijem za anorgansko kemijo in tehnologijo na Kemijskem institutu P.I.: Venceslav Kaucic
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Rhodia Organique Fine, Francija

34	Transfer hydrogenation of ketones with polymer-supported and non-supported chiral amine-sulfonamide Ru(II) and Rh(III) catalysts P.I.: Barbara Mohar
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PhosPhoenix SARL, Francija

35	Development of industrial processes based on homogenous catalysis P.I.: Barbara Mohar
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